# COMPLETE CATALOGUE 2015 / 2016

Innovative products for the professional user

It's electric.



# Bachmann International. Build on the best connections.

Bachmann makes connections. So power and data are available right where you need them. For industrial, commercial and home applications, in offices and training rooms, on desks and on conference tables. Bachmann Facility and IT systems are flexible enough that you can modify them at any time to suit future power or data management needs. And with Bachmann's up-to-the-minute range of electrical materials, you can be sure of satisfying even your customers' more unusual electrical and electronics requirements.

One of Bachmann's primary objectives is to deliver innovative products to help our customers achieve long-term success. For this reason we exploit all the possibilities offered by professional engineering and modern process management to develop our standardised and customised systems and products.

Consider, for example, energy management optimisation and the efficient use of energy. Day after day our technical specialists help you access new ways of improving energy efficiency with the aid of intelligent new products. Discuss your projects with us if you would like to improve your connections. We will be there from the initial in-depth consultation, supply you with components and modules ready for installation and assist you in planning and developing your specific solutions. And we will use every opportunity to exceed your expectations of us and our systems.

We look forward to making the best connections for you - and with you.

#### Quality at all levels

Do not be satisfied until you have the optimum solution. A philosophy that applies at every level of our company and that is consistently demonstrated by all our employees.

The result: products to match the best on the world's markets, outside and inside.

This is also evident from our certification to DIN EN ISO 9001:2000.



World o	of opportunities 4
••••	IT POWER SOLUTIONS
••••	FACILITY SOLUTIONS
• • • •	INDUSTRIAL SOLUTIONS
••••	INSTALLATION
• • • •	KITCHEN SOLUTIONS

# World of opportunities

# Function modules can be integrated ex factory



#### Anti-theft bracket

This stainless steel look bracket is a permanent fixture and allows a Kensington lock to be attached. Anti-theft protection for mobile hardware such as laptops, desktop PCs, projectors, LCD screens, tablets, etc.



#### Overvoltage protection

These days the failure of electrical and electronic equipment is a real nightmare scenario. Protection against excess electric voltage is more important than ever for electrical and electronic equipment. "24/7 availability" is now essential for many users. Don't worry: the Bachmann strip with built-in overvoltage protection is the answer.



#### Mains and frequency filters

Mains and frequency filters ensure effective screening and smoothing of the input voltage. Only "clean" voltage gets through our mains and frequency filters. Voltage stabilisation and the filtering out of disturbance frequencies allows the connected device to run properly and smoothly.



#### Loudspeaker module

Make direct broadcasts - without making a lot of noise. A Bachmann loudspeaker module used for a presentation, video or phone conference allows you to make direct broadcasts. The overall volume of the indirect broadcast can therefore be reduced significantly. Our modules are available in 8 ohm and also 100 V technology.

#### USB hub 3.0

The USB 3.0 hub is an active component. It has a plug mains adaptor, that supplies the connected USB devices with power.



#### USB 3.0 keystone module

The USB keystone module supports USB 3.0 and allows data to be transferred at high speed. Three different socket/socket combinations are available for different configurations.



#### USB charger

The USB charger component has 2 ports with max. 2.15 A. Integrated in Bachmann products, the ability to charge mobile devices using the universal USB charger is very convenient and the integrated mains adaptor frees up socket outlets too.



#### Residual current circuit breaker / miniature circuit breaker

The residual current circuit breaker / miniature circuit breaker integrated in a Bachmann strip gives you peace of mind. The user can select between the two circuit breakers. But they can of course be combined too.



#### Data switch

Small, compact and can be integrated in Bachmann power strips: the high-speed network data switch provides PoE (Power over Ethernet) for selected devices.







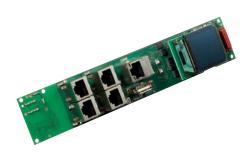
RCM is the abbreviation for Residual Current Monitor.

The use of an RCM allows drops in the level of insulation (creepage / leakage currents) of a power supply to be detected during operation before a high residual current causes protective devices to trip.



#### Automatic switchoff

The automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours. Switching equipment off completely is no longer left to chance: power saving now begins as soon as the workstation PC is shut down. The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since virtually no standby current is drawn by the master device and total power consumption during on-working hours is zero.



#### BlueNet BN3000

BlueNet BN3000 has an optimised shape factor, PDUs that can be cascaded via Modbus and a rotatable OLED display. The data centre's mains supply is monitored and remotely controlled from the comfort of your desk with BlueNet Network products. BlueNet increases data centre availability, minimises down times and cuts costs. BlueNet monitors current, voltage and power. This allows resources to be planned efficiently and alarms to be issued in the event of faults.



#### BlueNet BN2000

BlueNet BN2000 has a space-saving shape factor and state-of-the-art means of monitoring the data centre infrastructure. As well as measuring the current, voltage and power, external sensors can also be used to monitor temperature and air humidity. The values are either queried via an Ethernet interface on every PDU or via the Ethernet interface of the Power Line Concentrator. This is turn queries up to 500 PDUs using Power Line Communication. Savings are made in terms of wiring costs and Ethernet infrastructure.

#### 868 MHz radio modules

The radio modules allow socket outlets to be remotely switched by hand. Great attention is paid to the radio range, radio penetration and switching reliability. The flexibility and convenience of our radio technology can be seen in applications such as controlling circulating pumps (heating), devices behind furniture and in other hard-to-reach locations, room lighting, and appliances with standby mode (e.g. entertainment systems).



#### WiFi module

The new BlueNet WiFi module provides three separate switching and measuring groups for extended power metering and temperature measuring, the switching of individual socket outlets and complete power strips. The management interface is integrated in the web server and is operated via the web browser in the network or with Dynamic DNS via the Internet.

The BlueNet WiFi app is available for mobile end devices. Switching can be performed both manually and automatically using load, temperature or time thresholds which can be set individually.



Bachmann products provide solutions that are as individual as life itself.

# IT POWER SOLUTIONS

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	Basic PDU 19" 1 U	. 18
	Basic PDU 19" > 1 U	. 22
	Basic PDU 19" 2 U	. 24
	Basic PDU Vertical	. 26
	Intelligent PDUs	
	Overview of Bachmann BlueNet	. 32
NEW	BlueNet BN0500  Power metering via local display	. 36
	BlueNet BN1000	20
	Power metering and switching via WLAN / LAN	, 30
	BlueNet BN2000	. 46
	Power metering via local display and network	
	BlueNet BN2000 PLC  Power metering via local display, network and PowerLine	. 50
	Power metering via local display, network and PowerLine	
NEW	BlueNet BN3000 master / slave	. 54
	BlueNet BN3000 RCM	. 58
	BlueNet Switched	. 60
	Switching via network  Plus Not Managed	61
	BlueNet Managed  Power metering and switching via local display and network	. UI

BlueNet BN2000 Inline	62
BlueNet BN2000 Inline PLC	64
BlueNet Power Unit 2 U (modular)	66
BlueNet Power Unit 3 U (modular + integrated fuses)	74 NEW

## Accessories

Fixing materials	. 76
Connecting cable C13 / C14 / C19 / earthing contact plug	. 77
Shift lock	. 78
Data cables	. 79



# World of opportunities

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You can also use the product configurator at bachmann.com

Bachmann products provide solutions that are as individual as life itself.



# Bachmann IT POWER SOLUTIONS

### Systematic power distribution

40 years of experience in developing, manufacturing and distributing power distribution solutions. True to this history, Bachmann is synonymous with high-quality and innovative electronics and high measurement accuracy, packaged in extremely robust aluminium housings.

We provide solutions in IT energy distribution. Our intelligent and modular product range provides great peace of mind. The PDU Basic power distribution unit and Bachmann's BlueNet products meet all key requirements for future-proofed, highly efficient energy distribution, especially for data centres.

Bachmann power distribution provides various solutions for this sector:

- · New and intelligent energy distribution systems
- · Upgrading of existing energy distribution systems
- $\cdot$  Combination of existing PDUs and Bachmann IT POWER SOLUTIONS products.



For more information, please visit www.bachmann.com



# Bachmann - quality that connects

#### Research & development

- · Company's sites in Germany and China
- · Company's labs for running function and safety tests
- · Certification in line with the strictest standards (e.g. DIN EN ISO 9001)
- · Strong development network with external partners

#### Sales

#### SUBSIDIARIES:

- · Bachmann Romania S.R.L., Medias / Romania
- · Bachmann Hong Kong Ltd., Hong Kong/China
- · Bachmann SARL Tremblay / France
- · Bachmann Electrical Engineering Ltd. Milton, Keynes / UK
- · Bachmann S.A., Barcelona / Spain

#### REPRESENTATIONS:

Spain / Portugal / Switzerland / Belgium / Luxembourg / Netherlands / Italy / France / Sweden / Norway / Denmark Finland / United Kingdom / Ireland / Austria / Hungary / Russia / Czech Republic / Poland / Asia / Romania

- · Close partnership with electrical wholesalers
- · Key account managers
- · Customer-specific OEM solutions
- · Individual project solutions

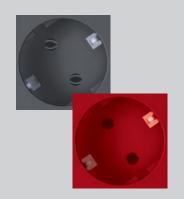
#### Production

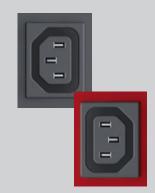
- $\cdot$  Production sites in Germany, Romania and China
- · 100% function testing in production

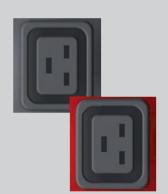




#### Modular PDU inserts









In our IEC320 C13 power strips, the C14 plugs can be reliably locked with a PVC clip.

## Bachmann IT POWER SOLUTIONS

For future-proofed, highly efficient energy distribution in

· the data centre



- · Customised solutions in series quality possible
- · Country-specific designs possible
- · Certified and tested technology
- · Extremely compact design
- · Very high power density



### Integration of devices installed in series



RCD (residual current protection device)



RCD is the abbreviation for Residual Current Protective Device.

If an insulation error causes a dangerous contact voltage, RCDs have the job of interrupting all the poles on operating equipment within 0.2 or 0.4s.

RCM (residual current monitor)



RCM is the abbreviation for Residual Current Monitor.

The use of an RCM allows drops in the level of insulation (creepage / leakage currents) of a power supply to be detected during operation before a high residual current causes protective devices to trip.

- · Customised solutions in series quality possible
- · Integration of up to 2 HP (36 mm) wide devices installed in series
- $\cdot$  Selective, extremely compact fusing in the rack possible
- · Use of RCD systems (residual current circuit breakers) possible
- · Use of RCM systems (residual current monitoring) possible
- · Integration of pulsed current meter possible



# Bachmann IT Power Distribution guarantees a safe connection

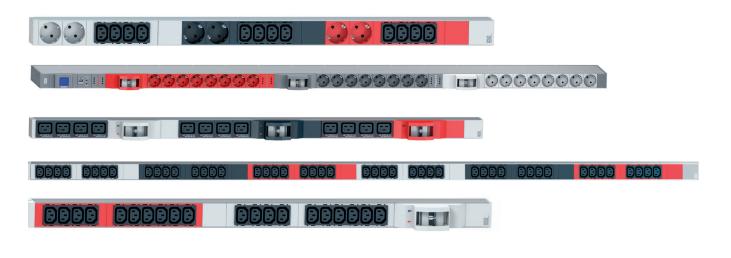


- $\cdot$  Plugs locked using PVC clip or IEC lock.
- $\cdot$  Costs cut through use of server connection cables supplied
- · Maximum availability
- $\cdot$  No unintentional disconnection of the power supply and therefore the best plug contacts

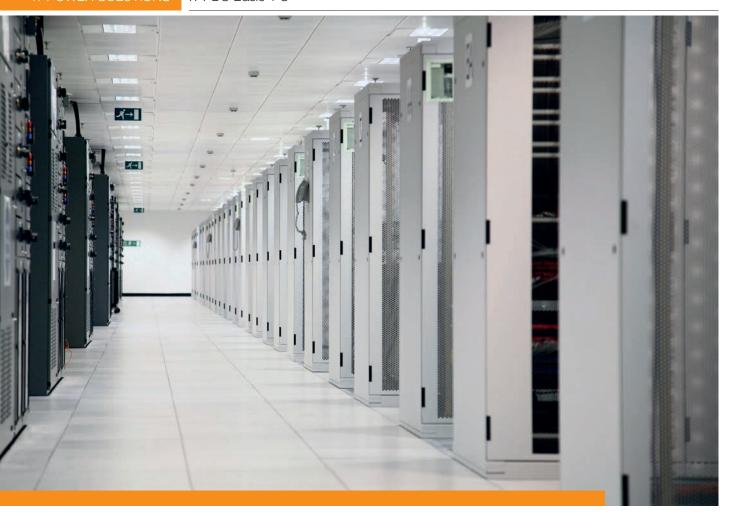


# Bachmann IT Power Distribution

in high-quality aluminium housing



- · Space-saving integration of PDU in the server rack with scope for modular add-ons
- · High-quality and very robust aluminium profile
- · Extremely compact dimensions of 44 x 47 mm. This therefore provides plenty of space for
- $\cdot$  data cabling and ventilation for cooling the server rack
- $\cdot$  The IT PDUs can be linked together by a simple insertion mechanism, allowing various different plug versions to be combined with ease



## IT PDU Basic 1 U

#### Power Distribution Units 230V / 50Hz

With its IT-PDU 1 U, Bachmann provides a huge choice of PDUs in a high-quality aluminium profile. With their extremely compact size of just 1 height unit, 44 mm in depth and 19" in width, the PDUs can be easily integrated in your IT rack.

Their multi-functional mounting brackets allow the units to be mounted in various ways (e.g. inwardly recessed). Our high quality standards ensure that the contact is reliable.



- · Torsionally rigid 1 U aluminium profile, 19" format
- $\cdot$  Up to 9 x socket inserts in the 19" format
- $\cdot$  Flexible positioning and universal attachment options
- · The modular platform allows individual solutions to be project planned

#### Versions available:

- · Anodised profiles in black or grey
- · End caps rivetted or rewireable
- · Earthing contact and IEC320 socket outlets
- · Various country versions
- · Illuminated 2-pole switch
- · Interlocking of IEC320 plugs

- · 3-way and 12-way variants (no 19" format)
- · Overvoltage protection 6.5 KA
- · Mains and frequency filters
- · Protection with miniature fuse
- · 30 mA residual current device
- · Miniature circuit breaker
- · Master + slave function
- · Socket inserts set at 35°

#### 19" IT PDU Basic (230 V / 50 Hz)

Art. no.	Version	Colour (plastic / profile)	× 0000000000
19" IT PDU	Basic		000
Without swi	tch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle p	olug with earthing contact	000
333.401	· 9 x socket outlet with earthing contact light grey	light grey / silver	200
333.506	· 9 x socket outlet with earthing contact black	black / black	200
333.539	· 9 x IEC320 non-heating appliance socket C13 black	light grey / silver	-
333.616	· 12 x IEC320 non-heating appliance socket C13 black	black / black	V
Without swi	tch, 2.0 m H05VV-F 3G 1.50 mm², black, with IEC320 C20	) plug	
333.815	· 8 x IEC320 non-heating appliance socket C19 black	light grey / silver	00
Without swi	tch, without supply cable, rewireable with terminal block		5333
333.416	· 8 x socket outlet with earthing contact light grey	light grey / silver	2000
333.830	· 12 x IEC320 non-heating appliance socket C13 black	black / black	V
With switch	, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug	with earthing contact	= 0.3.3
333.400	· 8 x socket outlet with earthing contact light grey	light grey / silver	Tooogo
333.505	· 8 x socket outlet with earthing contact black	black / black	

#### available from stock

#### 19" IT PDU overvoltage protection (230 V / 50 Hz)

Art. no.	Version	Colour (plastic / profile)		
19" IT PDU Basic with overvoltage protection				
Without swite	ch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle p	olug with earthing contact		
333.404	· 8 x socket outlet with earthing contact grey	light grey / silver		
333.534	· 8 x socket outlet with earthing contact black	black / black		
With switch,	2.0 m H05VV-F 3G 1.50 mm <sup>2</sup> , black, with right angle plug	with earthing contact		
333.405	· 7 x socket outlet with earthing contact light grey	light grey / silver		
333.535	· 7 x socket outlet with earthing contact black	black / black		
19" IT PDU	Basic with overvoltage protection + mains and frequ	ency filters		
Without swite	ch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle p	olug with earthing contact		
333.402	6 x socket outlet with earthing contact light grey	light grey / silver		
333.536	6 x socket outlet with earthing contact black	black / black		
With switch,	2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug	with earthing contact		
333.403	· 5 x socket outlet with earthing contact light grey	light grey / silver		
333.537	· 5 x socket outlet with earthing contact black	black / black		
19" IT PDU Basic mains and frequency filters				
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact				
333.406	· 7 x socket outlet with earthing contact light grey	light grey / silver		



#### available from stock

#### 19" IT PDU Protection (230V / 50 Hz)

Art. no.	Version	Colour (plastic / profile)
19" IT PDU	Basic with fusing	
10A miniatur	re fuse, 2.0 m H05VV-F 3G 1.50 mm², black, with IEC320	C14 plug
333.410	8 x socket outlet with earthing contact red	light grey / silver
333.538	8 x socket outlet with earthing contact red	black / black
10A miniatur	re fuse, 2.0 m H05VV-F 3G 1.50 mm², black, with right ar	ngle plug with earthing contact
333.408	· 8 x IEC320 non-heating appliance socket C13 black	light grey / silver
10A miniatur	re fuse, 2.0 m H05VV-F 3G 1.00 mm², black, with IEC320	C14 plug
333.540	· 8 x IEC320 non-heating appliance socket C13 black	light grey / silver
1 x residual o	current device, tripping current 30 mA	
333.411	6 x socket outlet with earthing contact light grey	light grey / silver
1 x MCB 16	A type B	
333.412	· 6 x socket outlet with earthing contact light grey	light grey / silver



\* 0000000000000

#### IT PDU Basic (230V / 50 Hz)

Art. no. Version Colour (plastic / profile)



Without switch, 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, black, with right angle plug with earthing contact

· 12 x socket outlet with earthing contact light grey

light grey / silver

#### 10" IT PDU Basic (230V / 50 Hz)

Art. no. Version Colour (plastic / profile)

#### **IT PDU Basic**

10 ", 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact 333.417

 $\cdot$  3 x socket outlet with earthing contact light grey light grey / silver 333.0122 · 4 x socket outlet with earthing contact light grey light grey / silver

#### 19" IT PDU master + slave (230 V / 50 Hz)

- $\cdot$  Once master device is shut down/switched off, automatically isolates this and all slave devices from supply
- · Automatically switches on master device and all slave devices once master device has been switched on
- · Integral LED indicates switching status

Art. no. Version Colour (plastic / profile)

#### 19" IT PDU master + slave

2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, black, with right angle plug with earthing contact

· 1 + 4 socket outlets with earthing contact, light grey | light grey / silver

#### 19" fuse box (32 A / 400 V / 50 Hz)

- · Space-saving option of splitting a 32 A / 400 V infeed between two 16 A / 400 V infeeds
- · 6 x 16 A miniature circuit breaker, characteristic C

Version

#### 19" IT PDU fuse box

Input: 32 A / 400 V CEE plug outlet: 2 x 16 A / 400 V coupling

800.0120 · 6 x 16 A miniature circuit breaker, characteristic C

. 000

10

#### IEC320 C13 lockable

Art. no.

Two locking clips to secure two power cables. Optimum interlocking only provided with Bachmann power cables.

Connecting cables and locking clips can be





#### IEC320 C19 with IEC lock

The IEC lock system protects computers, as servers and electrical equipment can become accidentally disconnected due to vibrations.

#### IT PDU Basic Switzerland



Art. no.	Version	Colour	Supply cable		
19" IT PDU	19" IT PDU Basic Switzerland				
Without swite	Without switch				
800.1259	8 x CH type 13 90°	black	2.0 m H05VV-F 3G 1.0mm <sup>2,</sup> with CH plug type 12		
800.1262	8 x CH type 23 90°	black	3.0 m H05VV-F 3G 1.5mm <sup>2,</sup> with CH plug type 23		
With switch					
000 1000	7 v Ollhuma 10 000	la la al c	2.0 m H05VV-F 3G 1.0mm <sup>2</sup>		
800.1263	7 x CH type 13 90°	black	with CH plug type 12		
000 1004	7 v Cl I to man 00 000	lata ata	3.0 m H05VV-F 3G 1.5mm <sup>2</sup>		
800.1264 7 x CH type 23 90°		black	with CH plug type 23		
19" IT PDU	19" IT PDU Basic overvoltage protection Switzerland				
Without switch					
000 1000	7 v Ollhuma 10 000	la la al c	2.0 m H05VV-F 3G 1.0mm <sup>2</sup>		
800.1260	7 x CH type 13 90°	black	with CH plug type 12		
000 1050	7 011+ 00 000	black	3.0 m H05VV-F 3G 1.5mm <sup>2</sup>		
800.1258	7 x CH type 23 90°		with CH plug type 23		
19" IT PDU Basic overvoltage protection + mains and frequency filters Switzerland					
Without swite	ch				

2.0 m H05VV-F 3G 1.0mm<sup>2</sup>

with CH plug type 12 3.0 m H05VV-F 3G 1.5mm<sup>2</sup>

with CH plug type 23



5 x CH type 13  $90^\circ$ 

 $5 \times \text{CH} \text{ type } 23 \ 90^{\circ}$ 

black

black

800.1261

800.1265

#### IT PDU Basic UK

+

Art. no.	Version	Colour		
19" IT PDU I	Basic UK			
Without switch	Without switch, 2.0 m, H05VV-F 3G 1.5 mm <sup>2</sup> with UK plug			
333.804	7 x UK 90° shuttered	grey		
With switch, 2.0 m, H05VV-F 3G 1.5 mm <sup>2</sup> with UK plug				
333.805	6 x UK 90° shuttered	grey		

available on request

#### IT PDU Basic France

Art. no.	Version	Colour	
19" IT PDU	Basic France		
Without swit	ch, 2.0 m, H05VV-F 3G 1.5 mm <sup>2,</sup> with right angle plug wit	h earthing contact	
333.418	9 x UTE socket outlet	grey	
Without swit	ch, rewireable with terminal block		
333.819	8 x UTE socket outlet	grey	
With switch			
333.419	8 x UTE socket outlet + switch	grey	
19" IT PDU	Basic overvoltage protection France		
Without swit	ch, 2.0 m, H05VV-F 3G 1.5 mm <sup>2,</sup> with right angle plug wit	h earthing contact	
333.4061	8 x UTE socket outlet	grey	
With switch,	$2.0\ \text{m},\ \text{H05VV-F}\ \text{3G}\ 1.5\ \text{mm}^2$ with right angle plug with e	arthing contact	
333.838	7 x UTE socket outlet	grey	
19" IT PDU	Basic overvoltage protection + mains and frequency	y filters France	
Without switch, 2.0 m, H05VV-F 3G 1.5 mm <sup>2</sup> , with right angle plug with earthing contact			
333.4063	6 x UTE socket outlet	grey	
With switch,	With switch, 2,0 m H05VV-F 3G1,5mm <sup>2</sup> with right angle plug with earthing contact		
333.840	5 x UTE socket outlet	grey	
19" IT PDU	19" IT PDU Basic with fuse France		

grey

grey



available on request

333.4065

1 x residual current device, tripping current 30 mA

6 x UTE socket outlet

333.4066 6 x UTE socket outlet

 $2.0\ \text{m, H05VV-F}\ 3G\ 1.5\ \text{mm}^{2}$  with right angle plug with earthing contact

1 x MCB 16A type B, 2,0 m H05W-F 3G 1,5 mm $^{2}$  with right angle plug with earthing contact

## PDUs > 1 U ALU

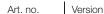
#### Power distribution units

- · Torsionally rigid profile > 1 U (52 mm), profile depth 44 mm
- · Modular socket outlet design
- · Standard socket colour white; other colours black, yellow, red, brown, blue and green also available
- · Optionally includes illuminated 2-pole switch
- · High-quality electronics components built in, e.g. overvoltage protection, mains and frequency filters
- · Mounting brackets included

#### End caps riveted and do not open

Power input: 2.0 m, H05VV-F 3G 1.50 mm<sup>2</sup>, grey, with moulded right angle plug with earthing contact with double earthing contact system, socket outlets white, set at 35°, including mounting brackets

Length: 440 mm



#### 19", 8 x earthing contact

333.001 · 8 x socket outlet with earthing contact, white

#### 19", 7 x earthing contact

1 x switch, green

333.000

· 7 x socket outlet with earthing contact, white

· Switch, green

#### 19", 7 x earthing contact

1 x overvoltage protection

333.004

 $\cdot$  7 socket outlets with earthing contact, white

· Overvoltage protection

#### 19", 6 x earthing contact

1 x overvoltage protection, 1 x switch, green

333.005

· 6 x socket outlet with earthing contact, white

· Switch, green

· Overvoltage protection

#### 19", 5 x earthing contact

1 x overvoltage protection + mains and frequency filters

333.002

· 5 x socket outlet with earthing contact, white

· Overvoltage protection + mains and frequency filters

#### 19", 4 x earthing contact

1 x overvoltage protection + mains and frequency filters, 1 x switch, green

331.0202

- $\cdot\,$  4 x socket outlet with earthing contact, white
- · Switch, green
- $\cdot$  Overvoltage protection + mains and frequency filters

available from stock





## PDUs > 1 U PVC

#### Power distribution units

- · Torsionally rigid profile > 1 U (52 mm) in high-quality PVC, profile depth 44 mm
- · Optionally includes illuminated 2-pole switch
- · High-quality electronics components built in, e.g. overvoltage protection, mains and frequency filters
- · Mounting brackets included

#### End caps riveted and do not open

Power input: 2.0 m, H05VV-F 3G 1.50 mm<sup>2</sup>, grey, with moulded right angle plug with earthing contact with dual earthing contact system, light grey RAL7035 socket outlets set at 35°, including mounting brackets

Art. no. Version

#### 19", 8 x earthing contact Length: 440 mm

333.601 · 8 x socket outlet with earthing contact

19", 7 x earthing contact Length: 440 mm

1 x switch, green

333.600 · 7 socket outlets with earthing contact

· Switch, green

#### 19", 7 x earthing contact Length: 440 mm

1 x overvoltage protection

333.604 · 7 x socket outlet with earthing contact

· Overvoltage protection

#### 19", 6 x earthing contact Length: 440 mm

1 x overvoltage protection, 1 x switch, green

333.605

- · 6 x socket outlet with earthing contact
- · Switch, green
- · Overvoltage protection

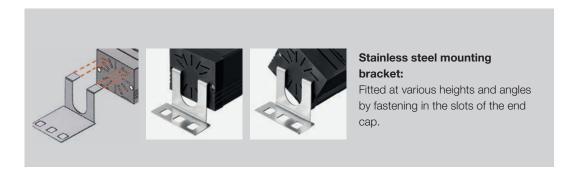
#### Length: 440 mm 19", 5 x earthing contact

1 x overvoltage protection + mains and frequency filters

333.602

- · 5 x socket outlet with earthing contact
- · Overvoltage protection + mains and frequency filters

available from stock



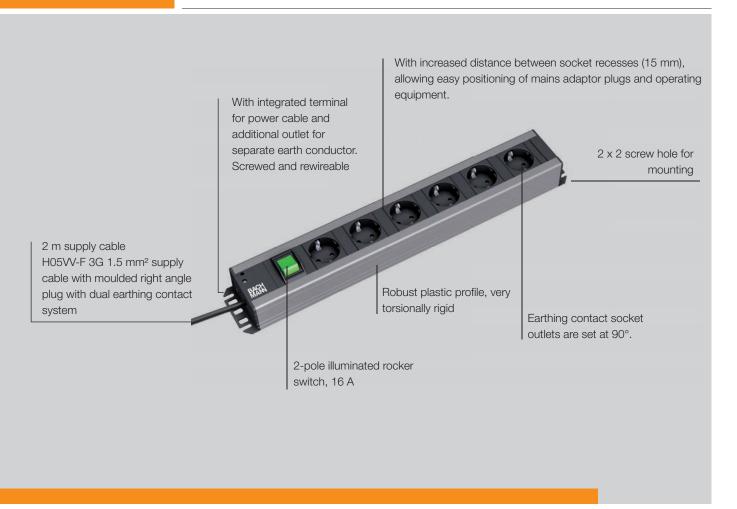












## PDU 2 U

#### Power distribution units

With increased distance between socket recesses, allowing easy positioning of mains adaptor plugs and operating equipment.



- $\cdot$  End caps with additional screw holes for mounting in data racks
- · Additional earth conductor can be connected without opening the housing
- · PDUs in 19" dimensions available
- · Modern, technical design

#### 2 U PDU set at 90°

- · Supply cable: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, black, with right angle plug with earthing contact
- · Socket inserts, black, 15 mm spacing between sockets

Art. no. Version Dimensions: (L x W x H)

Without swi	tch		
300.000	· 6 x socket outlet with earthing contact	approx. 445 x 74 x 45 mm	
300.001	· 9 x socket outlet with earthing contact	approx. 617 x 74 x 45 mm	
300.002	12 x socket outlet with earthing contact	approx. 790 x 74 x 45 mm	



x rocker sv	witch, green		19" S
300.003	6 x socket outlet with earthing contact	approx. 445 x 74 x 45 mm	2550
300.004	· 9 x socket outlet with earthing contact	approx. 617 x 74 x 45 mm	TO SESS
300.005	12 x socket outlet with earthing contact	approx. 790 x 74 x 45 mm	300

1 x overvoltage protection, 1 x rocker switch, green	
300.011 · 6 x socket outlet with earthing contact	approx. 490 x 74 x 45 mm
	1
	71 - 1
1 x overvoltage protection + mains and frequency filters, 1 x rocker sv	ritcn, green
1 x overvoltage protection + mains and frequency filters, 1 x rocker sv 300.012  • 6 x socket outlet with earthing contact	approx. 575 x 74 x 45 mm



#### available from stock

#### Overvoltage protection with filter

Overvoltage protection - conforms to EN 61643-1:2005, EN 61643-11:2002 + A11:2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters conforming to VDE 0565-3:05-2006, damping diagram on data sheet.

#### 2 U PDU set at 35°

- $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black
- $\cdot$  Screwing dimension 465 mm, socket outlets set at 35°

Art. no. Version Dimensions: (L x W x H)



1 x rocker s	witch, green	19"
300.007	· 7 x socket outlet with earthing contact	approx. 482.6 x 74 x 45 mm

available from stock



# Basic PDU Vertical Power distribution units 230 - 400 V / 50 Hz

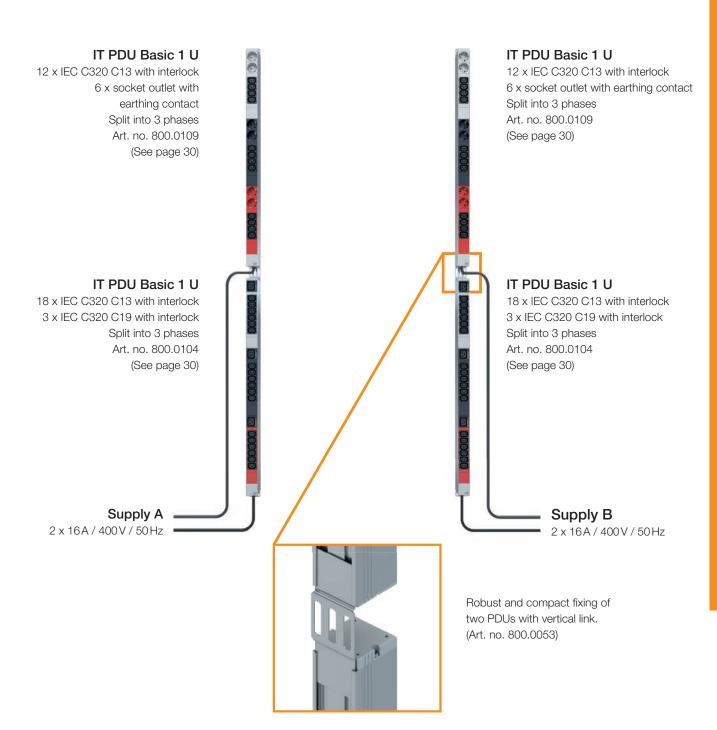
Development of the IT PDU focused on space-saving PDU integration in the server rack with scope for modular expansion. The high-quality and very robust aluminium profile measures a compact 44 x 47 mm. The space-saving design therefore provides space for data cabling and ventilation for cooling the server rack.

The IT PDUs can be linked together by a simple insertion mechanism, allowing various different plug versions to be combined.

- · Very high packing density (96A per side)
- · Very good MTTR (mean time to repair)
- · Space-saving (depth: 47 mm)
- · Maximum availability thanks to total physical and electric separation
- · Lockable C13 and C19 sockets
- · Phases identified by colour

## Sample rack configuration

Sample system for 4 x 3 x 16 A / 400 V = 44 KW (11 KW per Basic PDU)

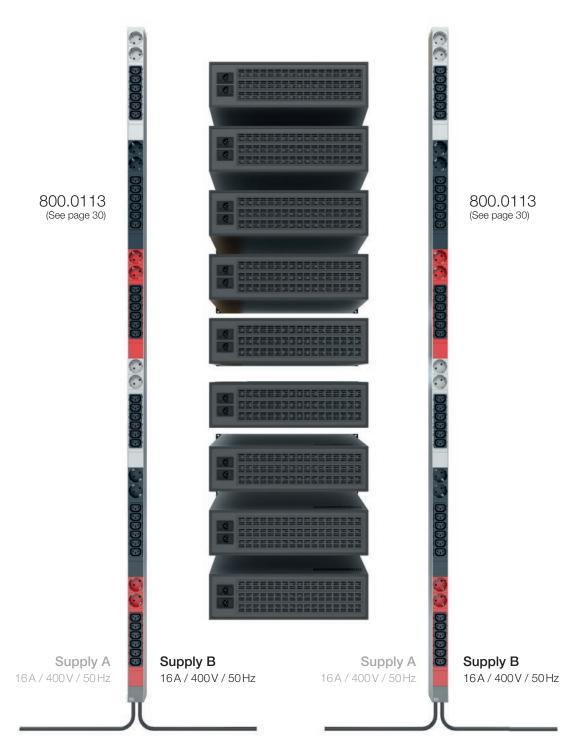




## High density rack

Sample system for 4 x 3 x 16 A / 400 V = 44 kW (11 kW per feeder unit)

Basic PDU 16A / 400V / 50 Hz

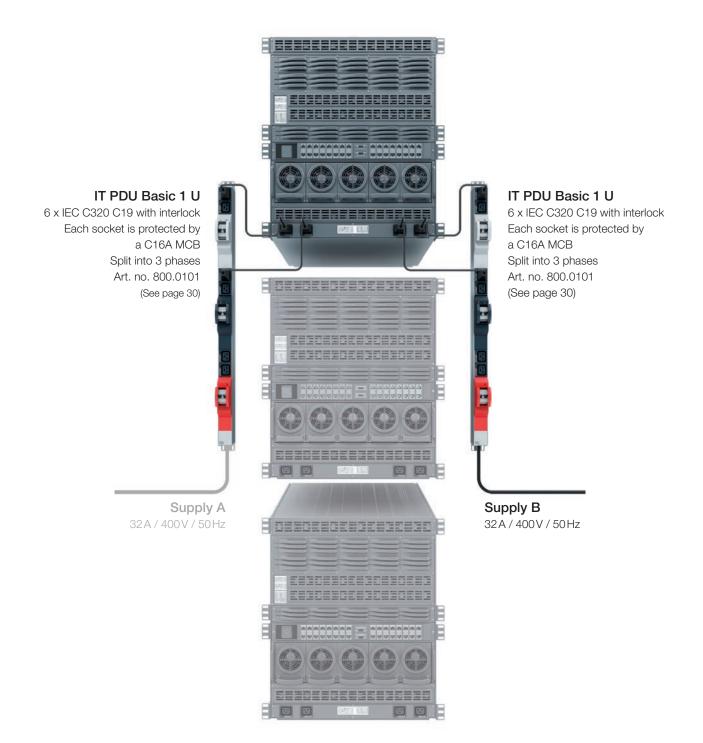


- $\cdot$  PDU with double infeed to increase performance or map redundancies.
- · 2 galvanically isolated infeeds (16-32 A / 230-400 V)

#### Blade center rack

#### Sample system for 2 x 3 x 32 A/400 V = 44 kW (22 kW per Basic PDU)

Basic PDU 32 A / 400 V / 50 Hz



- · Little wiring work
- · Rack with protection against accidental switching
- · Selective protection structure
- · Redundant power supply, specially for high ratings (22 kW / PDU)
- · Compact PDU construction

#### Basic PDU Vertical

Power distribution units 230 - 400 V / 50 Hz

	Power distribution units 230 - 400 V / 50 Hz												
	Article number	Cable type H05VV-F-	Length (m)	Plug	Phases	Rated voltage (V)	Current per phase in A	C16A miniature circuit breaker	C13	C19 IEC lock	SOEC*	Outlets in total	Dimensions (WxHxD) in mm
	19" IT PDU	Basic 3 x (16 A /	400 <b>V</b> /	50 Hz)									
	800.0111	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16			6		6	482.6 x 44 x 47
	IT PDU Bas	ic (16A / 230V /	50 Hz)										
V	800.1657	3G 2.5 mm²	3	CEE	1	230	16		24	3		27	1075 x 44 x 47
V	800.0119	ic (32 A / 230 V / 5G 4 mm <sup>2</sup>	3	CEE	1	230	32	2	20			20	778 x 44 x 47
	IT DDII Doo	:- 0 ·· /40 A / 400	V / F01	1-/									
V		ic 3 x (16 A / 400											
	800.0104	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16		18	3		21	821 x 44 x 47
V	800.0105	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16		18			18	821 x 44 x 47
77	800.0107	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16				15	15	821 x 44 x 47
V	800.0109	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16		12		6	18	821 x 44 x 47
								1	î		î	î	
V	800.1656	5G 2.5 mm <sup>2</sup>	3	CEE	3	400	16		24	3		27	1075 x 44 x 47
V	800.0113	2 x 5G 2.5 mm <sup>2</sup>	2 x 3	2 x ES	6	400	16		36		12	48	1840 x 44 x 47
V	800.0114	2 x 5G 2.5 mm <sup>2</sup>	2 x 3	2 x ES	6	400	16		48			48	1840 x 44 x 47
	IT PDU Bas	ic 3 x (32 A / 400	V / 50 I	Hz)									
	800.0100	5G 4 mm <sup>2</sup>	3	CEE	3	400	32	6		12		12	1075 x 44 x 47

available from stock

\*ES=end sleeves

5G 4 mm<sup>2</sup>

5G 4 mm<sup>2</sup>

3

3

CEE

CEE

3

400 32

400 32

6 36 6

800.0101

800.0102

820 x 44 x 47

1586 x 44 x 47

## Accessories

#### Mounting kits for IT PDUs

- $\cdot$  Power strip is fixed by insertion into the profile groove provided
- · No additional screws required

Art. no. Version

#### 1 U mounting brackets

· Mounting brackets left and right

#### 1 U link

800.0053 · For connecting 2 vertically fitted PDUs

#### Locking clips

940.103

· Red locking clip for IEC320 non-heating appliance sockets C13, supplied in packs of 12.



#### Connecting cables for power supply

Cable cross- section mm <sup>2</sup>	Cable length (m)	Plug	Coupling	Art. no.	Cable colour
1.0	0.50	C14	C13	356.119	black
1.0	0.75	C14	C13	356.169	black
1.0	1.00	C14	C13	356.120	black
1.0	1.50	C14	C13	356.127	black
1.0	2.00	C14	C13	356.171	black
1.5	0.50	ECP*	C13	356.172	black
1.5	0.75	ECP*	C13	356.1721	black
1.5	1.00	ECP*	C13	356.1722	black
1.5	1.50	ECP*	C13	356.1723	black
1.5	2.00	ECP*	C13	354.127	black
1.5	0.50	C20	C19	356.1731	black
1.5	0.75	C20	C19	356.1732	black
1.5	1.00	C20	C19	356.1733	black
1.5	1.50	C20	C19	356.183	black
1.5	2.00	C20	C19	356.1735	black
1.5	0.50	ECP*	C19	356.1971	black
1.5	0.75	ECP*	C19	356.1972	black
1.5	1.00	ECP*	C19	356.1973	black
1.5	1.50	ECP*	C19	356.1974	black
1.5	2.00	ECP*	C19	356.1975	black

Art. no.	Cable colour
356.900	grey
356.901	grey
356.902	grey
356.903	grey
356.904	grey
356.905	grey
356.906	grey
356.907	grey
356.908	grey
356.909	grey
356.910	grey
356.911	grey
356.918	grey
356.935	grey
356.936	grey
356.937	grey
356.938	grey
356.939	grey
356.940	grey
356.941	grey





## **BlueNet**

The intelligent, modular energy management system

BlueNet offers a total solution for structuring, controlling and monitoring IT power networks. It captures consumption and output data and provides the user with relevant data and control options for modern power management.



#### **Energy management**

Monitor energy costs with BlueNet. All data, such as current, voltage, power, is depicted by the software and display. Loads can then be distributed such that failures due to circuit overloads no longer occur.

Messages can be triggered automatically by means of adjustable threshold valves. Restarts controlled by web link further increase availability and flexibility.

The BlueNet technology can be easily integrated in superordinate infrastructure software solutions using extensive, integrated interfaces.

#### Safety

Every Bachmann PDU is tested and documented one port at a time using a computer-based test program during production.

Electronic components are continually subjected to stress tests to guarantee consistent quality.

BlueNet is only integrated in compact, very robust, yet weight-optimised aluminium housings.

Most of the requirements in relevant standards and guidelines are exceeded.

#### **Energy efficiency**

Bachmann BlueNet PDUs save energy. The technology used has some of the lowest operating consumption levels for intelligent measurement systems in the world.

The modular structure of the BlueNet PDUs guarantees maximum packing density. The tiny amount of space needed by the PDUs leaves room for cabling and air conditioning in the rack. The BlueNet Basic Monitored series is one of the most compact power metering solutions with integrated network and sensor interface anywhere in the world.



# BlueNet product matrix

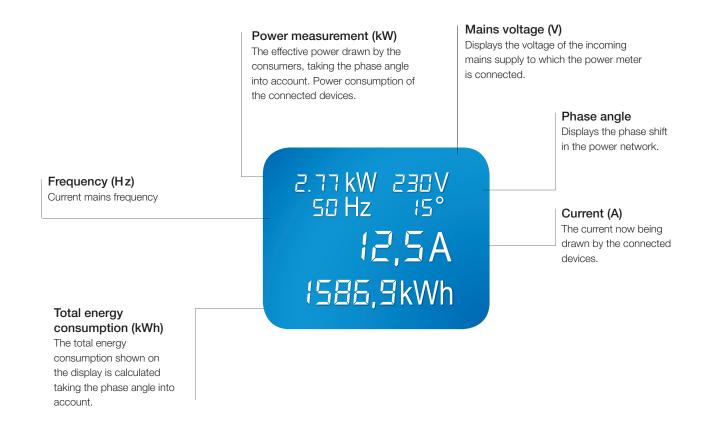
	BN0500	BN1000	BN2000	BN2000 PLC	BN2000 Inline	BN2000 Inline PLC	BN3000	Switched	Managed	Power unit
MEASUREMENT										
Current	Х	X	×	X	X	X	X		X	X
Voltage	X	x	Х	x	x	x	X		x	Х
Phase angle	Х	x	х	x	x	Х	×		x	х
Frequency	Х	×	×	×	×	Х	×		×	Х
Effective power	Х	×	X	×	×	Х	X		×	Х
Reactive power		X	×	x	x	Х	X		x	×
Apparent power		×	×	×	×	X	Х		×	Х
Energy meter	Х	×	×	×	×	Х	Х		×	Х
Power factor		x	x	×	×	х	Х		×	Х
Neutral conductor monitoring			X	X	X	X	×		X	Х
Measurement per phase	Х	х	Х	х	х	х	Х		х	Х
Optional residual current measurement							×			
Measurement accuracy	1%	1%	1%	1%	1%	1%	1%		1%	1%
DISPLAY		1		1	1	1		1	1	
Туре	LCD	_	TFT	TFT	TFT	TFT	OLED		LCD	LCD
Display can be rotated using software			X	X	X	X	×			
SENSORS										
Connections for external sensors		1	2	2	2	2	2			
Socket outlets can be switched		X						X	X	
Switching status check								×	х	

	BN0500	BN1000	BN2000	BN2000 PLC	BN2000 Inline	BN2000 Inline PLC	BN3000	Switched	Managed	Power unit
SWITCH										
Timer function		X								
Threshold value switching function		Х								
COMMUNICATIO	N									
Ethernet (10/100 Mbit/s)		X	X	X	X	X	Х	X	X	X
WiFi 802.11 b/g/n		Х								
PowerLine communication				X		Х				
ModBus TCP							Х	×	x	Х
HTTP		X	X	X	X	Х	X	×	x	Х
HTTPS		X					X	×	x	Х
SSH							×	х	X	X
DHCP		X	X	X	X	X	X	X	X	X
SMTP		X					×	×	X	X
SNMPv2			X	X	×	Х	×	×	X	X
SNMPv3							×			
SNMP Trap							Х	×	X	Х
Syslog			X	X	×	Х	×	×	X	X
NTP		X	X	X	X	X	×	X	X	X
OPERATION										
Web browser		Х	х	×	×	Х	Х	x	х	Х
Mobile app		х								
Local			×	×	×	X	×			



## BlueNet BN0500

Current and power metering via local display



- · Current measurement
- · Voltage measurement
- · Phase angle measurement
- · Effective power measurement taking phase angle into account
- · Frequency measurement
- $\cdot \; \mathsf{BlueNet} \; \mathsf{display}$
- · Accuracy class 1

### BlueNet BN0500 (16 A / 230 V / 50 Hz)

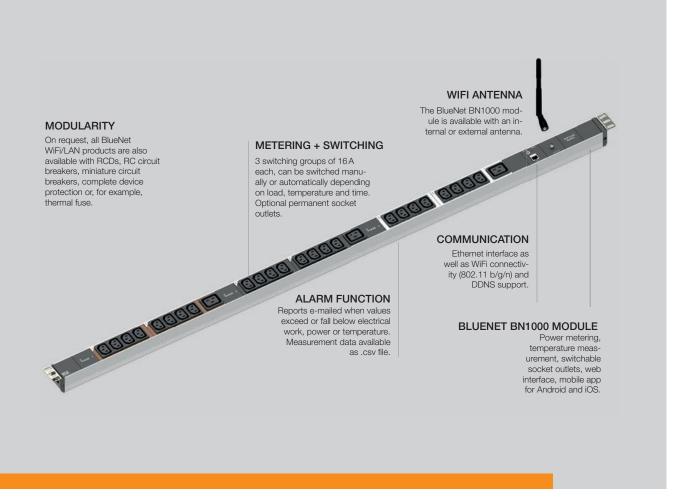
### Integrated measurement of:

- $\cdot$  current, effective power, voltage, frequency, phase angle and energy
- · Indication on illuminated LCD
- · Energy meter which can be reset (value is stored even if there is no power supply)
- $\cdot$  Accuracy of measurement +/- 1 %
- $\cdot$  End caps riveted and do not open
- · Includes mounting brackets and screws
- · Plastic black, aluminium profile silver

Art. no.	Version	Dimensions (L x W x H)		
BlueNet BN				
	ower metering, 2.0 m H05VV-F 3G 1.5 mm², black, with right angle	1		
800.2054	8 x socket outlet with earthing contact	approx. 482.6 x 44 x 44		( Sec.
800.2055	· 12 x IEC320 non-heating appliance socket C13	approx. 482.6 x 44 x 44	V	= 600000 G
ntegrated po	wer metering, 2.0 m H05VV-F 3G 1.5 mm², black, with CH T13 p	lug		V
800.2063	· 7 x CH T13 socket outlet incl. 10 A fuse	approx. 482.6 x 44 x 44	•	· · · · ·
ntegrated po	wer metering, 2.0 m H05VV-F 3G 1.5 mm², black, with CH T23 p	lug		
800.2065	· 7 x CH T23 socket outlet	approx. 482.6 x 44 x 44	•	. = 00000
ntegrated po	wer metering, 2.0 m H05VV-F 3G 1.5 mm², black, with right angle	e plug with earthing contact		
800.2067	· 8 x French / UTE socket outlet	approx. 482.6 x 44 x 44		. =
ntegrated po	wer metering, 2.0 m H05W-F 3G 1.5 mm², black, with UK plug			<u> </u>
800.2068	· 6 x UK socket outlet	approx. 482.6 x 44 x 44		
	0500 (16 A / 400 V / 50 Hz)			
	ower metering, 3.0 m H05VV-F 5G 2.5 mm², black, with CEE-plug			
800.2134	· 24 x IEC320 C13; 3 x IEC320 C19 with IEC-Lock	ca. 1276 x 44 x 44		
BlueNet BN	0500 (16 A / 230 V / 50 Hz)			
ntegrated po	wer metering, 2.0 m H05VV-F 3G 1.5 mm², black, with CEE-plug			
800.2135	· 24 x IEC320 C13; 4 x IEC320 C19 with IEC-Lock	ca. 958 x 44 x 44		
000	888   888888   888888   E E E	800.2135		
200	8888 8888 E 8888 8888 E	4000 0000 E	800.2134	



You can also use the product configurator at bachmann.com



## BlueNet BN1000



## The complete solution for small and mid-sized IT network applications

The new BlueNet BN1000 module provides three separate switching and measuring groups for extended power metering and temperature measuring, and the switching of individual socket outlets and complete power strips.

The management interface is integrated in the web server and is operated via the web browser in the network or with Dynamic DNS via the Internet. The BlueNet WiFi app is available for mobile end devices. The maximum switching capacity is a full 16A per switching group. Switching can be performed both manually and automatically using load, temperature or time thresholds which can be set individually. The BlueNet BN1000 module can be integrated in virtually all Bachmann products.

External temperature sensors are available as accessories in lengths of 3, 10 and 20m.

An external RP-SMA antenna connection is provided for all Bachmann's IT BN1000 products. External WiFi antennas are also available as accessories.

Thanks to its compact design, the BN1000 module can be integrated in the modular Bachmann system and

- · Three switching groups of 16A each
- · Temperature measurement and power metering
- · Load management and cost control
- · Management via web interface and smartphone app
- · Remote online access via Dynamic DNS
- · WiFi (802.11 b/g/n) and Ethernet connectivity
- · Ethernet (LAN) connectivity

combined with connector systems, basic products and other components.

#### Manual switching

The WiFi/LAN module is accessed by Internet browser or mobile app. A static or dynamic IP address of the local network is assigned to the WiFi/LAN module. A dynamic DNS is fully supported and allows access (including remote access) to connected WiFi/LAN products with all functions, such as switching the switching outputs and monitoring of temperature and power data at any time. Depending on product variant, can also be switched using local buttons.

### Time-controlled switching

The BN1000 module provides convenient programming of the timer via the web browser. Only the time is entered during daily switching (on/off). The socket outlet's system time can be automatically synchronised via the Internet on a daily basis. The days of the week can be set for weekly switching processes. The switching actions (on/off) are selected individually for each time. All settings are saved in an individual profile. Up to four profiles can be created with the BN1000 module.

#### Temperature monitoring, threshold value alarms and temperature-dependent switching

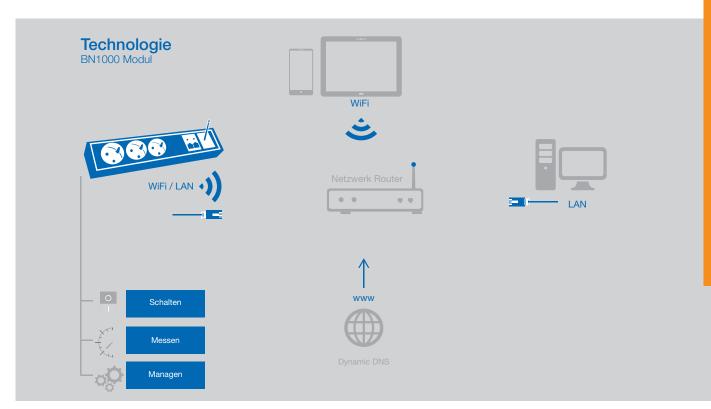
The ambient temperature is measured using the connected temperature sensor and displayed directly in the web browser and app. If values exceed or fall below personally defined threshold values, e-mails are sent automatically. Limit values, at which the selected switching groups are switched automatically, allow e.g. an air conditioning device or a heating fan to function in a particular temperature range with the aid of BN1000 technology.

### Power metering, issuing of threshold value alarms and load-dependent switching

Within the BN1000 module, the present electrical power of the three switching groups is measured and visualised via a web interface or app. Again automatic switching is possible following a freely definable effective power threshold value per switching group. E-mails can also be sent automatically if values exceed or fall below the measured power or electrical work.

### Key facts

- · Measurement of: Temperature, voltage (V), current (A), cos Φ, effective power (W), apparent power (VA), work (kWh) and costs (€)
- · Switching function: manual, by power, temperature or time; 3 switching groups of 16A each
- · Communication: WiFi (802.11 b/g/n, Ethernet 10/100), supports DDNS
- · SSL-encrypted e-mail messages when values exceed or fall below threshold values
- · Integrated web server with graphic management interface
- · Client applications for Android and iOS
- · With internal or external antenna as an option
- $\cdot$  Accuracy of measurement +/- 1%





### App for smartphones or tablet PCs

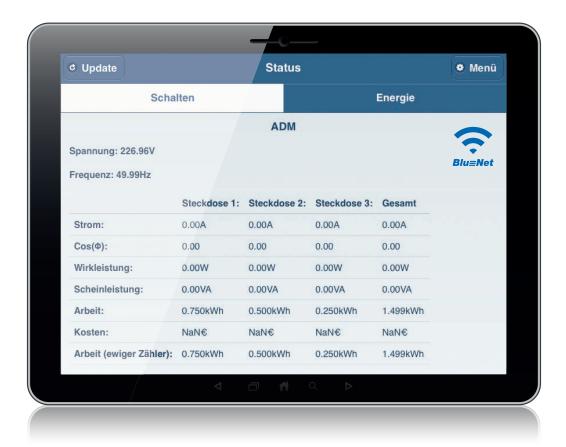
The app is available from the Play Store (for Android) or the App Store (for iOS) by searching for BlueNet WiFi. The present temperature, current switching statuses and current power metering data are displayed. The socket outlets can be switched on and off. If a Dynamic DNS address is entered, this entire functional scope can be accessed remotely via 3G or 4G.

### Smartphone interface





### Tablet interface



### Website interface



### Power metering & switching (BlueNet BN1000)

- · Power metering
- · Temperature monitoring
- $\cdot$  Issuing of threshold value alarms
- · Remote switching
- · Time-controlled switching
- · Temperature-dependent switching

For more information, see page 38

Article number	Cable type	Cable cross-section	Cable length (m)	Plug	Phase(s)	Rated voltage (V)	Current (A)	Max power in kVA	SKD**	UTE	T13	C13	C19	Outlets in total	Dimensions (L x W x D)
820.028	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7	3					3	437 x 44,4 x 46,2
820.030	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7		3				3	522 x 44,4 x 46,2
820.032	H05VV-F	3G1,5	2	T12	1	230	16	3,7			3			3	437 x 44,4 x 46,2
820.029	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7	6					6	522 x 44,4 x 46,2
820.031	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7		6				6	607 x 44,4 x 46,2
820.033	H05VV-F	3G1,5	2	T12	1	230	16	3,7			9			9	522 x 44,4 x 46,2
820.044	H05VV-F	3G1,5	2	CEE16A	1	230	16	3,7				24	3	27	1160 x 44,4 x 46,2



# BlieNet

## BN1000 accessories

Art. no. Description

BlueNet BN	1000 accessories
820.045	· External temperature sensor 3.0 m; jack plug 2.5 mm;
620.045	measuring range of sensor max50 °C to 110 °C
820.046	· External temperature sensor 10 m; jack plug 2.5 mm;
620.040	measuring range of sensor max50 °C to 110 °C; water-tight IP88
820.047	· External temperature sensor 20 m; jack plug 2.5 mm;
020.047	measuring range of sensor max50 °C to 110 °C; water-tight IP88
820.048	· RP-SMA WiFi antenna; with pivoted joint; 802.11 b/g/n; boosting 2dBi
820.049	· RP-SMA WiFi antenna; with pivoted joint; 802.11 b/g/n; boosting 5dBi



### Connecting cables for power supply

Cable cross- section mm <sup>2</sup>	Cable length (m)	Plug	Coupling	Art. no.	Cable colour
1.0	0.50	C14	C13	356.119	black
1.0	0.75	C14	C13	356.169	black
1.0	1.00	C14	C13	356.120	black
1.0	1.50	C14	C13	356.127	black
1.0	2.00	C14	C13	356.171	black
1.5	0.50	ECP*	C13	356.172	black
1.5	0.75	ECP*	C13	356.1721	black
1.5	1.00	ECP*	C13	356.1722	black
1.5	1.50	ECP*	C13	356.1723	black
1.5	2.00	ECP*	C13	354.127	black
1.5	0.50	C20	C19	356.1731	black
1.5	0.75	C20	C19	356.1732	black
1.5	1.00	C20	C19	356.1733	black
1.5	1.50	C20	C19	356.183	black
1.5	2.00	C20	C19	356.1735	black
1.5	0.50	ECP*	C19	356.1971	black
1.5	0.75	ECP*	C19	356.1972	black
1.5	1.00	ECP*	C19	356.1973	black
1.5	1.50	ECP*	C19	356.1974	black
1.5	2.00	ECP*	C19	356.1975	black

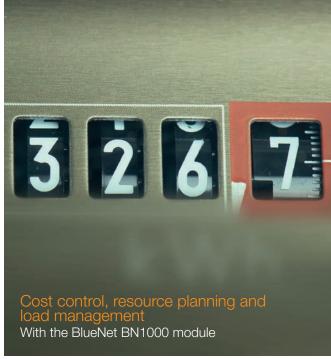
Art. no.	Cable colour
356.900	grey
356.901	grey
356.902	grey
356.903	grey
356.904	grey
356.905	grey
356.906	grey
356.907	grey
356.908	grey
356.909	grey
356.910	grey
356.911	grey
356.918	grey
356.935	grey
356.936	grey
356.937	grey
356.938	grey
356.939	grey
356.940	grey
356.941	grey

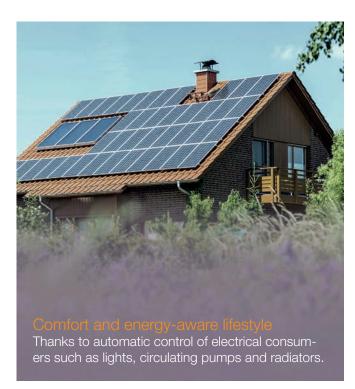


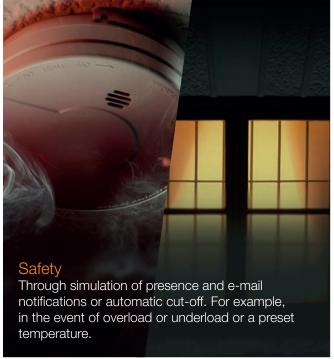
OR = on request

## Examples of use BN1000







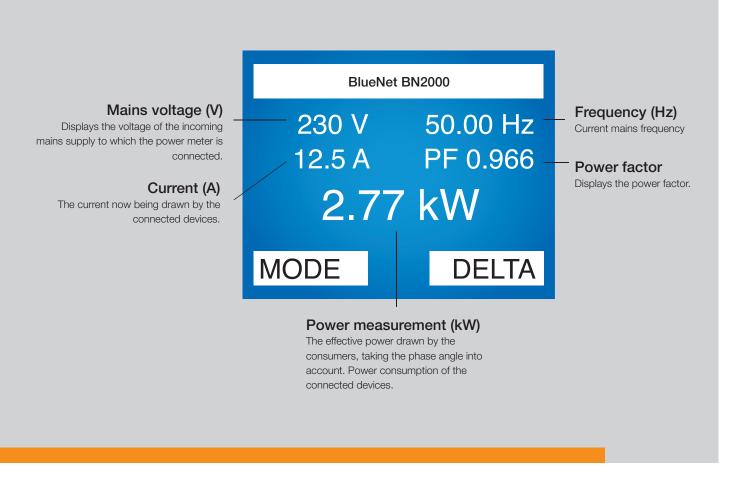












BlueNet BN2000 16-32A/230-400V/50Hz



- · Robust aluminium housing
- · 1-phase and 3-phase versions
- · 3.6 kW 22 kW power range
- · Extremely compact PDU power metering in 1 U profile (44 mm x 47 mm)
- $\cdot$  Coloured phase assignment of socket outlet with earthing contact and IEC 320 socket inserts
- Measurement of: current per phase & in total, power per phase & in total (effective, apparent and reactive power)
- $\cdot$  energy consumption, voltage, frequency, power factor, N conductor, current
- · Integrated temperature sensor also for self-monitoring
- $\cdot$  2 more sensors (temp./humidity) can be connected. If combi sensor is connected, up to an extra 2 x temp. + 2 x humidity measurement possible
- · Operated locally or using web browser via Ethernet port
- · Protocols: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- $\cdot$  High-resolution 2" TFT display, display can be rotated
- · Accuracy of measurement +/- 1 %
- $\cdot$  Internal consumption < 1 W



Combined temperature and air humidity sensor which can be easily secured to the rack using the integrated magnet.



BlueNet BN2000 as 19" variant for monitoring the network and distributor racks

Home Analyzer Settings	Channels—  Active Energy (MWh)  Active Power (M)  Current (A)									
Settings Users	01111	Active Energy (kWh)	Active Power (W)	Current (A)						
Maintenance	CH1 L1	28.663	0	0.00						
Password About	CH2 L2	197.921	15	0.15						
About	CH3 L3	11.338	1	0.00						
	CH4 N		to a	0.16						
	Groups—									
	Pre-defined	Active Energy (kWh)	Active Power (W)	Current (A)						
	Total CH1-3	237.921	16	0.16						
	Environment—									
	SECTION SECTIO	Temperature (°C)								
	Internal Sensor	20.9								
	External Sensor 1	23.1								

- · Overview of the system
- $\cdot$  Display of effective energy meter, load and current
- $\cdot$  Display of internal and external environmental sensors

lome Inalyzer	-Analyzer-							
ttings		P (W)	Q (var)	S (VA)	U (V)	1(A)	PF	f (Hz)
ers intenance	CH1 L1	0	0	0	231.1	0.00	0.000	50.00
ssword	CH2 L2	15	-15	36	231.2	0.15	0.438	50.00
out	CH3 L3	1	0	1	231.1	0.00	0.000	50.00
	CH4 N					0.16		
	Groups							
	Pre-defined	P (W)	Q (var)	S (VA)		1 (A)		
	Total CH1-3	16	-15	36		0.16		
	Total CH1-3	16	-15	36		0.16		

- · Detailed view of the 3 phases and neutral conductor
- $\cdot$  Display of effective, apparent and reactive power, voltage, current, power factor and frequency

### BlueNet BN2000 PDU

	Article number	Cable type	Cable cross-section mm²	Cable length (m)	Plug	Phase(s)	Rated voltage (V)	Current (A)	Max power in KVA	C13	C19 IEC LOCK	SOEC*	C19	C16A miniature circuit-breaker	Outlets in total	Length (mm)
V	329.3009	H05VV-F	1.5	2	ECP*	1	230	16	3.7			6			6	438.5
V	329.3010	H05VV-F	1.5	2	ECP*	1	230	16	3.7	8					8	438.5
V	329.3012	H05VV-F	1.5	3	CEE	3	400	16	11.0	36		6			42	1757.7
V	329.3013	H05VV-F	1.5	3	CEE	3	400	16	11.0	36			6		42	1757.7
V	329.3056	H05VV-F	4	3	CEE	1	230	32	7.4	24	4			2	28	1330.7
V	329.3057	H05VV-F	2.5	3	CEE	1	230	16	3.7	24	3				27	1032.6
V	329.3058	H05VV-F	4	3	CEE	3	400	32	22.1	24	6			3	30	1883
	329.3059	H05VV-F	2.5	3	CEE	3	400	16	11.0	24	6				30	1373

available from stock





### BlueNet BN2000 accessories

Art. no.

Description



### BlueNet BN2000 accessories

329.3104 Combined temperature and humidity sensor 2.0 m cable



## Accessories

### Mounting kits for IT PDUs

- $\cdot$  Power strip is fixed by insertion into the profile groove provided
- · No additional screws required

Art. no. Version

### 1 U mounting brackets

940.143

· Mounting brackets left and right

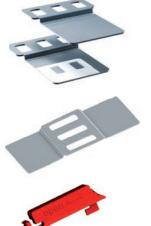
### 1 U link

800.0053 · For connecting 2 vertically fitted PDUs

### Locking clips

940.103

· Red locking clip for IEC 320 non-heating appliance sockets C13, supplied in packs of 12.

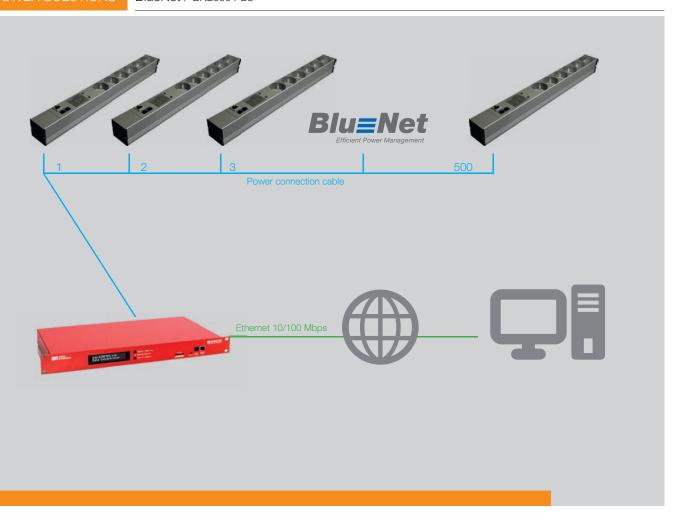


### Connecting cables for power supply

Cable cross- section mm <sup>2</sup>	Cable length (m)	Plug	Coupling	Art. no.	Cable colour
1.0	0.50	C14	C13	356.119	black
1.0	0.75	C14	C13	356.169	black
1.0	1.00	C14	C13	356.120	black
1.0	1.50	C14	C13	356.127	black
1.0	2.00	C14	C13	356.171	black
1.5	0.50	ECP*	C13	356.172	black
1.5	0.75	ECP*	C13	356.1721	black
1.5	1.00	ECP*	C13	356.1722	black
1.5	1.50	ECP*	C13	356.1723	black
1.5	2.00	ECP*	C13	354.127	black
1.5	0.50	C20	C19	356.1731	black
1.5	0.75	C20	C19	356.1732	black
1.5	1.00	C20	C19	356.1733	black
1.5	1.50	C20	C19	356.183	black
1.5	2.00	C20	C19	356.1735	black
1.5	0.50	ECP*	C19	356.1971	black
1.5	0.75	ECP*	C19	356.1972	black
1.5	1.00	ECP*	C19	356.1973	black
1.5	1.50	ECP*	C19	356.1974	black
1.5	2.00	ECP*	C19	356.1975	black

	colour
356.900	grey
356.901	grey
356.902	grey
356.903	grey
356.904	grey
356.905	grey
356.906	grey
356.907	grey
356.908	grey
356.909	grey
356.910	grey
356.911	grey
356.918	grey
356.935	grey
356.936	grey
356.937	grey
356.938	grey
356.939	grey
356.940	grey
356.941	grey





## BlueNet BN2000 PLC



(PowerLine communication) 16-32 A / 230-400 V / 50 Hz

- · Robust aluminium housing
- · 1-phase and 3-phase versions
- · 3.6 kW 22 kW power range
- · Extremely compact PDU power metering in 1 U profile (44 mm x 47 mm)
- $\cdot$  Coloured phase assignment of socket outlet with earthing contact and IEC320 socket inserts
- $\cdot$  Measurement of: current per phase & in total, power per phase & in total
- · (effective, apparent and reactive power),
- $\cdot$  energy consumption, voltage, frequency, power factor, N conductor, current
- $\cdot$  Integrated temperature sensor also for self-monitoring
- $\cdot$  2 more sensors (temp./humidity) can be connected. If combi sensor is connected, up to an extra 2 x temp. + 2 x humidity measurement possible
- $\cdot$  Operated locally or using web browser via Ethernet port
- · Protocols: HTTP; SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- $\cdot$  High-resolution 2" TFT display, display can be rotated
- · Accuracy of measurement +/- 1 %
- · Internal consumption < 1 W
- $\cdot$  Transmission of all data via Ethernet and PowerLine (SNMP protocol)

### Benefits of PowerLine technology

- $\cdot$  The PLC module can be combined with all BlueNet BN2000 products
- · Narrowband PowerLine Communication (PLC) with high availability and not susceptible to disturbances
- · Data from any number of PDUs is managed centrally using a concentrator
- Optimisation of investment and operating costs through reduction in network cabling, patch cabling, IP addresses and switch ports
- · No additional space needed in the PDU for the PLC module
- · No cable-lined radiation / disturbances in the network
- · 95 125 Khz according to Cenelec B
- · Internal consumption 0.2 W

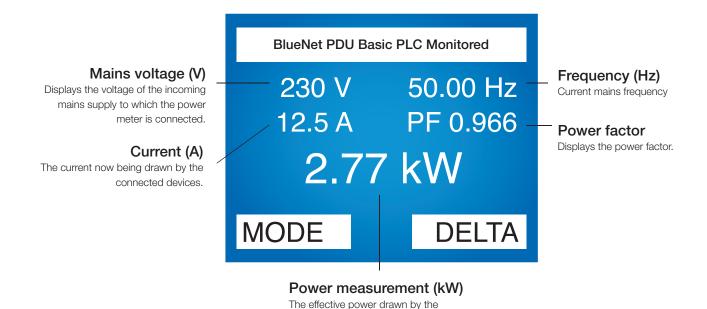
### BlueNet BN2000 modules with PLC

- · Keep an eye on costs with monitored power consumption and power factor
- · Each device has a unique serial number, which appears in the SNMP tree via a central unit
- · Connection and disconnection without interrupting data communication
- · Each unit has a unique serial number
- · 1 PDUs are queried per second
- · Around 250 PDUs a minute can be queried in parallel with one central unit
- · The data concentrator is equipped with 2 galvanically isolated three-phase connections for each network A and B, which allows optimal communication
- · Alarms are issued in real time. Individual nodes can be selected and therefore queried every second.

### **PLC Concentrator**

- · Compact PowerLine concentrator in 19" housing
- All data is recorded centrally by the data concentrator (3 phases) and therefore managed centrally too
- · All SNMP-capable management software can read the data from the data concentrator
- · No moving parts (no fans, has passive cooling, industrial-strength Flash memory)
- · Serial connection for maintenance and updates
- $\cdot$  10/100 Mbps Ethernet interface
- · Status LEDs





consumers, taking the phase angle into account. Power consumption of the

connected devices.

### BlueNet BN2000 PLC

16-32A/230-400V/50Hz

	Article number	Cable type	Cable cross-section mm²	Cable length (m)	Plug	Phase(s)	Rated voltage (V)	Current (A)	Max power in kVA	C13	C19 IEC LOCK	C16A miniature circuit-break- er	Outlets in total	on request	Length (mm)
V															
	329.3111	H05VV-F	2.5	3	CEE	3	400	16	11.0	36			36	X	1458
	329.3112	H05VV-F	4	3	CEE	1	230	32	7.4	24	4	2	28	×	1330.7
	329.3113	H05VV-F	2.5	3	CEE	1	230	16	3.7	24	3		27	Х	1032.6
	329.3114	H05VV-F	4	3	CEE	3	400	32	22.1	24	6	6	30	Х	1883
	329.3115	H05VV-F	2.5	3	CEE	3	400	16	11.0	24	6		30	х	13773



### BlueNet PowerLine Concentrator

The BlueNet PowerLine Concentrator collects the data from the PowerLine PDUs and supplies it to the network via the Ethernet interface.



Art. no.

BlueNet Concentrator with PowerLine communications module

19" housing

329.3117 · 2 x 3 phase / 400 V





Description Art. no.

BlueNet BN2000 accessories

329.3104 · Combined temperature and humidity sensor 2.0 m cable

# BlueNe

## Accessories

### Mounting kits for IT PDUs

- $\cdot\,$  Power strip is fixed by insertion into the profile groove provided.
- · No additional screws required

Art. no. Version

### 1 U mounting brackets

Zero U Space

940.143 · Mounting brackets left and right

### 1 U link

Zero U Space

800.0053 · For connecting two vertically fitted PDUs

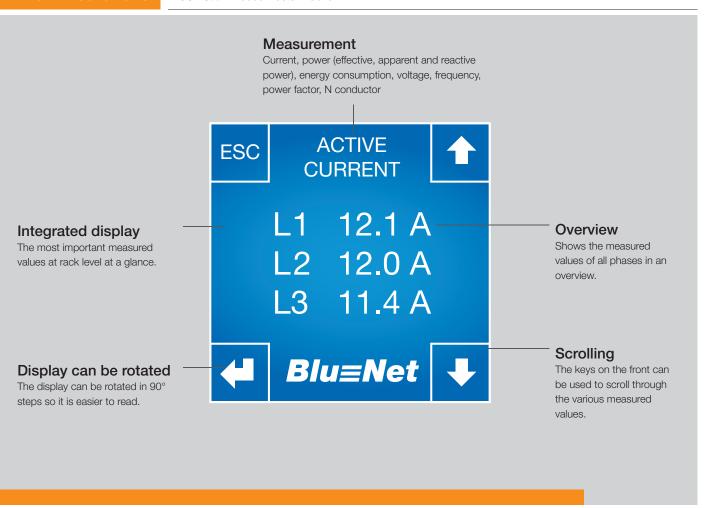


### Connecting cables for power supply

Cable cross-section mm²	Cable length (m)	Plug	Coupling	Art. no.	Cable colour
1.0	0.50	C14	C13	356.119	black
1.0	0.75	C14	C13	356.169	black
1.0	1.00	C14	C13	356.120	black
1.0	1.50	C14	C13	356.127	black
1.0	2.00	C14	C13	356.171	black
1.5	0.50	ECP*	C13	356.172	black
1.5	0.75	ECP*	C13	356.1721	black
1.5	1.00	ECP*	C13	356.1722	black
1.5	1.50	ECP*	C13	356.1723	black
1.5	2.00	ECP*	C13	354.127	black
1.5	0.50	C20	C19	356.1731	black
1.5	0.75	C20	C19	356.1732	black
1.5	1.00	C20	C19	356.1733	black
1.5	1.50	C20	C19	356.183	black
1.5	2.00	C20	C19	356.1735	black
1.5	0.50	ECP*	C19	356.1971	black
1.5	0.75	ECP*	C19	356.1972	black
1.5	1.00	ECP*	C19	356.1973	black
1.5	1.50	ECP*	C19	356.1974	black
1.5	2.00	ECP*	C19	356.1975	black

Art. no.	Cable colour
356.900	grey
356.901	grey
356.902	grey
356.903	grey
356.904	grey
356.905	grey
356.906	grey
356.907	grey
356.908	grey
356.909	grey
356.910	grey
356.911	grey
356.918	grey
356.935	grey
356.936	grey
356.937	grey
356.938	grey
356.939	grey
356.940	grey
356.941	grey





## BlueNet BN3000 master / slave 16-32 A / 230-400 V / 50 Hz

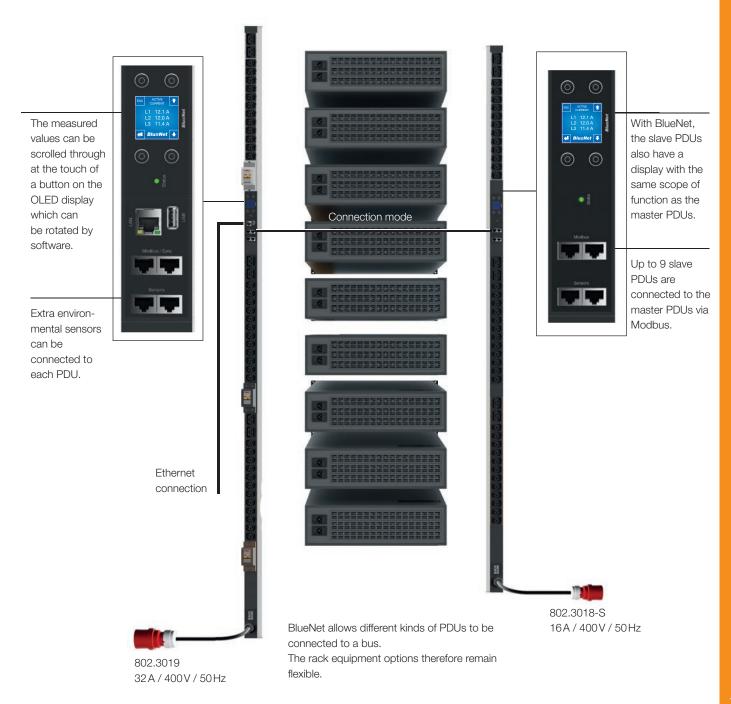


BlueNet BN3000 is the next generation of BlueNet products. An optimised shape factor, PDUs that can be cascaded via Modbus and a rotatable OLED display create the ideal basis for the energy monitoring system of the future.

The data centre's mains supply is monitored and remotely controlled from the comfort of your desk with BlueNet Network products. BlueNet increases data centre availability, minimises down times and cuts costs. BlueNet monitors current, voltage and power. This allows resources to be planned efficiently and alarms to be issued in the event of faults.

- $\cdot$  PDUs can be cascaded via Modbus, just one Ethernet connection is needed for 10 PDUs
- · Incredibly compact design (1 U wide x 60 mm deep), rotatable OLED display
- · Robust housing made from torsionally rigid aluminium profile
- · 1-phase and 3-phase versions
- · 3.6 kW 22 kW power range
- · Coloured phase assignment of socket inserts
- · Measurement of: current, power (effective, apparent and reactive power), energy consumption, voltage, frequency,
- · power factor, N conductor
- · Measurement per phase
- · Option for connecting external sensors (temperature / air humidity)
- · Operated locally or using web browser via Ethernet port
- · Protocols: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- · Accuracy of measurement +/- 1 %
- · Internal consumption < 4 W

## BlueNet BN3000 master / slave 16-32 A / 230-400 V / 50 Hz



### BlueNet BN3000 master / slave

16-32A/230-400V/50Hz

NEW	Article number	Article number for slave variant	Cable type	Cable cross-section mm²	Cable length (m)	Plug	Phase(s)	Rated voltage (V)	Current (A)	Max power in kVA	C13	C19	SOEC**	Outlets in total
	802.3004	802.3004-S	H05VV-F	2.5	3	CEE*	1	230	16	3.7	16	4	0	20
	802.3005	802.3005-S	H05VV-F	4	3	CEE	1	230	32	7.4	16	4	0	20
	802.3006		H05VV-F	2.5	3	CEE	1	230	16	3.7	16	0	4	20
	802.3007		H05VV-F	4	3	CEE	1	230	32	7.4	16	0	4	20
	802.3008		H05VV-F	2.5	3	CEE	3	400	16	11.0	0	6	0	6
	802.3009		H05VV-F	4	3	CEE	3	400	32	22.1	0	6	0	6
	802.3010		H05VV-F	2.5	3	CEE	3	400	16	11.0	18	3	0	21
	802.3011		H05VV-F	2.5	3	CEE	3	400	16	11.0	18	0	3	21
	802.3012	802.3012-S	H05VV-F	2.5	3	CEE	3	400	16	11.0	24	6	0	30
	802.3013	802.3013-S	H05W-F	4	3	CEE	3	400	32	22.1	24	6	0	30
	802.3014		H05VV-F	2.5	3	CEE	3	400	16	11.0	24	0	6	30
	802.3015		H05VV-F	4	3	CEE	3	400	32	22.1	24	0	6	30
	802.3016		H05VV-F	2.5	3	CEE	3	400	16	11.0	24	6	6	36

available from stock

802.3010
802.3012
802.3013

### Connecting cables for power supply

Art. no.	Cable colour	Cable cross- section mm <sup>2</sup>	Cable length (m)	Plug	Coupling
356.119	black	1.0	0.50	C14	C13
356.169	black	1.0	0.75	C14	C13
356.120	black	1.0	1.00	C14	C13
356.127	black	1.0	1.50	C14	C13
356.171	black	1.0	2.00	C14	C13
356.172	black	1.5	0.50	ECP*	C13
356.1721	black	1.5	0.75	ECP*	C13
356.1722	black	1.5	1.00	ECP*	C13
356.1723	black	1.5	1.50	ECP*	C13
354.127	black	1.5	2.00	ECP*	C13
356.1731	black	1.5	0.50	C20	C19
356.1732	black	1.5	0.75	C20	C19
356.1733	black	1.5	1.00	C20	C19
356.183	black	1.5	1.50	C20	C19
356.1735	black	1.5	2.00	C20	C19
356.1971	black	1.5	0.50	ECP*	C19
356.1972	black	1.5	0.75	ECP*	C19
356.1973	black	1.5	1.00	ECP*	C19
356.1974	black	1.5	1.50	ECP*	C19
356.1975	black	1.5	2.00	ECP*	C19
356.900	grey	1.0	0.50	C14	C13
356.901	grey	1.0	0.75	C14	C13
356.902	grey	1.0	1.00	C14	C13
356.903	grey	1.0	1.50	C14	C13
356.904	grey	1.0	2.00	C14	C13
356.905	grey	1.5	0.50	ECP*	C13
356.906	grey	1.5	0.75	ECP*	C13
356.907	grey	1.5	1.00	ECP*	C13
356.908	grey	1.5	1.50	ECP*	C13
356.909	grey	1.5	2.00	ECP*	C13
356.910	grey	1.5	0.50	C20	C19
356.911	grey	1.5	0.75	C20	C19
356.918	grey	1.5	1.00	C20	C19
356.935	grey	1.5	1.50	C20	C19
356.936	grey	1.5	2.00	C20	C19
356.937	grey	1.5	0.50	ECP*	C19
356.938	grey	1.5	0.75	ECP*	C19
356.939	grey	1.5	1.00	ECP*	C19
356.940	grey	1.5	1.50	ECP*	C19
356.941	grey	1.5	2.00	ECP*	C19





















# Maximum availability and safety with BlueNet RESIDUAL CURRENT MONITORING (RCM)

Using residual current monitoring allows changes in the level of insulation to be detected at an early stage before protective devices are tripped by a high residual current, that puts people at risk and involves the risk of fire. This time advantage allows countermeasures to be planned and contributes to the high availability of the power supply and therefore the system. Thanks to the Bachmann BlueNet PDU, this residual current monitoring isn't just undertaken at central measuring points, but on the socket outlets of every consumer. This standard-compliant residual current technology, the result of a joint development with Bender, provides a high physical granularity, maximum safety and high availability. This AC / DC sensitive technology monitors all kinds of residual current in modern power supplies with switching power. The new BlueNet residual current PDU is therefore particularly suited to use in IT.

Permanent monitoring is absolutely essential in modern information technology. Continuous monitoring equipment reduces the work involved in statutory repeat tests. In accordance with accident prevention guidelines (BGV A3), the testing dates for measuring insulation can be adapted to suit actual circumstances and optimise costs using permanent RCM. DIN VDE 0100-410 (Protective measures – protection from electric shock) is also applied as prescribed by law for final circuits of up to 20 A without use of an RCD, which may result in undesired switching off.

The BlueNet residual current monitor is able to record residual currents of 5 mA and higher. Residual current activation values can be set in the BlueNet software. BlueNet Software reliably signals instances where these values are exceeded. All measured values are transferred to superordinate monitoring systems via the Ethernet interface. A local display in the PDU also provides information about all important measured values. This setup ensures that the availability of the power supply has absolute priority at all times and that the system is not unexpectedly cut off in the event of errors.

The BlueNet technology also allows a master-slave network to be installed, saving installation costs and minimising the administration work involved.

The benefits at a glance

### Greater safety for people, operations and systems:

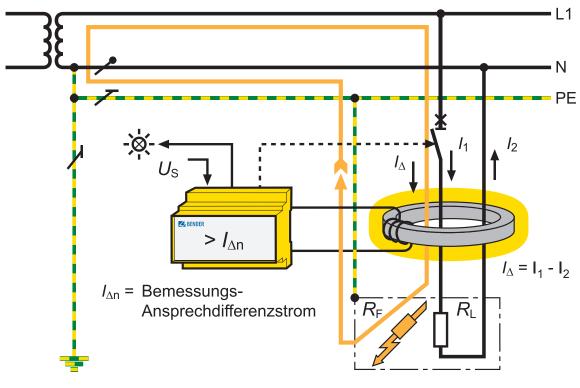
- · Early detection of data loss and network failure
- DIN VDE 0100-410 is applied as prescribed by law for final circuits of up to 20A without use of an RCD
- · Recording of residual currents at the consumer socket outlet directly for the fastest possible error localisation
- · Preventative safety to protect people from the hazards caused by electric current
- · Faults and unexpected interruptions to the operation of sensitive equipment are minimised
- · Insulation errors in newly installed systems and devices are detected immediately
- · Permanent monitoring of systems and operating equipment
- · TN-S systems are monitored for additional unwanted N-PE bridges

### More cost-effective

- Continuous monitoring equipment reduces the work involved in repeat tests.
   In accordance with §5 of the accident prevention guidelines BGV A3, the testing dates for measuring insulation can be adapted to suit actual circumstances using permanent RCM
- · No expensive and unscheduled system downtimes and service interventions

### Greater fire protection

· Combustible residual currents are recognised as they arise





Article number	Article number for slave variant	Cable type	Cable cross-section mm²	Cable length (m)	Plug	Phase(s)	Rated voltage (V)	Current (A)	Max power in kVA	C13	C19	SOEC**	Outlets in total	from stock	
															NEW
802.3022		H05VV-F	2.5	3	CEE	3	400	16	11.0	18	3	0	21	OR	
802.3023		H05VV-F	2.5	3	CEE	3	400	16	11.0	18	0	3	21	OR	
802.3024	802.3024-S	H05VV-F	2.5	3	CEE	3	400	16	11.0	24	6	0	30	OR	
802.3025	802.3025-S	H05VV-F	4	3	CEE	3	400	32	22.1	24	6	0	30	OR	



## BlueNet Switched

### Power distribution units

- · Socket outlets can be switched individually
- · Safe zero-voltage switching
- · Integrated LED switching status check per port
- · Integrated Ethernet connection
- · Operated via a web browser
- · Includes the following protocols: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust aluminium housing

### BlueNet Switched PDU 1-phase (16A / 230V / 50Hz)

Dimensions (L x W x D) Art. no. Version BlueNet Switched 1-phase 19", 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact 329.700  $\cdot$  8 x IEC320 non-heating appliance socket C13 482.6 x 44 x 199 mm 329.702 · 6 x socket outlet with earthing contact 482.6 x 44 x 199 mm Zero U Space, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact · 16 x IEC320 non-heating appliance socket C13 692 x 44 x 199 mm

### BlueNet Switched PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

· In the 32 A versions of the Switched PDUs, each 32 A per phase is split over two groups of pots with two MCBs.

Dimensions (L x W x D) Art. no. Version

### **BlueNet Switched 3-phase** 3.0 m Ölflex 3G 4 mm<sup>2</sup>, black, with CEE plug 32 A red

· 12 x IEC320 non-heating appliance socket C19 1202 x 44 x 207 mm

329.704

# BlueNet Managed Power distribution units

- · Socket outlets can be switched individually
- · Safe zero-voltage switching
- · Integrated LED switching status check per port
- $\cdot$  Integrated Ethernet connection
- · Operated via a web browser
- · Integrated measurement of current, effective power, voltage, frequency and phase angle
- $\cdot$  Includes the following protocols: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
- · Robust aluminium housing
- · Illuminated LCD

### BlueNet Managed PDU

Art. no. Version	Dimensions (L x W x D)
BlueNet Managed 1-phase	
3.0 m H05VV-F 3G1.5 mm <sup>2</sup>	
329.806 · 4 x socket outlet with earthing contact	482.6 x 44 x 207 mm

### BlueNet Managed PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

 $\cdot$  In the 32 A versions of the Managed PDUs each 32 A phase is split over two groups of pots with two MCBs.

Art. no.	Version	Dimensions (L x W x D)	
BlueNet M	anaged 3-phase		
3.0 m H05\	V-F 5G 4 mm <sup>2</sup> , black, with CEE plug 32 A red		
329.800	· 24 x IEC320 non-heating appliance socket C13	1713 x 44 x 207 mm	V
	· 6 x IEC320 non-heating appliance socket C19		
329.801	· 12 x IEC320 non-heating appliance socket C19	1202 x 44 x 207 mm	
329.802	· 24 x socket outlet with earthing contact	1713 x 44 x 207 mm	

329.802





## BlueNet BN2000 Inline 16-32A/230-400V/50Hz



The BlueNet BN2000 Inline is an easy-to-install intelligent system for monitoring and displaying energy use. The product is particularly suited to data centres and industrial applications. The BlueNet BN2000 Inline can be quickly and cheaply integrated in existing and new infrastructures using the integrated terminal block or the connection cable that has already been fitted.

- · Integrated measurement of current, voltage, frequency, effective, apparent and reactive power and power factor
- · Integrated Ethernet connection
- · Operated via a web browser
- · Protocols: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- $\cdot$  Display on backlit rolling LC display
- · Integrated temperature sensor
- · Up to 2 sensors can be connected (see page 55)
- · Robust enclosure in steel plate
- · High-resolution TFT display
- $\cdot$  Software can be used to turn the display to make it easier to read
- · Can be reconnected with terminal block
- · Removable mounting plate for cable ducts or wall mounting







Designed for use in production, the BlueNet BN2000 Inline series is ideal for production facilities.

### BlueNet BN2000 Inline

Art. no.	Phases	Voltage V	Current A	Power in kVA	from stock	Dimensions (mm)
329.3032	1	230	16	3.7	yes	232 x 104 x 102
329.3033	3	400	16	11.0	yes	232 x 104 x 102
329.3037	3	400	32	22.1	yes	232 x 104 x 102



329.3032



329.3033

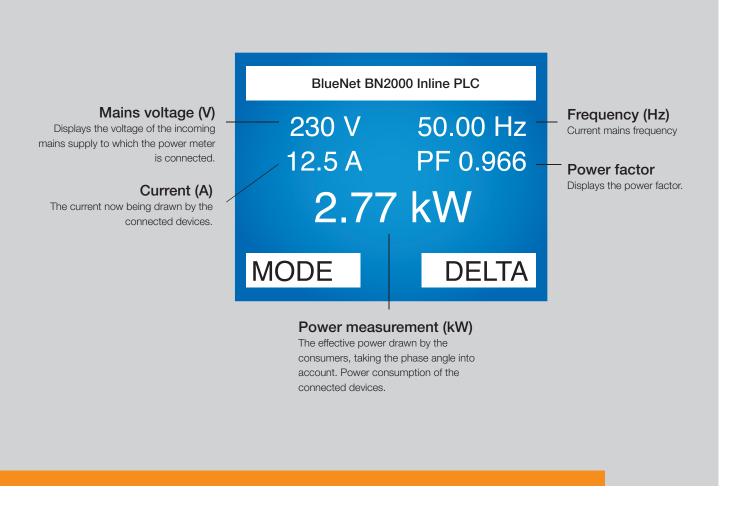
### BlueNet BN2000 accessories

Art. no. Description

BlueNet BN2000 accessories

329.3104 · Combined temperature and humidity sensor 2.0 m cable





## BlueNet BN2000 Inline PLC

(PowerLine communication) 16-32A/230-400V/50Hz

The BlueNet BN2000 Inline is an easy-to-install intelligent system for monitoring and displaying energy use. The product is particularly suited to data centres and industrial applications. The BlueNet BN2000 Inline can be quickly and cheaply integrated in existing and new infrastructures using the integrated terminal block or the connection cable that has already been fitted.

- · Integrated measurement of current, voltage, frequency, effective, apparent and reactive power and power factor
- · Integrated Ethernet connection
- · Operated via a web browser
- · Protocols: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- · Display on backlit rolling LC display
- · Integrated temperature sensor
- · Up to 2 sensors can be connected
- · Robust enclosure in steel plate
- · High-resolution TFT display
- $\cdot$  Software can be used to turn the display to make it easier to read
- · Can be reconnected with terminal block
- · Removable mounting plate for cable ducts or wall mounting
- · Other mounting plates available on request
- · PowerLine Communication allows measurement data to be queried via the mains supply without an Ethernet connection

## BlueNe

### BlueNet BN2000 Inline PLC

Art. no.	Phases	Voltage V	Current A Power in kVA from		from stock	Dimensions (mm)
329.3060	1	230	16	3.7	OR	232 x 104 x 102
329.3061	3	400	16	11.0	OR	232 x 104 x 102
329.3062	1	230	32	7.4	OR	232 x 104 x 102
329.3063	3	400	32	22.1	OR	232 x 104 x 102







329.3061

### BlueNet PowerLine Concentrator

The BlueNet PowerLine Concentrator collects the data from the PowerLine PDUs and supplies it to the network via the Ethernet interface.

Art. no. Version



19" housing

329.3117 · 2 x 3 phase / 400 V



### BlueNet BN2000 accessories

Art. no. Description

BlueNet BN2000 accessories

329.3104 · Combined temperature and humidity sensor 2.0 m cable





### BlueNet Power Unit 2 U

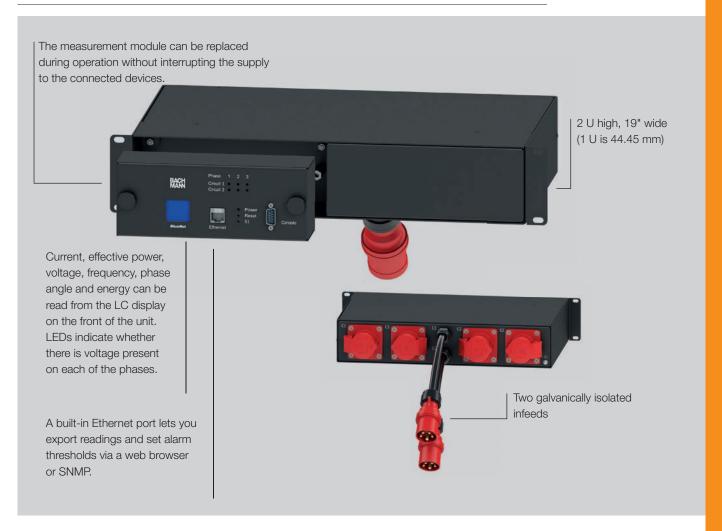
(Modular) 16-32A / 230-400V / 50 Hz

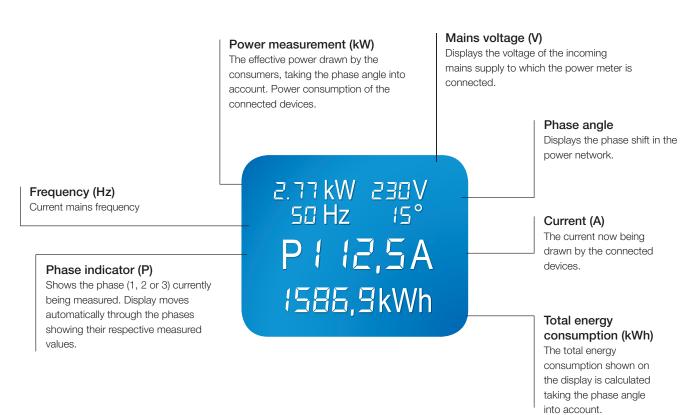
The BlueNet Power Unit offers a modular platform for power distribution in data centres.

The Power Unit base unit provides power distribution in the rack. If necessary, the measurement module can be retrofitted or replaced during operation without interrupting the supply.

- · 3.6 kW 44 kW power range, 1 phase (CEE or IEC320) or 3 phases
- · 2 galvanically isolated infeeds (16-32 A / 230-400 V)
- · Up to four outputs on the rear (IEC320 or CEE)
- · Measurement of: current per phase & in total, effective power per phase & in total, voltage, frequency, phase angle
- · Energy consumption, N conductor
- · Operated via web browser
- · Active issuing of alarms by e-mail or SNMP Trap
- · Encrypted data communication
- · Protocols: HTTP, HTTPS, SNMP, SMPT, NTP, SSH, Ethernet 100 MBit/s
- · Display on backlit rolling LC display
- · Robust 19" enclosure in steel plate with just 2 U
- · Accuracy of measurement +/- 1 %

### BlueNet Power Unit





### BlueNet Power Unit

16A/230V/50Hz

Sample system for 2 x 16 A/230 V = 7.2 kW (1.8kW per C19 output)

BlueNet Power Unit with measurement module Art. no. 329.9015 and 329.9010

**Supply A** 16 A / 400 V / 50 Hz

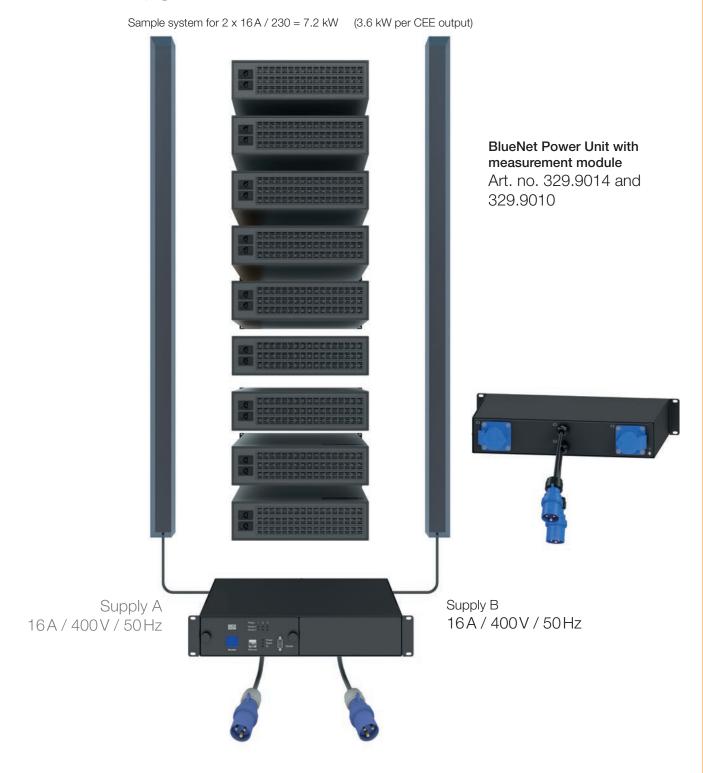


Plug-in energy distribution system including measurement module for blade systems, switches etc. with high power consumption per port.

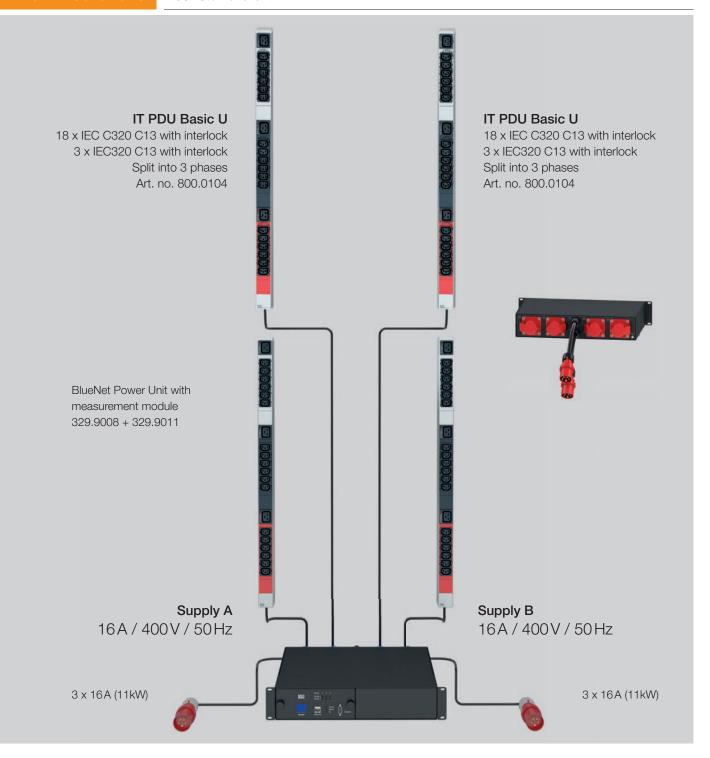
 $2\ x\ C20$  inputs and  $2\ x\ C19$  outputs on the rear.

- · Up to 4 consumers can be directly connected via C19 plugs
- · Ideal for combination with blade PDUs or a smaller number of servers in the rack
- $\cdot$  2 galvanically isolated C20 infeeds, 400 V / 16 A / 50 Hz each
- $\cdot$  Measurement module can be replaced during operation (plug-and-play)
- · Integrated power metering
- · Ethernet interface with integral web server
- · Excellent value for money
- · Modest space requirement (2 U)

## Upgrade solution



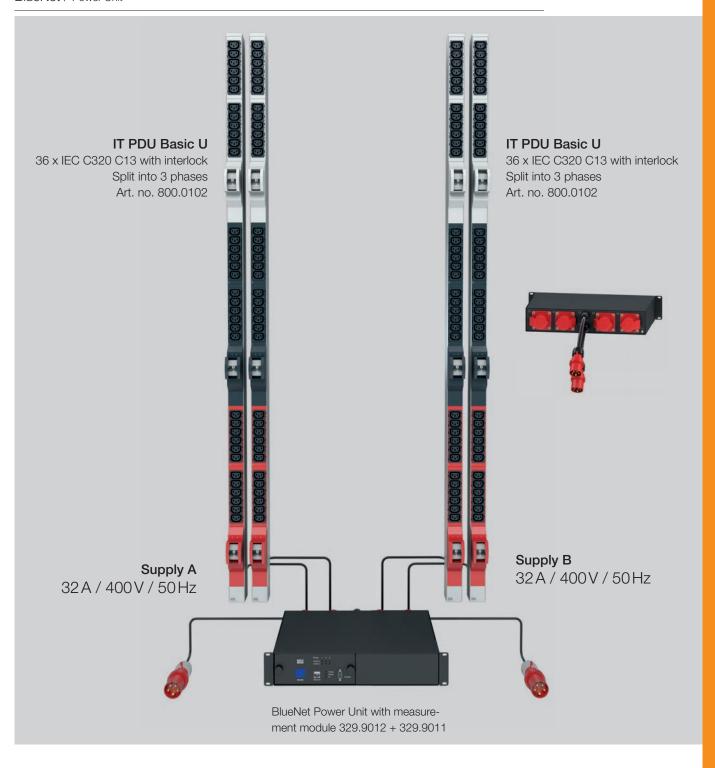
- $\cdot$  2 galvanically isolated infeeds, 400 V / 16 A / 50 Hz each
- · Measurement module can be replaced during operation (plug-and-play)
- · Modest space requirement (2 U)
- · Easy to upgrade using plug connector
- · Phase-level monitoring (current, voltage, power, power factor)
- · Monitoring of neutral conductor



### BlueNet Power Unit

16A/400V/50Hz Sample system for  $2 \times 3 \times 16 A/400V = 22 kW$  (5.5kW per Basic PDU)

- $\cdot$  Up to 4 consumers can be directly connected via C19 plugs
- $\cdot$  Up to 4 multiple-socket outlets can be connected
- · Ideal for combination with blade PDUs or a smaller number of servers in the rack
- $\cdot$  2 galvanically isolated C20 infeeds, 400 V / 16 A / 50 Hz each
- · Measurement module can be replaced during operation (plug-and-play)
- · Integrated power metering
- $\cdot$  Ethernet interface with integral web server
- · Excellent value for money
- · Modest space requirement (2 U)



Sample system for  $2 \times 3 \times 32 \text{ A} / 400 \text{ V} = 44 \text{ kW}$  (11kW per Basic PDU)

- · Ideal for combination with PDUs with built-in MCB C16A circuit breakers
- $\cdot$  Up to 4 multiple-socket outlets can be connected
- $\cdot$  Cabling and installation kept to a minimum with 400 V / 32 A supply cables
- $\cdot$  2 galvanically isolated CEE infeeds, 400 V / 16 A / 50 Hz each
- $\cdot$  Measurement module can be replaced during operation (plug-and-play)
- · Integrated power metering
- · Ethernet interface with integral web server
- · Excellent value for money
- · Modest space requirement (2 U)

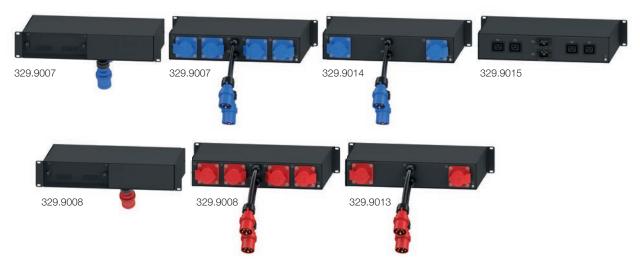


The measurement module can be replaced during operation without interrupting the supply to the connected devices.



### BlueNet Power Unit base unit (measurement module is available separately)

Art. no.	Input	Output	
BlueNet Pov	wer Unit		482.6 x 88 x 317 mm
2 x 1 phase 2	230 V		
329.9007	· 2 x 3.0 m CEE 16A / 230 V	· 4 x CEE 16 A / 230 V	
329.9014	· 2 x 3.0 m CEE 16 A / 230 V	· 2 x CEE 16 A / 230 V	
329.9015	· 2 x C20 16 A / 230 V	· 4 x C19 16A / 230 V	
329.9016	· 2 x C20 16 A / 230 V	· 2 x C19 16A / 230 V	
2 x 3 phase 4	400 V		
329.9008	· 2 x 3.0 m CEE 16A / 400 V	· 4 x CEE 16 A / 400 V	
329.9013	· 2 x 3.0 m CEE 16A / 400 V	· 2 x CEE 16 A / 400 V	
329.9009	· 2 x 3.0 m CEE 32 A / 400 V	· 4 x CEE 32 A / 400 V	
329.9012	· 2 x 3.0 m CEE 32 A / 400 V	· 2 x CEE 32 A / 400 V	



### BlueNet Power Unit (measurement module)

Art. no. Version

BlueNet Pov	wer Unit Monitored Pl
0	ed Ethernet interface
	· 16 - 32 A / 230 V
329.9011	· 16 - 32 A / 400 V





### BlueNet Power Unit set (base unit + measurement module)

Art. no.	Input	Output
BlueNe	et Power Unit	482.6 x 88 x 317 mm
2 x 1 ph	nase 230 V	
329.90	001 · 2 x 3.0 m CEE 16 A / 230 V	· 4 x CEE 16 A / 230 V
2 x 3 ph	nase 400 V	
329.90	002 · 2 x 3.0 m CEE 16 A / 400 V	· 4 x CEE 16 A / 400 V
329.90	003 · 2 x 3.0 m CEE 32 A / 400 V	· 4 x CEE 32 A / 400 V



### BlueNet Power Unit 3 U

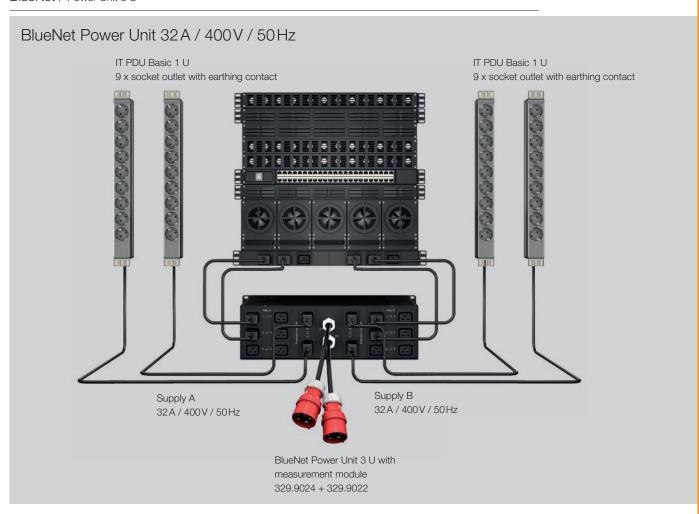
including integrated fuses (modular) 16-32 A / 230-400 V / 50 Hz

BlueNet POWER UNIT offers a modular platform for power distribution in data centres.

The POWER UNIT base unit provides power distribution in the rack. If necessary, the measurement module can be retrofitted or replaced during operation without interrupting the supply.

Our 3 U Power Unit is a modular platform for meeting the individual needs of modern data centres.

- · 3.6 kW 44 kW power range, 1 phase (CEE or IEC320) or 3 phases,
- $\cdot$  2 galvanically isolated infeeds (16-32 A / 230-400 V)
- · Measurement of: current per phase & in total, effective power per phase & in total, voltage, frequency, phase angle, energy consumption, N conductor
- · Operated via web browser
- · Active issuing of alarms by e-mail or SNMP Trap
- · Encrypted data communication
- · Protocols: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTP
- · Display on backlit rolling LC display
- $\cdot$  Robust 19" enclosure in steel plate
- · Accuracy of measurement +/- 1 %
- · Fused with up to 12 circuit breakers
- · Integrated fuse monitoring



### BlueNet Power Unit 3 U (basic unit)

including 12 integrated C16A miniature circuit breakers (measurement module available separately)

Art. no. Input Output

BlueNet Power Unit 3 U base unit	482.6 x 88 x 317 mm
2 x 32 A / 400 V	
329.9024 · 2 x 3 m CEE 32 A / 400 V	· 16 x IEC320 C19 with IEC lock



### BlueNet Power Unit 3 U (basic unit + measurement module)

Art. no. Input

### BlueNet Power Unit 3 U measurement module

with integrated Ethernet interface

329.9022 · 16 - 32 A / 400 V



- $\cdot$  Up to 16 consumers or PDUs can be directly connected via C19 plugs
- $\cdot$  Ideal for use in the Blade Center Rack or racks which combine Blade Centers and regular servers
- $\cdot$  2 galvanically isolated infeeds, 400 V / 32 A / 50 Hz each
- · Measurement module can be replaced during operation (plug-and-play)
- · Phase-level monitoring (current, voltage, power, power factor)
- · Ethernet interface with integral web server
- · Excellent value for money

### Accessories

### Mounting kits for IT PDUs

 $\cdot$  The brackets are screwed to the PDU end cap using a screw connection (screws provided).

Art. no.

Version



#### 1 U mounting brackets

· Mounting brackets left and right

### > 1 U mounting brackets

940.096

· Mounting brackets left and right

### Mounting brackets for VM profile variant / universal installation

- · Power strip is fixed by insertion into the profile groove provided
- $\cdot$  No additional screws required

Art. no.

Version

### 1 U mounting brackets

940.141

· Mounting brackets left and right

### 1 U mounting brackets

940.143

· Mounting brackets left and right

### 1 U link

800.0053 · For connecting two vertically fitted PDUs



### Locking clip

Art. no.

Version



· Red locking clip for IEC 320 non-heating appliance socket outlets C13, supplied in packs of 12



# Accessories

### Connecting cables for power supply

Art. no.	Cable colour	Cable cross- section mm <sup>2</sup>	Cable length (m)	Plug	Coupling
356.119	black	1.0	0.50	C14	C13
356.169	black	1.0	0.75	C14	C13
356.120	black	1.0	1.00	C14	C13
356.127	black	1.0	1.50	C14	C13
356.171	black	1.0	2.00	C14	C13
356.172	black	1.5	0.50	ECP*	C13
356.1721	black	1.5	0.75	ECP*	C13
356.1722	black	1.5	1.00	ECP*	C13
356.1723	black	1.5	1.50	ECP*	C13
354.127	black	1.5	2.00	ECP*	C13
356.1731	black	1.5	0.50	C20	C19
356.1732	black	1.5	0.75	C20	C19
356.1733	black	1.5	1.00	C20	C19
356.183	black	1.5	1.50	C20	C19
356.1735	black	1.5	2.00	C20	C19
356.1971	black	1.5	0.50	ECP*	C19
356.1972	black	1.5	0.75	ECP*	C19
356.1973	black	1.5	1.00	ECP*	C19
356.1974	black	1.5	1.50	ECP*	C19
356.1975	black	1.5	2.00	ECP*	C19
356.900	grey	1.0	0.50	C14	C13
356.901	grey	1.0	0.75	C14	C13
356.902	grey	1.0	1.00	C14	C13
356.903	grey	1.0	1.50	C14	C13
356.904	grey	1.0	2.00	C14	C13
356.905	grey	1.5	0.50	ECP*	C13
356.906	grey	1.5	0.75	ECP*	C13
356.907	grey	1.5	1.00	ECP*	C13
356.908	grey	1.5	1.50	ECP*	C13
356.909	grey	1.5	2.00	ECP*	C13
356.910	grey	1.5	0.50	C20	C19
356.911	grey	1.5	0.75	C20	C19
356.918	grey	1.5	1.00	C20	C19
356.935	grey	1.5	1.50	C20	C19
356.936	grey	1.5	2.00	C20	C19
356.937	grey	1.5	0.50	ECP*	C19
356.938	grey	1.5	0.75	ECP*	C19
356.939	grey	1.5	1.00	ECP*	C19
356.940	grey	1.5	1.50	ECP*	C19
356.941	grey	1.5	2.00	ECP*	C19



















### Locking cap IEC320 C13 & C19

Art. no. Version

### Connecting cable for interlock

800.0050	· C19 locking caps, 10 items incl. unlocking tool
800.0051	· C13 locking caps, 10 items incl. unlocking tool
000 0050	Unlooking tool for looking oon

### RackFix tool-free mounting on 19" rail

· Self-locking fixing connector for tool-free fastening of PDUs in 19" rack



Art. no. Version

### RackFix tool-free rack fastening

940.166	· Fixing clip, supplied in packs of 50
940.167	· Disassembly tool for fixing clip

### Shift inhibitor

· To protect against unintentional actuation of miniature or residual current circuit breakers





### Shift inhibitor

Art. no.	Length	Version
----------	--------	---------

	1	I
CAT5e patc	h cable plug	ı/plug
918.003	1.0 m	· CAT5e cable, shielded, colour grey
940.052	3.0 m	· Conforms to ISO / IEC 11801 and EN 50173
940.053	5.0 m	<ul> <li>Ends 1 and 2: RJ45 plug with protective rubber sleeve and protective tongue for interlock</li> <li>Suitable for e.g. CAT5e socket / socket 940.057</li> </ul>



### CAT6 patch cable plug / plug

940.040	CAT6 cable, shielded, colour grey	3.0 m	
940.041	Conforms to ISO / IEC 11801 and EN 50173	5.0 m	
	Ends 1 and 2: RJ45 plug with protective rubber sleeve and		
	protective tongue for interlock		
	Suitable for e.g. CAT6 socket / socket 940.044		
	Conforms to ISO / IEC 11801 and EN 50173  Ends 1 and 2: RJ45 plug with protective rubber sleeve and protective tongue for interlock		



### CAT6a patch cable plug / plug

918.006	1.0 m	· CAT7 cable, shielded, colour black
918.007	3.0 m	· Conforms to IEC 61156-6
918.008	5.0 m	· Ends 1 and 2: RJ45 Hirose TM12 CAT6a plug with
		protective rubber sleeve and unlocking tongue
		· Suitable for e.g. CAT6 socket / socket 940.044



### CAT6a patch cable plug

918.033	3.0 m	· CAT7 cable, shielded, colour black
918.034	5.0 m	· Conforms to IEC 61156-6
		· End 1: RJ45 Hirose TM12 CAT6a plug with protective rubber sleeve and
		unlocking tongue. End 2: CAT6a TKM 10 GB keystone socket.
		• Fits into keystone frame 917,000 / 917,001 / 917,061 / 917,062



### RJ12 patch cable plug / plug

940.089	

3.0 m

· RJ12 cable, unshielded, colour black

- · Conforms to ISO / IEC 11801 and EN 50173
- · Ends 1 and 2: RJ12 plug with protective rubber sleeve
- · Suitable for e.g. RJ12 socket / socket 940.085



Desk connection panels

# **FACILITY SOLUTIONS**

1	CONFERENCE	84
13	Practical power and data supply. Recessed in the top of the desk or table when not in use. Simply press down with your thumb to open the unit. Features a spring clip, can be closed once cables have been connected.	
	TOP FRAME	88
	TOP FRAME is the new power and data supply solution for conference facilities.  Cover can be completely recessed, allowing power and data to be conveniently accessed from any around the table.	
100	CONI	94
	Unrestricted access to power and data at the table or desk. Integrated into the work surface together with connected cables. The integrated brush insert prevents cables jamming.	
NE	™ CONI DUO	98
	CONI twin pack. Designed especially for use with small meeting tables, which have energy and data connections on opposite sides.	
	CONI COVER	. 102
	Elegant access to separate power supply units under the desk or table. Also ideal for retrofitting. Features integrated brush insert, can be closed even with connecting cables plugged in.	
10 aa ()	POWER FRAME COVER	. 104
	The amazing evolution of the POWER FRAME. An elegant and attractive aluminium cover which matches the aesthetic of stylish offices or conference rooms.	
13.0 m	POWER FRAME	. 106
	For an integrated power and data supply to workstations. Versatile application options. The power strip simply clicks into the built-in frame.	
	TWIST	. 110
	Exceptionally compact power strip and space-saving cable management. TWIST is flat enough not to interfere with units installed underneath. Winner of the Red Dot Product Design Award 201 and other awards.	12
	ELEVATOR	. 112
	Designed for a standard hole diameter of 79 mm, ELEVATOR is a compact powerhouse. Recessed in the top of the desk or table when not in use, simply touch to raise.	
	LIFT	. 114
	A practical combination of sophisticated looks and precision mechanical design. Recessed in the top of the desk or table when not in use. Simply touch to raise. Docking options on four sides.	<del>)</del>

DESK 1	.118	ESS
Ideal where workstations have to be flexible. Modular design for individual configuration of communication and power supply connections. Fixed or free-standing installation.	. 1 10	333
DESK 2	.128	1000 = 77
The new generation of the Desk range, with superior design credentials. The modularit for which Bachmann is renowned ensures adaptability to future requirements.		
STEP  For flexible power and data supply at workstations, in partition systems, false floors, etc. Consistent modularity means that the possibilities are virtually endless		Source i
UNIVERSAL	. 140	
Complete unit for electrical, data and media connections on desks and conference tables		
Custom modules		
Custom modules	. 142	C
The word custom appears in this catalogue wherever the modules can be flexibly interchanged. Custom modules: Bachmann FACILITY SOLUTIONS can be adapted to perfectly match individual requirements for data, video and audio connections.		70,30
Media technology		
Media Express  Plug-and-play for simplicity and efficiency	. 174	
LanLight®, the smart supply system		
LanLight® system overview	. 184	
Basic unit and inserts Connecting plates for power and data	. 188	
Lift covers	100	-
Modern floor boxes for dry-cleaned floors	. 190	
Pillars  Mobile pillars for power and data distribution in raised and false floors	. 191	
Consolidation points		
CONSOLIDATION POINTS	. 192	
Underfloor distributors for power and data	- —	( E5 55 55
Accessories, cables & cable management	. 196	-

# World of opportunities

## Function modules can be integrated ex factory



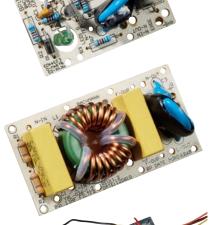
#### Anti-theft bracket

This stainless steel look bracket is a permanent fixture and allows a Kensington lock to be attached. Anti-theft protection for mobile hardware such as laptops, desktop PCs, projectors, LCD screens, tablets, etc.



### Overvoltage protection

These days the failure of electrical and electronic equipment is a real nightmare scenario. Protection against excess electric voltage is more important than ever for electrical and electronic equipment. "24/7 availability" is now essential for many users. Don't worry: the Bachmann strip with built-in overvoltage protection is the answer.



### Mains and frequency filters

Mains and frequency filters ensure effective screening and smoothing of the input voltage. Only "clean" voltage gets through our mains and frequency filters. Voltage stabilisation and the filtering out of disturbance frequencies allows the connected device to run properly and smoothly.



### Loudspeaker module

Make direct broadcasts - without making a lot of noise. A Bachmann loudspeaker module used for a presentation, video or phone conference allows you to make direct broadcasts. The overall volume of the indirect broadcast can therefore be reduced significantly. Our modules are available in 8 ohm and also 100 Vtechnology.



#### USB hub 3.0

The USB 3.0 hub is an active component. It has a plug mains adaptor, that supplies the connected USB devices with power.

### USB 3.0 keystone module

The USB keystone module supports USB 3.0 and allows data to be transferred at high speed. Three different socket/socket combinations are available for different configurations.



### USB charger

The USB charger component has 2 ports with max. 2.15 A. Integrated in Bachmann products, the ability to charge mobile devices using the universal USB charger is very convenient and the integrated mains adaptor frees up socket outlets too.



#### Residual current circuit breaker / miniature circuit breaker

The residual current circuit breaker / miniature circuit breaker integrated in a Bachmann strip gives you peace of mind. The user can select between the two circuit breakers. But they can of course be combined too.



### Data switch

Small, compact and can be integrated in Bachmann power strips: the high-speed network data switch provides PoE (Power over Ethernet) for selected devices.



### Automatic switchoff

The automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours. Switching equipment off completely is no longer left to chance: power saving now begins as soon as the workstation PC is shut down. The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since virtually no standby current is drawn by the master device and total power consumption during on-working hours is zero.

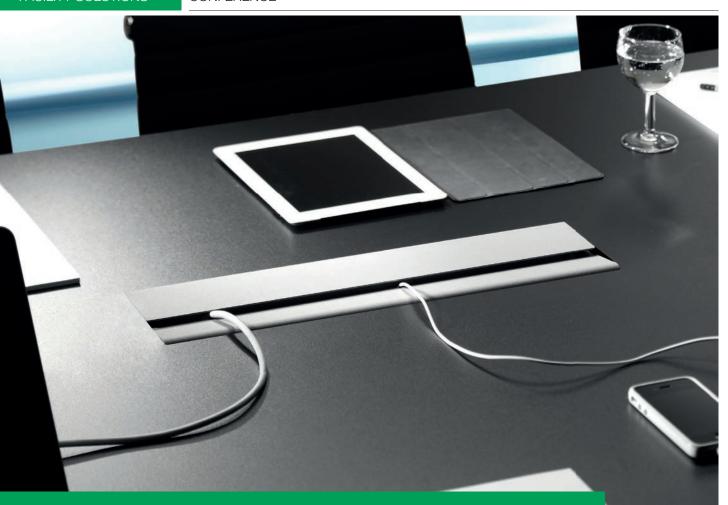




You can also use the product configurator at bachmann.com

Bachmann products provide solutions that are as individual as life itself.





### CONFERENCE Setting a design standard

Ideal for conference and training desks, tables and high-grade workstations alike, CONFERENCE is a truly refined and discreet solution for individual access to power and data connections.

When not in use, CONFERENCE is hidden in the top of the desk or table. When you need power or data, simply press with your finger to release the magnetic catch. The opening flap then swings up. Once you have connected your notebook, projector, microphone, etc. you can close the flap again. The narrow closing flap opposite this adapts to the inserted cables - nothing is squashed and the desk or table stays looking as elegant as before.

- $\cdot$  Integrated into your desktop or tabletop
- · Simply press with your finger to open
- · Flap can be closed with cables plugged in
- $\cdot$  For both surface mounting (e.g. if retrofitting) and flush mounting
- · Can be fitted flush with the tabletop
- · Suitable for veneer finishing
- $\cdot$  Configuration can be freely selected (see custom modules from page 136)
- · Complete power strip can be quickly interchanged

CONFERENCE built-in frames are available both for surface mounting (e.g. if retrofitting) and for flush mounting in the tops of desks and tables. When installed under a desk or table, the opening and closing flaps are flush with the tabletop or desktop. As we can supply flaps in virtually every coating imaginable, and even ready for veneer finishing, on request, CONFERENCE is able to meet the most stringent of requirements when it comes to design elegance and configuration harmony.

Select exactly which configuration of CONFERENCE data connections suits your particular requirements. Power strips can also be interchanged quickly, and at any time, without the need for tools. Maximum functionality and top-end design can therefore be adapted to advances in communication technology for many years to come.



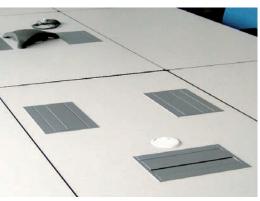


Simply press with your finger to open CONFERENCE. Thanks to its flexible closing flap, the unit can even be closed once devices have been plugged in without crushing the cables.





### CONFERENCE - as versatile as you need.



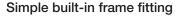








The dimensions of the cut-out are included in the frame packaging materials. They are also available by e-mail or can be downloaded from www.bachmann.com



The built-in frame is very easy to install - only standard tools are required. Simply cut a rectangular hole in the top of your desk or table.

### **Frameless**

CONFERENCE under-table mounting frames (frameless) are fitted from the underside of the tabletop. Therefore, only the pivoting flaps are visible on the tabletop. The drawings showing how to accurately produce the table or desk cut-outs are supplied with the unit or can be found in the download area at .www.bachmann.com. If required, use the integrated bayonet catch to remove the flaps from the frame. You can also customise the flaps to match the finish of your tabletop up to 2 mm or desktop by applying a suitable veneer (this is not done ex works).



### Power strip simply clicks into place

The power strip is not supplied with the built-in frame and must be ordered separately.

It simply clicks into the built-in frame (tools are not required). Since the power strip can be interchanged at any time, the user is guaranteed long-term flexibility and adaptability to future requirements.

### CONFERENCE with frame

- $\cdot$  Chamfered side panels, can be flush-mounted on desk or table surface
- · Includes quick-change mechanism for swapping power strips
- · Includes fixing claws and fitting instructions with cut-out dimensions

Art. no. Version

#### **CONFERENCE** built-in frame, short

338.0201

- Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm
- · Built-in depth: 110 mm



Moonstone metallic

· Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm

· Built-in depth: 110 mm



### **CONFERENCE** built-in frame, short

Silver grey, similar to RAL9006

338.0219 · Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm

· Built-in depth: 110 mm



### CONFERENCE built-in frame, long

Silver grey, similar to RAL9006

· Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm 338.0221

· Built-in depth: 110 mm



Figure: Similar colour used

### CONFERENCE built-in frame, short

Chrome effect finish · Outer dimensions: approx. 284.6 x 182.4 mm, built-in dimensions: approx. 268.6 x 166.4 mm

· Built-in depth: 110 mm



### CONFERENCE built-in frame, long

Outer dimensions: approx. 466.1 x 182.4 mm, built-in dimensions: approx. 450.1 x 166.4 mm

· Built-in depth: 110 mm

### **CONFERENCE** frameless

Art. no. Version

### CONFERENCE built-in frame for below table, short

Silver grey, similar to RAL9006

338.0231

338.0212

- · Dimensions (visible surface): approx. 261.5 x 119 mm
- · Built-in depth: 107 mm



### CONFERENCE built-in frame for below table, long

Silver grey, similar to RAL9006

338.0230

- · Dimensions (visible surface): approx. 442.5 x 119 mm
- · Built-in depth: 107 mm



You will find power strips suitable for CONFERENCE and TOP FRAME on pages 92 and 93



### TOP FRAME

### Perfect elegance

TOP FRAME is the new power and data supply solution for conference facilities. Cover can be completely recessed, allowing power and data to be conveniently accessed from any seat around the table. TOP FRAME's balanced geometry fits elegantly into the tabletop, so even high-quality veneers can be applied to the tables or desks.

TOP FRAME is also elegantly simple to open: just press lightly with a finger and it opens and closes again - silently.

- $\cdot$  Access to power supply and data from any seat
- $\cdot \ \mathsf{Opens} \ \mathsf{silently}$
- · Integrated into your desktop or tabletop
- $\cdot$  Can be fitted flush with the tabletop
- · Version with surround frame suitable for retrofitting
- · Suitable for veneer finishing
- $\cdot$  Configuration can be freely selected
- · Complete power strip can be quickly interchanged

The surrounding frame also makes TOP FRAME ideal for retrofitting. The power strips can, of course, be interchanged in a flash and can be fitted with Bachmann's flexible custom modules.

Various different versions of TOP FRAME are available:

in EV1 anodised aluminium or silver grey similar to RAL 9006 powder-coated. Other surface finishes are available on request. A veneer of up to 0.6 mm can also be glued to the flap without having to adjust the dimensions of the cut-out.

The power strip clips into the frame without tools. A short version of the power strip with 4 modules, and a long version with 8 modules are available, to suit both TOP FRAME solutions.





TOP FRAME opens silently and can also be conveniently operated from the seat opposite.

### TOP FRAME frameless

· Includes fixing accessories

TOP FRAME cover



Version



E base	Black
E base without flap, black powder-coated housing	
· 4-way	
· Dimensions (L x W x H): approx. 300 x 92 x 98 mm	
· 8-way	
· Dimensions (L x W x H): approx. 482.5 x 92 x 98 mm	
	base without flap, black powder-coated housing  · 4-way  · Dimensions (L x W x H): approx. 300 x 92 x 98 mm  · 8-way



TOP FRAME	cover	blasted and EV1 anodised
TOP FRAME	blasted and anodised cover, with fixing screws	
925.0044	· 4-way	
	· for mounting on TOP FRAME base (art. no. 925.100)	
925.0034	· 8-way	
	$\cdot$ for mounting on TOP FRAME base (art. no. 925.101)	



TOP FRAME	Ecover	blasted and black anodised
	blasted and black anodised cover, with fixing screws	
925.0047	4-way     for mounting on TOP FRAME base (art. no. 925.100)	
	· for mounting on TOP FRAME base (art. no. 925.100)	
925.0049	8-way     for mounting on TOP FRAME base (art. no. 925.101)	
	· for mounting on TOP FRAME base (art. no. 925.101)	

EV1 anodised



	EV Fallouised cover, with fixing screws
925.0022	· 4-way
	· for mounting on TOP FRAME base (art. no. 925.100)
925.0023	
	· for mounting on TOP FRAME base (art. no. 925.101)

### TOP FRAME with frame

· Includes fixing accessories

Art. no. Version

TOP FRAME, short

Silver grey similar to RAL 9006

Asymmetrical surround frame, for 4-way power strip 925.500 · Aluminium flap, silver grey similar to

- · Aluminium flap, silver grey similar to RAL9006, black powder-coated housing
- · Dimensions (L x W x H): approx. 340.5 x 162 x 98.35 mm



**TOP FRAME, long** 

Silver grey similar to RAL 9006

Asymmetrical surround frame, for 8-way power strip

925.501

- · Aluminium flap, silver grey similar to RAL9006, black powder-coated housing
- · Dimensions (L x W x H): approx. 523 x 162 x 110 mm



TOP FRAME, short

Silver grey similar to RAL 9006

Symmetrical surround frame, for 4-way power strip

925.800

- $\cdot$  Aluminium flap, silver grey similar to RAL9006, black powder-coated housing
- $\cdot$  Dimensions (L x W x H): approx. 400.5 x 192 x 98.35 mm



TOP FRAME, long

Silver grey similar to RAL 9006

Symmetrical surround frame, for 8-way power strip

925.801

- · Aluminium flap, silver grey similar to RAL9006, black powder-coated housing
- $\cdot$  Dimensions (L x W x H): approx. 583 x 192 x 98.35 mm



You will find power strips suitable for CONFERENCE and TOP FRAME on the next two pages

### 4-way power strips for CONFERENCE / TOP FRAME

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version





С	4-way: 2 x	custom module + power socket outlets	Length: approx. 260 mm
1	Anodised alu	uminium profile; power input: GST18i3 plug, power output: GST18i3 socket	
	909.003	$\cdot$ 2 x socket outlet with earthing contact, shuttered, black, set at 35 $^{\circ}$	
	909.010	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	
+	909.017	· 2 x Swiss / CH socket outlet, black, set at 0°	
	909.029	· 2 x Italian / earthing contact combination, black, set at 35°	



C	4-way: 1 x c	ustom module + power socket outlets	Length: approx. 260 mm
	Anodised alu	minium profile; power input: GST18i3 plug, power output: GST18i3 socket	
	909.004	$\cdot$ 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
	909.011	$\cdot$ 3 x French / UTE socket outlet, shuttered, black, set at 35°	
	909.058*	· 3 x Italian / earthing contact combination, black, set at 35°	
	909.0023*	$\cdot$ 2 x UK 3.15 A individually fused, shuttered, black, set at 45°	
	Anodised alu	ıminium profile; 0,3 m GST18 extension	
+	909.018	· 4 x Swiss / CH socket outlet, black, set at 0°, incl. Wieland T distributor	



С	4-way: 4 x c	ustom module	Length: approx. 260 mm
	Anodised alu	minium profile; without power connection	
	909.000	· without socket outlets	



C 4-way: 1 x USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets L: approx. 260 mm

Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.0056 · 2 x socket outlet with earthing contact, shuttered, black, set at 35°

· 1 x USB double charger, 1 x custom module 909.0059

 $\cdot\,$  2 x French / UTE socket outlet, shuttered, black, set at 35° · 1 x USB double charger, 1 x custom module

### 8-way power strips for CONFERENCE / TOP FRAME

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

U C 8-way: 1 x USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket 909.0057 · 3 x socket outlet with earthing contact, shuttered, black, set at 35°



· 1 x USB double charger, 4 x custom module 909.0060 · 3 x French / UTE socket outlet, shuttered, black, set at 35°

· 1 x USB double charger, 4 x custom module

· 3 x UK 3.15 A individually fused, shuttered, black, set at 45°

· 1 x USB double charger, 2 x custom module

909.0058



<sup>\*</sup> No storage type

### 8-way power strips for CONFERENCE / TOP FRAME

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

8-way: 6 x c	custom module + power socket outlet	Length: approx. 444 mm
Anodised alu	uminium profile; power input: GST18i3 plug, power output: GST18i3 socket	
909.005	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°	-
909.012	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	
909.033*	· 2 x Swiss / CH socket outlet, black, set at 0°	+

8-way: 5 x c	custom module + power socket outlet	Length: approx. 444 mm
Anodised alu	minium profile; power input: GST18i3 plug, power output: GST18i3 socket	
909.006	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
909.013	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
909.0029	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°	N / 71 N

8-way: 4 x c	custom module + power socket outlet	Length: approx. 444 mm C	
Anodised alu	ıminium profile; power input: GST18i3 plug, power output: GST18i3 socket		
909.007	· 4 x socket outlet with earthing contact, shuttered, black, set at 35°	[	
909.014	· 4 x French / UTE socket outlet, shuttered, black, set at 35°		
909.019*	· 5 x Swiss / CH socket outlet, black, set at 0°	<b>⊕</b>	
909.050*	· 4 x Italian / earthing contact combination, black, set at 35°		
909.0028	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°		

8-way: 3 x c	ustom module + power socket outlet	Length: approx. 444 mm
Anodised alu	minium profile; power input: GST18i3 plug, power output: GST18i3 socket	
909.008	· 5 x socket outlet with earthing contact, shuttered, black, set at 35°	_
909.015	· 5 x French / UTE socket outlet, shuttered, black, set at 35°	
909.020*	· 6 x Swiss / CH socket outlet, black, set at 0°	+
909.0027	· 3 x UK 3.15 A individually fused, shuttered, black, set at 45°	

8-way: 2 x c	custom module + power socket outlet	Length: approx. 444 mm C
Anodised alu	minium profile; power input: GST18i3 plug, power output: GST18i3 socket	A STATE OF THE PARTY OF THE PAR
909.009	· 6 x socket outlet with earthing contact, shuttered, black, set at 35°	
909.016	· 6 x French / UTE socket outlet, shuttered, black, set at 35°	100
909.0026	· 4 x UK 3.15 A individually fused, shuttered, black, set at 45°	8 Z

8-way: 8	c custom module	Length: approx. 444 mm C
Anodised a	aluminium profile; without power connection	
909.001	· without socket outlets	

### CONFERENCE guide rail set

Art. no. Version

CONFERENCE guide rail set

For power strips (pages 92 - 93)

940.099

Guide rail, plastic, black

 $\cdot$  Incl. 2 countersunk head screws 2.9 x 13 mm with Torx to DIN 7982



\* No storage type





### CONI Integrated functionality

CONI brings flexibility to the desktop, for example in conference and training rooms. CONI facilitates unrestricted individual access to power, media and data right on the tabletop or desktop. Minimal installation depth means there is no reduction in leg room under the desk or table, even where the units are fitted near the edge. A wide range of standard surface finishes also provides the freedom to design.

- $\cdot$  Integrated into your desktop or tabletop
- · Minimum built-in depth, robust frame design
- $\cdot$  Integrated brush insert for closing once cables have been plugged in
- · Configuration can be freely selected (see custom modules from page 142)
- · Complete power strip can be quickly interchanged
- · Suitable for retrofitting

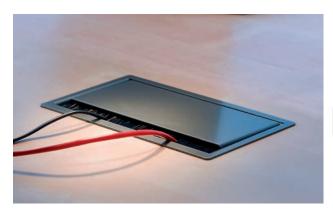
When not in use, CONI integrates into the surface of the desk or table. When you need power, data or media, simply open the cover, plug into a socket and close the cover again. The integrated brush insert prevents the cables from jamming. The harmonious appearance of an "even" table is retained.

Configuration of CONI data connections can be freely selected (see custom modules from page 142). Power strips can also be interchanged quickly, and at any time, without the need for tools. Integrated functionality and flexibility not just for today but also for the advances of tomorrow.





CONI provides unrestricted access to power, media and data supplies. Thanks to the integrated brush insert, the cover can be closed once devices have been connected without jamming the cables.





#### Installed with ease

The built-in frame is very easy to install - only standard tools are required. Simply make a cut-out in the top of your desk or table. Then just tighten the 4 fixing claws tighten with a screwdriver and secure the built-in frame within the desk or table.

### CONI built-in frame, short and long version

Built-in depth is 56 mm, suitable for desktop or tabletop thicknesses of 10 mm and above. They have an R5 corner radius, which enables them to be flushmounted in desks or tables.

The black brush strips can easily be replaced with colour strips; no tools are required. Simply remove the built-in frame from the top of the desk or table and unscrew the 3 re-usable plastic rivets.





Art. no.	Version
----------	---------

CONI, short		Silver grey, similar to RAL9006
338.0203	· Dimensions approx. 248 x 151 mm	





CONI, short	Anthracite, similar to RAL7016

338.0204 · Dimensions approx. 248 x 151 mm

CONI, long		Anthracite, similar to RAL7016
338.0206	Dimensions approx. 386.5 x 151 mm	



CONI, short		Chrome look
338 0214	Dimensions approx 248 x 151 mm	

CONI, long		Chrome look
338.0227	· Dimensions approx. 386.5 x 151 mm	



#### CONI, short White, similar to RAL9010 · Dimensions approx. 248 x 151 mm 911.000

ı	Colu, long		Wille, Similar to MALSOTO
	911.001	· Dimensions approx. 386.5 x 151 mm	



#### Black, similar to RAL9005 CONI, short · Dimensions approx. 248 x 151 mm 911.002

CONI, long Black, similar to RAL9005 · Dimensions approx. 386.5 x 151 mm

	Ground stainless steel
248 x 151 mm	
	248 x 151 mm



CONI, long	Ground stainles	s steel
911.005	· Dimensions approx. 386.5 x 151 mm	

### CONI bracket

- · For mounting CONI power strips without using a built-in frame. Can, for example, be installed under a desktop or tabletop in a cable tray. Standard chipboard screws (which can be purchased from all good retailers) are required for mounting.
- · Takes account of the rear-side outlet and bending radii of power and data connections.

Art. no. Version

### CONI bracket, tall

#### 918.002

- · Black
- · 2 items in plastic bag
- · Distance between floor and socket outlet profile: 30 mm
- $\cdot$  Distance between floor and top edge of multiple-socket outlet: 74 mm



### CONI holder

- · For optional mounting on CONI built-in frame (short and long version)
- · Allows excess lengths of cable to be stowed when plugged in
- · Easy to fit by hooking into built-in frame (already fitted), using plastic rivets supplied
- · Small extra built-in depth of approx. 20 mm in addition to depth of built-in frame



Art. no. Version

CONI holder		
911.910	· Version for CONI built-in frame, short	
911.913	· Version for CONI built-in frame, long	



### CONI brushes

Art. no. Version

	I server.		
CONI brush strip, short			
911.900	· Red		
911.901	· Blue		
911.903	· Yellow		
911.904	· Black		



CONI brush	CONI brush strip, long		
911.905	· Red		
911.906	· Blue		
911.907	· White		
911.908	· Yellow		
911.909	· Black		



### NEW

### **CONI DUO**

CONI DUO is ideal for narrow conference and training desks and tables. CONI DUO provides simple and unimpeded access to power, media and data connections on the table or desk from two sides. There is no reduction in leg room under the desk or table.

When not in use, CONI DUO integrates fully into the surface of the desk or table. When you need power, data or media, simply open one of the two covers, plug into the desired socket and close the cover again. The brush insert prevents the cables from jamming. The harmonious appearance of an "even" table is retained. Configuration of CONI DUO data connections can be freely selected (see custom modules from page 142). Power strips can also be interchanged quickly, and at any time, without the need for tools. Integrated functionality and maximum flexibility not just for today but also for the advances of tomorrow.

- · Access from 2 opposite sides
- · Just one desk or table cut-out needed
- $\cdot$  Integrated into your desktop or tabletop
- · Minimum built-in depth, robust frame design
- · Integrated brush insert for closing once cables have been plugged in

### CONI DUO, short and long version

The name says it all: CONI twin pack.

Designed especially for use with small meeting tables, which have energy and data connections on opposite sides.



### CONI DUO built-in frame short 6-way: 2 x 3-way

Outer dimensions: approx.: 505 x 151 mm

### CONI DUO built-in frame long 12-way: 2 x 6-way

Outer dimensions: approx.: 782 x 151 mm

Art. no. Version

CONI DUO
Silver grey, similar to RAL9006 NEW
6-way, short
911.026 · Dimensions approx. 505 x 151 mm



12-way, long

911.025 · Dimensions approx. 782 x 151 mm

CONI DUO
6-way, short
911.028 · Dimensions approx. 505 x 151 mm

12-way, long
911.029 · Dimensions approx. 782 x 151 mm



#### 3-way power strips for CONI

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

1	CHI
100	N. O. I.

С	3-way: 2 x c	sustom module + power socket outlet	Length: approx. 217 mm
	Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	
	912.002	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	912.009	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	
+	912.016	· 1 x Swiss / CH socket outlet, black, set at 0°	
	912.0055*	· 1 x Italian / earthing contact combination, black, set at 35°	
	912.0080	· 1 x UK 3.15 A individually fused, shuttered, black, set at 90°	



(	0	3-way: 1 x c	ustom module + power socket outlets	Length: approx. 217 mm
		Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	
		912.003	· 2 x socket outlet with earthing contact, black, set at 35°	
		912.010	$\cdot$ 2 x French / UTE socket outlet, shuttered, black, set at $35^{\circ}$	
	+	912.015	$\cdot$ 3 x Swiss / CH socket outlet, black, set at $0^{\circ}$	
+		912.037*	· 1 x socket outlet with earthing contact, black, set at 35°,	
			· 1 x Swiss / CH socket outlet, black, set at 0°	
N	J //	912.045	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°	



### C 3-way: 1 x custom module + power socket outlets, black and red Length: approx. 217 mm

Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black)

912.023\*

• 1 x socket outlet with earthing contact, black, set at 35°

• 1 x socket outlet with earthing contact, red, set at 35°



### 3-way: 2 x CAT5e + power socket outlets

Length: approx. 217 mm

Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug
333.1008

• 2 x socket outlet with earthing contact, black, set at 35°
• 2 x CAT5e RJ45, front: socket / rear: socket



**3-way: Power socket outlets**Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug

333.1007 · 3 x socket outlet with earthing contact, black, set at 35°



### 3-way: 3 x custom module

Length: approx. 217 mm

Length: approx. 217 mm

Anodised aluminium profile; without power connection 912.000 · without socket outlets



Art. no. Version

### U C 3-way: 1 x USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets Length: approx. 217 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug

912.0167 1 x socket outlet with earthing contact, shuttered, black, set at 35°

· 1 x USB double charger (5.2 V/2.15 A), 1 x custom module

1 x USB double charger (5.2 V/2.15 A), 1 x custom module
 912.0156
 2 x socket outlet with earthing contact, shuttered, black, set at 35°

 $\cdot$  1 x USB double charger (5.2 V/2.15 A), 1 x custom module



<sup>\*</sup> No storage type

#### 6-way power strips for CONI

Power cables and custom modules are available separately. See glossary for country-specific information.

6-way: 5 x custom module + power socket outlet Length: approx. 356 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug · 1 x socket outlet with earthing contact, shuttered, black, set at 35° 6-way: 4 x custom module + power socket outlet Length: approx. 356 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug · 2 x socket outlet with earthing contact, shuttered, black, set at 35° 912.005 912.011 · 2 x French / UTE socket outlet, shuttered, black, set at 35° · 3 x Swiss / CH socket outlet, black, set at 0° 912.017 6-way: 3 x custom module + power socket outlet Length: approx. 356 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug 912.006 · 3 x socket outlet with earthing contact, shuttered, black, set at 35° 912.012 · 3 x French / UTE socket outlet, shuttered, black, set at 35° 912.018 · 4 x Swiss / CH socket outlet, black, set at 0° 912.022  $\cdot$  3 x UK 3.15 A individually fused, shuttered, black, set at 90 $^{\circ}$ 6-way: 2 x custom module + power socket outlet Length: approx. 356 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug 912.007 · 4 x socket outlet with earthing contact, shuttered, black, set at 35° 912.013 · 4 x French / UTE socket outlet, shuttered, black, set at 35° 912.019 · 5 x Swiss / CH socket outlet, black, set at 0° 912.035\* · 1 x socket outlet with earthing contact, black, set at 35° + · 3 x Swiss / CH socket outlet, black, set at 0° 912.0221  $\cdot$  4 x UK 3.15 A individually fused, shuttered, black, set at  $90^\circ$ 6-way: 1 x custom module + power socket outlet Length: approx. 356 mm Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug 912.008 · 5 x socket outlet with earthing contact, shuttered, black, set at 35° 912.014 · 5 x French / UTE socket outlet, shuttered, black, set at 35° 912.021  $\cdot$  4 x UK 3.15 Å individually fused, shuttered, black, set at  $90^\circ$ 6-way: 3 x custom module + power socket outlet, black and red Length: approx. 356 mm Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black) 912.024 · 1 x socket outlet with earthing contact, shuttered, black, set at 35° · 2 x socket outlet with earthing contact, shuttered, red, set at 35° 6-way: 2 x custom module + power socket outlet, black and red Length: approx. 356 mm Anodised aluminium profile; power input: 2 x 0.1 m cable (black and red) and GST18i3 plug (black) · 2 x socket outlet with earthing contact, black, set at 35° · 2 x socket outlet with earthing contact, red, set at 35° 6-way: 6 x custom module Length: approx. 356 mm C Anodised aluminium profile; without power connection 912.001 · without socket outlets Version Art. no.

6-way: 1 x U	ISB double charger (5.2 V/2.15 A) + custom modules + power socket outlets	Length: approx. 356 mm	CU
Anodised alu	ıminium profile; power input: 0.1 m cable and GST18i3 plug		
912.0168	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°		
	· 1 x USB double charger, 3 x custom module		
912.0169	· 3 x Swiss / CH socket outlet, black, set at 90°		+
	· 1 x USB double charger, 3 x custom module		
912.0172	· 2 x French / UTE socket outlet, shuttered, black, set at 35°		
	· 1 x USB double charger, 3 x custom module		
912.0280	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°		
	· 1 x USB double charger, 3 x custom module		103



## CONI COVER

### Easy access

CONI COVER is an elegant way of accessing separate power supply units or standard cable installation systems under the tops of desks and tables. It is ideal, for example, for desks and tables with built-in cable ducts. CONI COVER can, of course, also be retrofitted to existing equipment.

To access the connections under the desktop or tabletop, the cover of the CONI COVER simply has to be opened. Thanks to the integrated brush insert, the cover can even be closed again with devices connected. The harmonious appearance of an "even" table is retained.

CONI COVER, the refined cover for practical solutions - access couldn't be easier!

- · Compatible with all makes of duct and furniture
- · Ideal for retrofitting
- · Integrated brush insert for closing even when cables are connected

Both short and long versions of CONI COVER built-in frames are available. They have an R5 corner radius, which enables them to be flush-mounted in desks or tables. The built-in depth of 24 mm is suitable for a minimum desktop or tabletop thickness of 16 mm. Frame is fixed to the tabletop is with 4 screws. These are screwed on, from the inside, through corresponding holes on the long sides of the built-in frame. Fitting instructions and cut-out dimensions are supplied with the unit.

#### **CONI COVER built-in frame short**

Outer dimensions: 248 x 149 mm

#### **CONI COVER built-in frame long**

Outer dimensions: 387 x 149 mm

Art. no. Version

CONI COVE	R, short	Silver grey, similar to RAL9006
338.0081	· Dimensions approx. 248 x 149 mm	
CONI COVE	R, long	Silver grey, similar to RAL9006

338.0080 · Dimensions approx. 387 x 149 mm



CONI COVER, short		White satin, similar to RAL9010
911.500	· Dimensions approx. 248 x 149 mm	
CONI COVE	R, long	White satin, similar to RAL9010

911.501 · Dimensions approx. 387 x 149 mm



CONI COVER, short		Black, similar to RAL9005
911.502	· Dimensions approx. 248 x 149 mm	
CONI COVE	ER, long	Black, similar to RAL9005
911.503	· Dimensions approx. 387 x 149 mm	



# CONI COVER and STEP. The expandable combination.

The modular design of the STEP power strips puts everything you need for your specific, customised supply of power and data at your fingertips. CONI COVER with its integrated brush insert provide access that is both fast and elegant.





Easy access to all power supply units located under the tabletop or desktop - for example to modular STEP power strips.

You will find STEP multiple-socket outlets on page 142





### POWER FRAME COVER

Who'd have thought power could be so elegant?

POWER FRAME COVER is the elegant and compact power and data supply solution. The POWER FRAME COVER has an attractive aluminium cover, designed especially for conference and office environments with a strong design element, which also protects power and data connections from dust and dirt. When the cover is fully open, both sides of the table or desk offer unimpeded access.

- · Design piece made from anodised aluminium
- $\cdot$  For conference tables and desks
- $\cdot$  Access to power supply and data from any seat
- · Dust protection
- · Versatile: can be combined with socket outlets and data/audio/video modules

### POWER FRAME COVER

Art. no. Version

	ı	
POWER FR	Dimensions approx. 255 x 87 x 8 mm	
3-way black Power Frame (art. 915.000), with aluminium flap, for gluing into desk or table		
915.500	· Aluminium	
915.503	· Aluminium, painted in white similar to RAL9010	
915.501	· Aluminium, painted in stainless steel	
915.022	· Aluminium, black anodised E1/C35 and brushed	



### POWER FRAME COVER 4-way

Dimensions approx. 298 x 87 x 8 mm

4-way black	Power Frame (art. 915.004), with aluminium flap, for gluing into desk or table
915.502	· Aluminium



Dimensions approx. 382 x 87 x 8 mm

6-way black Power Frame (art. 915.006), with aluminium flap, for gluing into desk or table

915.504 · Aluminium



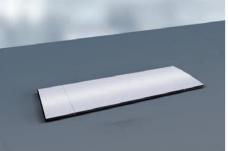
Only power strips with evenly flush custom modules can be used in conjunction with the POWER FRAME COVER.

### You will find suitable power strips on pages 108 and 109











### POWER FRAME

### Compact and efficient

POWER FRAME is an easily accessible unit for supplying electricity to workstations. The power strip clicks into the built-in frame and can be interchanged or fitted with custom modules as required.



- · Compact dimensions
- · Suitable for retrofitting
- · Timeless design
- · Versatile to use
- · Rapid installation of complete power strips

POWER FRAME is the compact solution for integrated and easily accessible power and data connections for workstations.

They can be either factory fitted or supplied for retrofitting.

Combining compact dimensions with high-quality timeless design, POWER FRAME opens up virtually unlimited application options that go far beyond the realm of office workstations. Such as in sales showrooms and display windows and at trade fair and demonstration stands.

In short, wherever secure and rapid connections are the order of the day.

Your chosen power strip simply plugs into the built-in frame from below without tools - a stroke of perfection.

POWER FRAME, for a more compact and more efficient solution.





POWER FRAME is the solution for easy-to-access power and data connections at workstations and elsewhere. The power strip simply clicks into the built-in frame from below.



### Built-in frame

	Art. no.	Version	
À	POWER FR	AME 3-way built-in frame	Length: approx. 241 x 73 mm
	317.000	· Silver-grey similar to RAL9006	
	317.001	· Stainless steel	
	915.000	· Black similar to RAL9005	
	915.001	· White similar to RAL9010	
	POWER FR	AME 4-way built-in frame	Length: approx. 283.5 x 73 mm
	317.006	· Silver-grey similar to RAL9006	
	915.004	· Black similar to RAL9005	
	915.005	· White similar to RAL9010	
	Power Fram	ne 6-way built-in frame	Length approx. 368.5 x 73 mm
	317.007	Silver-grey similar to RAL9006	

### Plastic power strips, 3-way

Black similar to RAL9005

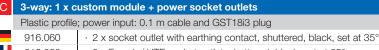
White similar to RAL9010

Art. no. Version

915.006 915.003



С	3-way: 2 x c	ustom module + power socket outlet	Length: approx. 220 mm
	Plastic profile	; power input: 0.1 m cable and GST18i3 plug	
	916.061	$\cdot$ 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	916.063	· 1 x French / LITE socket outlet, shuttered, black, set at 35°	







Plastic profile; power input: 0.1 m cable and GST18i3 plug

317.117 · 3 x socket outlet with earthing contact, shuttered, black, set at 35°

916.059 · 3 x French / UTE socket outlet, shuttered, black, set at 35°



### Plastic power strips, 4-way

Art. no. Version



0	4-way. cust	off filodule + power socker outlets	Lengui. approx. 2
	Black plastic	; power input: 0.1 m cable and GST18i3 plug	
	916.0601	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°	
		· 2 x cover for custom module	
	916.0611	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
		· 3 x cover for custom module	

### Aluminium power strips, 3-way

Art. no. Version



С	3-way: 2 x c	ustom module + power socket outlets	Length: approx. 220 mm
	Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	
	916.001	$\cdot$ 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	916.003	$\cdot$ 1 x French / UTE socket outlet, shuttered, black, set at $35^\circ$	
+	916.005*	· 1 x Swiss / CH socket outlet, black, set at 0°	
	916.091	$\cdot$ 1 x UK 3.15 A individually fused, shuttered, black, set at 90°	

Length: approx. 220 mm

POWER FF	RAME / Power strips		
3-way: 1 x c	sustom module + power socket outlets	Length: approx. 220 mm	
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug		
916.000	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°		10
916.002	· 2 x French / UTE socket outlet, shuttered, black, set at 35°		
916.004*	· 3 x Swiss / CH socket outlet, black, set at 0°	+	
916.082	$\cdot$ 2 x UK 3.15 A individually fused, shuttered, black, set at 90°	N /2 N	
3-way: 2 x C	CAT5e + power socket outlets	Length: approx. 220 mm	
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug		0.0
317.101	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°		
	· 2 x CAT5e RJ45, front: socket / rear: socket		
3-way: Pow	er socket outlets	Length: approx. 220 mm	
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug		15.9
317.100	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°		(3.)
317.102	· 3 x French / UTE socket outlet, shuttered, black, set at 35°		
916.1129	· 3 x UK 3.15 A individually fused, shuttered, black, set at 90°	N Z	
3-way: 3 x c	ustom module	Length: approx. 220 mm	
Anodised alu	minium profile; without power connection		
916.010	· Without socket outlets		
3-way: 1 x L	ISB double charger (5.2 V/2.15 A) + 1 x custom module + power sock	et outlets L: approx. 220 mm	U
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug		101
916.0039	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°		
916.0042	· 1 x French / UTE socket outlet, shuttered, black, set at 35°		
916.0510	$\cdot$ 1 x UK 3.15 A individually fused, shuttered, black, set at 90°		
3-way: 1 x U	ISB double charger (5.2 V/2.15 A) + power socket outlets	Length: approx. 220 mm	U
	minium profile; power input: 0.1 m cable and GST18i3 plug		
916.0040	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°		Va.
			-
ower strip	os, 4-way		
Art. no.	Version		
4-way: 1 x U	ISB double charger (5.2 V/2.15 A) + 2 x custom module + power socke	t outlets L: approx. 261.9 mm	U
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug		
916.0041*	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°		
			Ver
	custom module + power socket outlets	L: approx. 261.9 mm	MCO.I
	minium profile; power input: 0.1 m cable and GST18i3 plug	II	60
916.047	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	N/A	
916.0821	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°		
ower strip	os, 6-way		
Art. no.	Version		
ALL TIU.	VOISIOIT		

Art. no.	Version
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AIL IIO.	Version	
6-way: 2 x c	sustom module + power socket outlets	L: approx. 350 mm C
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	
916.030	· 4 x socket outlet with earthing contact, shuttered, black, set at 35°	L. approx. 656 mm
916.1110	· 4 x French / UTE socket outlet, shuttered, black, set at 35°	
916.0361	$\cdot$ 3 x UK 3.15 A individually fused, shuttered, black, set at 90°	N Z
6-way: 3 x c	custom module + power socket outlets	L: approx. 350 mm C
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	L: approx. 350 mm
916.007	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
916.048	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
916.086	$\cdot$ 3 x UK 3.15 A individually fused, shuttered, black, set at 90°	N Z
6-way: 4 x c	custom module + power socket outlets	L: approx. 350 mm C
Anodised alu	minium profile; power input: 0.1 m cable and GST18i3 plug	_ 60
916.025	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°	
916.023	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	
916.024	· 3 x Swiss / CH socket outlet, black, set at 0°	+



# TWIST Power outside the box







TWIST is a power strip for office, lounge and kitchen areas. With its compact design and low installation depth, it is easily integrated in desks or kitchen worktops. Because the power cable is routed close to the housing, the installation depth is only around 40 mm, so the unit can be easily installed above a drawer. With a choice of stainless steel or chrome look finish, TWIST blends easily into both modern and organic interiors. After use, simply rotate the cover and the socket outlets disappear underneath it.

TWIST won among others one of the most prestigious design awards, the Good Design Award 2014, the Red Dot Product Design Award 2012, the Focus Open 2014 Silver and Interior Innovation Award 2014, the Best Office Award of the Trade Fair Office Next Moscow 2014 and most recently the interzum award: intelligent material & design 2015.

- · Very low installation depth (approx. 40 mm)
- · Compact design (H x diameter: approx. 42.5 x 115 mm)
- · Space-saving cable routing
- · Quick and easy to install
- · Suitable for retrofitting
- · Stainless steel look, or chrome look
- $\cdot$  KEMA KEUR approved
- $\cdot$  Good Design Award 2014 and more design awards

### **TWIST**

Installation diameter 105 mm, installation depth 40 mm, for work surfaces of 8 mm or more

Art. no. Version

NIST 2S	Metallic stainless steel look cover disc	
ower input:	2.0 m cable with end sleeves and black earthing contact mounting plug (included)	
31.000	· 2 x socket outlet with earthing contact, shuttered, black	
31.002	· 2 x French / UTE socket outlet, shuttered, black	
31.008	· 2 x Swiss / T23 socket outlets, shuttered, black	+
NIST 1S 2	Metallic matt chrome look cover disc	
ower input:	0.2 m with GST18i3 plug	
31.001	· 1 x socket outlet with earthing contact, shuttered, black	
	· 2 x keystone mount for data sockets	
31.003	· 1 x French / UTE socket outlet, shuttered, black	NEU
	· 2 x keystone mount for data sockets	
31.009	· 1 x Swiss / T13 socket outlet, shuttered, black	<b>+</b> NEU
	· 2 x keystone module for data sockets	
ower input:	2.0 m cable with end sleeves and black earthing contact mounting plug (included)	

Art. no.	Version
Hole saw diameter: 105 mm	
For fitting the TWIST	
931.900	· In wood/plastic with cutting depth up to 44 mm
918.900	Mounting tool for hole saw with centring drill





931.016

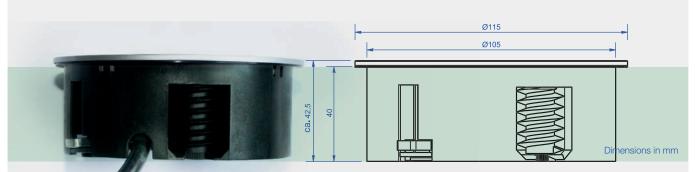
### Watch the TWIST installation film at bachmann.com

TWIST is so compact that it can even be installed above a drawer.

At 42.5 mm high, TWIST is so compact that it can be fitted on almost any surface. It can even be installed above a drawer. The cable is routed through a flexible outlet and stored in a recessed channel.

· 2 x French / UTE socket outlet, shuttered, black

40 mm is all the space that TWIST requires.





## **ELEVATOR**

### The elevator is powered straight away

ELEVATOR fits perfectly in any working environment. At 79 mm in diameter, ELEVATOR is ideal for integrating power and data connections in tiny spaces. Simply press down with your finger to raise and lower ELEVATOR. Two versions of ELEVATOR are available: with three socket outlets or with one socket outlet and two data connections.

Installation is incredibly simple. ELEVATOR is placed in a cut-out 79 mm in diameter and secured to the desktop or tabletop from below using a lock ring.

- $\cdot$  Press down with your finger to raise
- $\cdot \ 2 \ configurations$
- · Suitable for standard 79 mm hole
- · Quick and easy to install
- · Suitable for retrofitting
- · Aluminium polished and brushed or matt chrome
- · Classic design
- · For desktop or tabletop thicknesses of 16 60 mm

### **ELEVATOR**

Version Art. no

Art. no.	Version	
ELEVATOR	power strip	
	eel look profile, power input: 2.0 m H05VV-F 3G 1.5 mm <sup>2</sup> with end sleeves and ntact mounting plug (included)	The state of the s
928.002	· 2 x socket outlet with earthing contact, shuttered, black	
928.003	· 1 x socket outlet with earthing contact, shuttered, black	928.002
	· 2 x Euro socket outlet, shuttered, black	920.002
928.007	· 2 x French / UTE socket outlet, shuttered, black	
928.017	· 1 x socket outlet with earthing contact, shuttered, 1 x USB double charger (5.2 V/ 2.15A)	U NEU
928.020	· 1 x French / UTE socket outlet, shuttered, 1 x USB double charger (5.2 V/ 2.15A)	U NEU 928.003
928.024	· 2 x Swiss / T23 socket outlets, shuttered, with mounting plug (included), black	+ NEU 920.003
	profile, matt chrome, power input: 0.5 m H05VV-F3G 1.5 mm² with GST18 plug; cables and plug and/or socket	
928.004	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	-
	· 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	928.020
928.005	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	920.020
	· 1 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
	· 1 x USB 3.0 A socket with 3.0 m data cable and USB 3.0 A plug	
928.006	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· 1 x CAT6 RJ45 with 3.0 m data cable and plug	
	· 1 x HDMI socket with 3.0 m data cable and socket	,
928.008	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	
	· 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
928.009	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	928.004
	· 1 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	025.00
	· 1 x USB 3.0 A socket with 3.0 m data cable and USB 3.0 A plug	
928.010	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	
	· 1 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
	· 1 x HDMI socket with 3.0 m data cable and socket	000.005
928.026	· 1 x UK 5A individually fused, shuttered, black, set at 90°	U NEU 928.005
	· 1 x USB double charger (5.2 V/ 2.15A)	

### Accessories

Art. no. Version

Hole saw diameter 79 mm for installing the ELEVATOR		
928.900	· In wood/plastic; cutting depth up to 44 mm	
918.900	· Mounting tool for hole saw with centring drill	





### Watch the ELEVATOR installation film at bachmann.com





# LIFT High-tech in motion

LIFT is the totally practical combination of sophisticated looks and high-precision mechanical design. The unit is recessed neatly in the top of the desk or table when not in use. Simply touch to raise out of the desk or table and it's ready for docking on all four sides. Once you have finished using the connections, simply push it back into its initial recessed position by hand.

- $\cdot$  Simply touch to raise
- · Design that can't fail to impress
- $\cdot$  Access points on four sides
- $\cdot$  Incredibly compact dimensions
- · Low built-in depth
- · 4 plug-in units on one height unit

LIFT can be supplied in a variety of power and data connection configurations. This highly compact unit needs a drill hole only 140 mm in diameter for installation. Built-in depth both open and closed is just 195 mm.

By setting cutting-edge technology in motion, LIFT makes power and data supply a truly enjoyable experience.







Simply touch to raise and lower LIFT. The unit has connection points on four sides and can be equipped with a variety of power and data connection configurations.



### Enclosure colour BLACK

Art. no. Version

### **LIFT: Power socket outlets**

Enclosure colour black; power input: 0.5 m cable and GST18i3 plug

904.000	$\cdot$ 4 x socket outlet with earthing contact, shuttered, black, set at 35

· 4 x French / UTE socket outlet, shuttered, black, set at 35° 904.004 904.024\* · 4 x Swiss / CH socket outlet, black, set at 0°

904.020\*  $\cdot$  4 x UK 3.15 A individually fused, shuttered, black, set at  $90^\circ$ 

### LIFT: 2 x CAT6 + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and R	J45 plua
---	----------

	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°
	· 3 x French / UTE socket outlet, shuttered, black, set at 35°
004.005*	2 v Cuina / CLI poplyot quitlet blook pot at 09

3 x Swiss / CH socket outlet, black, set at 0 904.025 904.021\* · 3 x UK 3.15 A individually fused, shuttered, black, set at 90°

### LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug · 2 x socket outlet with earthing contact, shuttered, black, set at 35°

	00002	2 x obstract out of their out it in g obstract, or according to the obs
		· 2 x French / UTE socket outlet, shuttered, black, set at 35°
+	904.026*	· 2 x Swiss / CH socket outlet, black, set at 0°
	904.022*	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°

### LIFT: 2 x CAT6, 2 x USB + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug

904.003	$\cdot$ 2 x socket outlet with earthing contact, shuttered, black, set at 35°
004.007	. 2 v Franch / LITE socket outlet, shuttered, black, set at 35°

2 x French / UTE socket outlet, shuttered, black, set at 35°

904.027\* 2 x Swiss / CH socket outlet, black, set at 0° 904.023\*  $\cdot$  2 x UK 3.15 A individually fused, shuttered, black, set at 90 $^{\circ}$ 

### LIFT: 2 x CAT 6, 1 x VGA + miniature jack , 1 x HDMI, power socket outlet

Enclosure colour black; power input: 3.0 m cable and plug

904.045 · 1 x socket outlet with earthing contact, shuttered, black, set at 35° with 3.0 m cable and plug

· 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug

· 1 x VGA + miniature jack each with 3.0 m cable

· 1 x HDMI with 3.0 m cable

#### U LIFT: 1 x USB double charger (5.2 V/2.15 A), 2 x CAT6 + power socket outlets

Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug

· 2 x socket outlet with earthing contact, shuttered, black, set at 35° · 1 x USB double charger

· 2 x CAT6 RJ45 socket



### Enclosure colour SILVER

Art. no. Version

### LIFT: Power socket outlets

Enclosure colour silver; power input: 0.5 m cable and GST18i3 plug

904.008

· 4 x socket outlet with earthing contact, shuttered, black, set at 35°





### LIFT: 2 x CAT6 + power socket outlets

Enclosure colour silver; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug

.009 · 3 x socket outlet with earthing contact, shuttered, black, set at 35°



### LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets

Enclosure colour silver; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug

904.010 · 2 x socket outlet with earthing contact, shuttered, black, set at 35°



### LIFT: 2 x CAT6, 2 x USB + power socket outlets

Enclosure colour silver; power input: 3.0 m cable and plug;

CAT6 3.0 m data cable and RJ45 plug; USB A socket with 3.0 m cable and plug

904.011 · 2 x socket outlet with earthing contact, shuttered, black, set at 35°



Hole saw Ø 140 mm

For Lift installation

904.900 · Hole saw for clamping, with centre drill

· 140 mm diameter



Similar to illustration

### Mounting tool for hole saw

918.900 · with centre drill



Similar to illustration



## DESK 1

### Versatility with style

DESK is the ideal solution for data, media and power management wherever workstations need to be flexible.

Typical situations might include meeting rooms, home offices or desk sharing environments.

The modular construction of DESK enables it to be factory configured with exactly the communications and power connections required for specific workstations and applications. Thus for power connections there is a free choice of either the flexible Wieland connector system or permanent connections. The data connections are fitted with adapters as standard, but can likewise also be fixed connections.

- · Flexibility of use regardless of location
- $\cdot$  With Wieland connector system or fixed cable connections
- $\cdot$  Fixed or free-standing on desk/table
- · Custom versions adapt to future requirements

With DESK, versatility is also the order of the day when it comes to positioning and location. They are fixed to the desktop/tabletop by mounting brackets or screws, or can be free-standing: whatever best suits the application and good style.





The modular construction of DESK enables it to be factory configured with exactly the communications and power connections you require. DESK can be fixed to a tabletop or desktop or be free-standing.

### DESK 1 – every possibility at your fingertips.



### Plug connections as standard

The standard power connection features a Wieland plug-in connector in the rear panel and provides both reliable power feed and also flexibility in cable length. The cables can be swapped for longer or shorter power supply cables, for example. We use Wieland's GST18 plug-in connector, which is popular all over the world, as standard. This plug connection has a catch mechanism which complies with the relevant standards and can be released again if required. The contacts on the plug connection are safe to touch. A power output socket provides a means of forwarding power to the next module.

### Mounting without damage

DESK 1 can be mounted on the edge of a desk or table quickly and easily using a mounting bracket. A size 4 Allen key is required in order to tighten the inside screw on the bracket. Mounting does not damage the tabletop/desktop. You will find a range of mounting brackets and units on page 125.

### **DESK 1 plus STEP in combination**

Combining DESK 1 with a STEP power strips provides the ideal overall solution for an individual office workstation.

DESK 1 provides easy access to power and data connections for various devices (laptop, mobile phone, USB etc.) whilst the STEP power strip under the desktop/tabletop supplies power to fixed devices such as PC, monitor, printer etc. The STEP power strip is screwed in place underneath the top of the desk or table or placed in a duct underneath. The integrated Wieland connector system allows multiple power strips to be connected in series in compliance with standards.











## DESK 1 – Product matrix

A detailed product description can be found on the following pages.

DESK 1	Country code	Socket inserts	Spaces for custom modules	USB charger	Illuminated switch	CAT5e RJ45 Socket/socket	VGA+3.5 mm miniature jack	USB 3.0 A/A socket	Incl. bracket	Incl. supply cable	Shuttered	Length in mm
902.0182	DE	2	1	yes	-	-	-	-	-	-	yes	281.3
902.011	DE	2	2	-	-	-	-	-	-	-	yes	281.3
902.0183*	DE	2	2	yes	-	-	-	-	-	-	yes	323.8
902.0048	DE	3	-	-	-	-	-	-	-	-	yes	228.6
339.1002	DE	3	-	-	-	-	-	-	yes	-	yes	230.6
902.0050	DE	3	-	-	yes	-	-	-	-	-	yes	271.1
339.1001	DE	3	-	-	yes	-	-	-	yes	yes	yes	268.0
339.1004	DE	3	-	-	-	2	-	-	yes	-	yes	283.3
339.1005	DE	3	-	-	-	2	1	-	yes	-	yes	295.6
339.1006	DE	3	-	-	-	2	-	1	yes	-	yes	325.0
902.000	DE	3	1	-	-	-	-	-	-	-	yes	281.3
902.017	DE	3	1	-	yes	-	-	-	-	-	yes	323.6
902.001	DE	3	2	-	-	-	-	-	-	-	yes	323.5
902.018	DE	3	2	-	yes	-	-	-	-	-	yes	366.1
902.012	DE	1 + 2	2	-	-	-	-	-	-	-	yes	385.0
902.002	DE	3	3	-	-	-	-	-	-	-	yes	366.3
902.019	DE	3	3	-	yes	-	-	-	-	-	yes	408.8
902.003	DE	3	4	-	-	-	-	-	-	-	yes	408.8
902.0049	DE DE	4	-	-	-	-	-	-	-	-	yes	271.1
339.1000	UTE	4	-	-	-	-	-	-	yes	yes	yes	268.0
902.0185	UTE	3	1	yes	-	-	-	-	-	-	yes	281.3 281.3
902.004	UTE	3	2	_		_	-	_		-	yes	365.0
902.006	UTE	3	3	_	_	_	_	_	_	_	yes	366.3
902.007	UTE	3	4	_	_	_	_	_	_	_	yes	408.8
902.0161	CH	2	2	yes	-	-	-	-	-	-	-	323.8
902.008	СН	3	1	-	-	_	-	-	-	-	_	258.0
902.009	CH	3	2	-	-	-	-	-	-	-	-	301.0
902.010	СН	3	3	-	-	-	-	-	-	-	-	346.0
902.0184	UK	2	1	yes	-	-	-	-	-	-	yes	316.3
902.024	UK	2	2	-	-	-	-	-	-	-	yes	346.3
339.1018	UK	2	-	-	-	-	-	-	-	-	yes	228.6
339.1020	UK	4	-	-	-	-	-	-	-	-	yes	356.1
902.1017	UK	2	1	-	-	-	-	-	-	-	yes	276.0

\* No storage type 121

### DESK 1 power strips

Max. 16A/230V~

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

### Power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

· 3 x socket outlet with earthing contact, shuttered, black, set at 35°, length 228.6 mm

339.1018  $\cdot$  2 x UK 3.15 A individually fused, shuttered, black, set at 45°, length 228.6 mm

### Power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

902.0049	· 4 x socket outlet with earthing contact, shuttered, black, set at 35°, length 271.1 mm

902.0050 · 3 x socket outlet with earthing contact, shuttered, black, set at 35°

· 1 switch, 2-pole, illuminated · Length 271.1 mm

339.1020 · 4 x UK 3.15 A individually fused, shuttered, black, set at 45°, length 356.1 mm

DESK 1 power strips with spaces for custom modules

Max. 16A/230V~

Power cables and custom modules are available separately. See glossary for country-specific information.

Art. no. Version

### 1 x custom module + power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

902.000 3 x socket outlet with earthing contact, shuttered, black, set at 35°, length 281.3 mm 902.004 3 x French / UTE socket outlet, shuttered, black, set at 35°, length 281.3 mm 902.008 3 x Swiss / CH socket outlet, black, set at 0°, length 258 mm

902.1017 2 x UK 3.15 A individually fused, shuttered, black, set at 45°, length 276 mm

### 2 x custom module + power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

902.001 3 x socket outlet with earthing contact, shuttered, black, set at 35°, length 323.5 mm 902.011 2 x socket outlet with earthing contact, shuttered, black, set at 35°, length 281.3 mm

902.005 3 x French / UTE socket outlet, shuttered, black, set at 35°, length 365 mm

902.009 3 x Swiss / CH socket outlet, black, set at 0°, length 300.5 mm 902.024 · 2 x UK 3.15 A individually fused, shuttered, black, set at 45°, length 346.3 mm

3 x custom module + power socket outlets Anodised aluminium profile; power input: GST18 / power output: GST18

902.002 3 x socket outlet with earthing contact, shuttered, black, set at 35°, length 366.3 mm

902.006  $3 \times French / UTE$  socket outlet, shuttered, black, set at  $35^{\circ}$ , length 366.3 mm

902.010  $3 \times \text{Swiss} / \text{CH}$  socket outlet, black, set at  $0^{\circ}$ , length 344 mm

You can find suitable Wieland cables on page 199

#### DESK 1 power strips with spaces for custom modules

Max. 16A/230V~

Power cables and custom modules are available separately. See glossary for country-specific information.

Version Art. no.

ket outlet with earthing contact, shuttered, black, set at 35°, length 408.8 mm		53
nch / UTE socket outlet, shuttered, black, set at 35°, length 408.8 mm		
	cket outlet with earthing contact, shuttered, black, set at 35°, length 408.8 mm ench / UTE socket outlet, shuttered, black, set at 35°, length 408.8 mm	

#### 902.012 · 1 x socket outlet with earthing contact, shuttered, black, set at 35°

Anodised aluminium profile; power input: 2 x GST18 (black and red)

- $\cdot$  2 x socket outlet with earthing contact, shuttered, red, set at 35°, length 344.2 mm



Anodised aluminium profile; power input: GST18 / power output: GST18

902.017

- $\cdot$  3 x socket outlet with earthing contact, shuttered, black, set at 35 $^{\circ}$
- · 1 x illuminated switch; length 323.6 mm



### 2 x custom module + power socket outlets + illuminated switch

Anodised aluminium profile; power input: GST18 / power output: GST18

902.018

- · 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 1 x illuminated switch; length 366.1 mm



#### 3 x custom module + power socket outlets + illuminated switch

Anodised aluminium profile; power input: GST18 / power output: GST18

- · 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 1 x illuminated switch; length 408.8 mm



### DESK 1 with 1 x USB double charger (5.2 V/2.15 A) + power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

902.0192 · 2 x socket outlet with earthing contact, shuttered, black, set at 35°, length 281.3 mm



### DESK 1 with 1 x USB double charger (5.2 V/2.15 A), 1 x custom module + power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

902.0182  $\cdot$  2 x socket outlet with earthing contact, shuttered, black, set at 35°, length 281.3 mm

902.0185 · 2 x French / UTE socket outlet, shuttered, black, set at 35°, length 281.3 mm

902.0184 · 2 x UK 3.15 A individually fused, shuttered, black, set at 45°, length 316.3 mm



### DESK 1 with 1 x USB double charger (5.2 V/2.15 A), 2 x custom module + power socket outlets

Anodised aluminium profile; power input: GST18 / power output: GST18

 $\cdot$  2 x socket outlet with earthing contact, shuttered, black, set at 35°, length 323.8 mm

· 2 x Swiss / CH socket outlet, black, set at 90°, length 323.8 mm





You can also use the product configurator at bachmann.com

You can find suitable Wieland cables on page 199

### Max. 16A/230V~

### See glossary for country-specific information

· Anodised aluminium profile, black socket outlets Incl. standard mounting bracket and screws

Art. no.

### **DESK 1 3 x power socket outlet, GST18**

Version

Length: approx. 283.3 mm



339.1004

- 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 2 x CAT5e RJ45, front: socket/rear: socket
- · Power input: GST18i3 plug, power output: GST18i3 socket
- · Incl. standard mounting bracket and screws



#### DESK 1 3 x power socket outlet, GST18

Length: approx. 295.6 mm

2 x CAT5e, 1 x VGA

- · 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 2 x CAT5e RJ45, front: socket/rear: socket
- · 1x VGA 15-pin + miniature jack 3.5 mm
- · Power input: GST18i3 plug, power output: GST18i3 socket
- · Incl. standard mounting bracket and screws



### **DESK 1 3 x power socket outlet, GST18**

Length: approx. 325 mm

2 x CAT5e, 1 x USB

339.1006

- · 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 2 x CAT5e RJ45, front: socket/rear: socket
- · 1 x USB A/A socket
- · Power input: GST18i3 plug, power output: GST18i3 socket
- · Incl. standard mounting bracket and screws



### DESK 1 3 x power socket outlet, GST18

Length: approx. 228.6 mm

- 339.1002  $\cdot$  3 x socket outlet with earthing contact, shuttered, black, set at 35 $^{\circ}$ 
  - · Power input: GST18i3 plug, power output: GST18i3 socket
  - · Incl. standard mounting bracket and screws



#### DESK 1 4 x power socket outlet

Length: approx. 268 mm

339.1000

- · 4 x socket outlet with earthing contact, shuttered, black, set at 35°
- Power input: 3.0 m, H05W-F 3G 1.50 mm<sup>2</sup> black
- with right-angled earthing contact plug
- · Incl. standard mounting bracket and screws



### DESK 1 3 x power socket outlet

Length: approx. 268 mm

Fixed connection, 1 x switch

339.1001

- · 3 x socket outlet with earthing contact, shuttered, black, set at 35°
- · 1 x switch 2-pole, green illuminated
- · Power input: 3.0 m, H05VV-F 3G 1.50 mm² black
- · with right-angled earthing contact plug
- · Incl. standard mounting bracket and screws

### DESK 1 accessories

Art. no.

Version

### **DESK 1** slimline brackets

for tabletop/desktop thicknesses up to 50 mm

918.001

Stainless steel, thickness 3 mm  $\,$ 

Contents:

- · 2 stainless steel mounting brackets
- · 2 M5 x 45 mm Allen bolts







### **DESK 1 standard bracket**

for tabletop/desktop thicknesses up to 50 mm

930.120

Anodised aluminium, thickness approx. 9  $\mbox{mm}$ 

Contents:

- · 2 x mounting clamps, anodised aluminium profile
- · 2 x M5 x 60 mm Allen bolts







### DESK 1 long bracket 930.180 Mounting

bracket for tabletop/desktop thicknesses up to 80 mm

Mounting bracket, long, 50-80 mm

Contor

· 2 x mounting clamp, black painted, similar to RAL9011

- · 2 x M5 x 45 mm Allen bolts
- · 2 x M5 x 60 mm Allen bolts





for tabletop/desktop thicknesses over 15 mm

930.183

Contents:

- · 2 x 4 x 90 mm screw
- $\cdot\,$  2 x threaded brass sleeve





### DESK 1 mounting plate

930.182

Black plastic

Mounting plates for attachment to DESK end caps

Contents:

- · 2 x mounting plate
- · 2 x screw
- · 2 x TESA POWER STRIP





### Automatic switchoff Switch off and save power

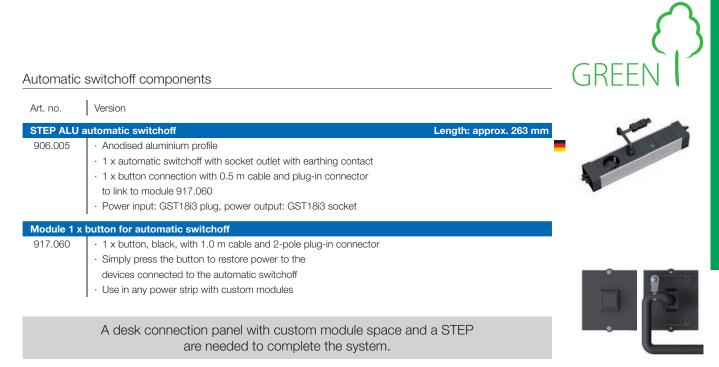
The Bachmann automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours without a major outlay on wiring.

Switching equipment off completely is no longer left to chance: power saving now begins as soon as the workstation PC is shut down.

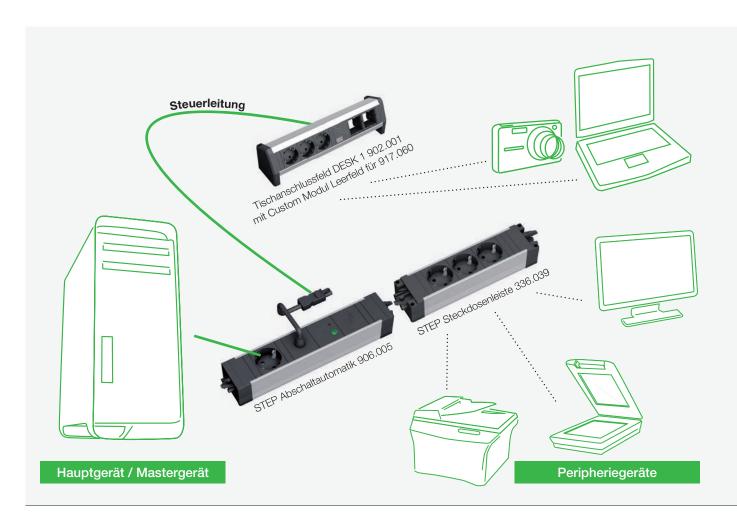
The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since virtually no standby current is drawn by the master device and total power consumption during on-working hours is exactly zero.

### The Violet resilient is not like by the little of the litt

- · Complete interrupt
- · No standby current is drawn by the master device
- $\cdot$  No electricity no fire risk
- · Potential saving of up to €70 per year and workstation
- · Improvement to carbon footprint



Savings of up to €70 a year and workstation are possible with automatic switchoff.











red<mark>dot</mark> design award winner 2011

## DESK 2

### Design meets technology

Desk 2 is a multiple-socket outlet that can be populated with various communication modules. It has been designed for flexible use in the office, meeting rooms, home offices or desk sharing environments.

The outlet is made from aluminium and is available in various colours. The connections are screwed onto the standardised module windows and can be changed over easily.

- · Design solution for modern workstations
- · User-focused 45° orientation
- · Covered wiring to the edge of a desk or table
- · Custom versions adapt to future requirements
- · Red Dot Design Award winner 2011
- $\cdot$  IF Award winner 2012
- $\cdot$  Nominated for the German Design Award 2012

DESK 2 is secured to the desktop with aluminium mounting brackets, and cables are routed behind the screen.

DESK 2 is the winner of the red dot design award 2011, the IF Product Design Award 2012 and was nominated for the German Design Award 2012. The design is unostentatious and straightforward, the materials used durable and high-quality.









Particular attention has been paid to the design of the DESK 2. In terms of technology, DESK 2 has a modular structure, just like its predecessor DESK 1. Like all other Bachmann desk connection panels with media and data modules, DESK 2 is adapted to individual requirements and future purposes using Bachmann custom modules.



## DESK 2 – Product matrix

	DESK 2	Country code	Socket inserts	Spaces for custom modules	USB charger	Colour	CAT6 RJ45 Socket/socket	USB 3.0 A/A socket	HDMI socket/socket	Incl. bracket	Incl. supply cable	Shuttered	Length in mm (approx.)
	902.203	DE	2	1	-	White	-	-	-	yes	-	yes	197
	902.228	DE	2	1	yes	White	-	-	-	yes	-	yes	241
	902.211	DE	2	2	-	White	-	-	-	yes	-	yes	239
	902.229*	DE	2	2	yes	White	-	-	-	yes	-	yes	282
	902.2048	DE	3	-	-	White	-	-	-	yes	-	yes	197
	902.300	DE	3	-	-	White	-	-	-	yes	yes	yes	197
	902.301	DE	3	-	-	White	1	1	-	yes	yes	yes	239
	902.302	DE	3	-	-	White	2	1	1	yes	yes	yes	282
	902.200	DE	3	1	-	White	-	-	-	yes	-	yes	239
	902.201	DE	3	2	-	White	-	-	-	yes	-	yes	282
	902.202	DE	3	3	-	White	-	-	-	yes	-	yes	324
	902.232*	UTE	2	1	yes	White	-	-	-	yes	-	yes	239
ı	902.204	UTE	3	1	-	White	-	-	-	yes	-	yes	239
	902.205	UTE	3	2	-	White	-	-	-	yes	-	yes	282
ı	902.213	UK	2	-	-	White	-	-	-	yes	-	yes	197
	902.206	UK	2	1	-	White	-	-	-	yes	-	yes	239
	902.231	UK	2	1	yes	White	-	-	-	yes	-	yes	274
	902.207	UK	2	2	-	White	-	-	-	yes	-	yes	274
	902.214	UK	4	-	-	White	-	-	-	yes	-	yes	317
	902.230*	CH	2	2	yes	White	-	-	-	yes	-	-	282
١	902.208	CH	3	1	-	White	-	-	-	yes	-	-	239
	902.209	CH	3	2		White				yes			282
١	902.403	DE	2	1	-	stainless steel	-	-	-	yes	-	yes	197
	902.428	DE	2	1	yes	stainless steel	-	-	-	yes	-	yes	241
١	902.411	DE	2	2	-	stainless steel	-	-	-	yes	-	yes	239
	902.429*	DE	2	2	yes	stainless steel	-	-	-	yes	-	yes	282
١	902.4048	DE	3	-	-	stainless steel	-	-	-	yes	-	yes	197
ŀ	902.500	DE	3	-	-	stainless steel	-	-	-	yes	yes	yes	197
	902.501	DE	3	-	-	stainless steel	1	1	-	yes	yes	yes	239
ı	902.502	DE DE	3	1	-	stainless steel	2	1 -	1 -	yes	yes	yes	282
	902.401	DE	3	2	-	stainless steel	-			yes	-	yes	282
ľ	902.401	DE	3	3	-	stainless steel	-	-	-	yes	-	yes	324
ı	902.432*	UTE	2	1		stainless steel	-	_		-		-	239
	902.404	UTE	3	1	yes -	stainless steel	_	_	-	yes	-	yes	239
	902.405	UTE	3	2	_	stainless steel	-	-	-	yes	-	yes	282
	902.431	UK	2	1	yes	stainless steel	_	_	-	yes	_	yes	274
	902.407	UK	2	2	yes -	stainless steel	_	_	_	yes	-	yes	274
	902.406	UK	2	1	-	stainless steel	_	_	-	yes	_	yes	239
	902.430*	CH	2	2	yes	stainless steel	-	-	-	yes	-	-	282
	902.408	CH	3	1	-	stainless steel	-	-	-	yes	-	-	239
	902.409	СН	3	2	-	stainless steel	-	-	-	yes	-	-	282
	302.100	011		_		3.0				, 30			

### DESK 2 power strips

Art. no. Version

Aluminium profile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting bracket  902.2048  • 3 x socket outlet with earthing contact, shuttered, black, set at 35°  • Painted in white, similar to RAL9010  902.4048  • 3 x socket outlet with earthing contact, shuttered, black, set at 35°  • Painted in stainless steel  902.300  • 3 x socket outlet with earthing contact, shuttered, black, set at 35°  • Painted in white, similar to RAL9010  • 1.5 m separate device supply cable, GST18/earthing contact  902.500  • 3 x socket outlet with earthing contact, shuttered, black, set at 35°  • Painted in stainless steel	Power sock	et outlets	Length: approx. 1	197 mm
Painted in white, similar to RAL9010  902.4048  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in stainless steel  902.300  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in white, similar to RAL9010 1.5 m separate device supply cable, GST18/earthing contact  902.500  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in stainless steel	Aluminium pr	ofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	bracket	
Painted in stainless steel  902.300  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in white, similar to RAL9010 1.5 m separate device supply cable, GST18/earthing contact  902.500  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in stainless steel	902.2048			
Painted in white, similar to RAL9010  1.5 m separate device supply cable, GST18/earthing contact  902.500  3 x socket outlet with earthing contact, shuttered, black, set at 35° Painted in stainless steel	902.4048			
· Painted in stainless steel	902.300	· Painted in white, similar to RAL9010		
· 1.5 m separate device supply cable, GST18/earthing contact	902.500			





Po	wei	r so	cket	out	lets

Aluminium pr	ofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST 18i; including mounting bracket	
902.213	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°	
	· Painted in white, similar to RAL9010, length: 196.7 mm	
902.214	· 4 x UK 3.15 A individually fused, shuttered, black, set at 45°	
	· Painted in white, similar to RAL9010, length: 316.7 mm	



### DESK 2 power strips, empty

Art. no. Version

1 x custom	module + power socket outlets	Length: approx. 239 mm
Aluminium p	rofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	g bracket
902.200	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· Painted in white, similar to RAL9010	
902.204	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
	· Painted in white, similar to RAL9010	
902.206	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°	
	· Painted in white, similar to RAL9010	
902.208	· 3 x Swiss / CH T13 socket outlet, black, set at 90°	
	· Painted in white, similar to RAL9010	
902.400	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· Painted in stainless steel	
902.404	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
	· Painted in stainless steel	
902.406	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°	
	· Painted in stainless steel	
902.408	· 3 x Swiss / CH T13 socket outlet, black, set at 90°	
	· Painted in stainless steel	
	module + power socket outlets	Length: approx. 197 mm









2 x custom	module + power socket outlets	Length: approx. 239 mm				
Aluminium profile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting bracket						
902.211	<ul> <li>2 x socket outlet with earthing contact, shuttered, black, set at 35°</li> <li>Painted in white, similar to RAL9010</li> </ul>					
902.411	· 2 x socket outlet with earthing contact, shuttered, black, set at 35° · Painted in stainless steel					



2 x custom	module + power socket outlets	Length: approx. 274 mm
Aluminium pr	ofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	
902.207	<ul> <li>2 x UK 3.15 A individually fused, shuttered, black, set at 45°</li> <li>Painted in white, similar to RAL9010</li> </ul>	N/AN
902.407	<ul> <li>2 x UK 3.15 A individually fused, shuttered, black, set at 45°</li> <li>Painted in stainless steel</li> </ul>	



### DESK 2 power strips

Art. no. Version



С	2 x custom	module + power socket outlets	Length: approx. 282 mm
	Aluminium pr	ofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	bracket
	902.201	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
		· Painted in white, similar to RAL9010	
	902.205	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
		· Painted in white, similar to RAL9010	
+	902.209	· 3 x Swiss / CH T13 socket outlet, black, set at 90°	
		· Painted in white, similar to RAL9010	
	902.401	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
		· Painted in stainless steel	
	902.405	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
		· Painted in stainless steel	
+	902.409	· 3 x Swiss / CH T13 socket outlet, black, set at 90°	
		· Painted in stainless steel	



#### 3 x custom module + power socket outlets Length: approx. 324 mm Aluminium profile; power input: 0.2 m H05VV-F3G 1.5 mm<sup>2</sup> with GST18; including mounting bracket

902.202  $\cdot$  3 x socket outlet with earthing contact, shuttered, black, set at 35° · Painted in white, similar to RAL9010

· 3 x socket outlet with earthing contact, shuttered, black, set at 35°

· Painted in stainless steel

### DESK 2 power strips

Version Art. no.



### U C DESK 2 with 1 x USB double charger (5.2 V/2.15 A), 1 x custom module + power socket outlets

Aluminium profile; power input 0.2 m H05VV-F3G 1.5mm² with GST 18; including mounting bracket

902.228

902.402

· 2 x socket outlet with earthing contact, shuttered, black, set at 35°

· Length 241.2 mm

· Painted in white, similar to RAL9010

902.232\*

 $\cdot\,$  2 x French / UTE socket outlet, shuttered, black, set at  $35^\circ$ 

· Length 239.2 mm

902.231

· Painted in white, similar to RAL9010  $\cdot$  2 x UK 3.15 A individually fused, shuttered, black, set at 45°

· Length 284.2 mm

· Painted in white, similar to RAL9010

902.428

· 2 x socket outlet with earthing contact, shuttered, black, set at 35° · Length 241.2 mm

· Painted in stainless steel

902.432\*

· 2 x French / UTE socket outlet, shuttered, black, set at 35°

· Length 239.2 mm

· Painted in stainless steel

902.431

· 2 x UK 3.15 A individually fused, shuttered, black, set at 45°

· Lenath 284.2 mm

· Painted in stainless steel



You can also use the product configurator at bachmann.com

### DESK 2 power strips

Version Art. no.

Aluminium p	rofile; power input: 0.2 m H05VV-F3G 1.5 mm <sup>2</sup> with GST18; including mounting bracket	
902.229*	<ul> <li>2 x socket outlet with earthing contact, shuttered, black, set at 35°</li> <li>Length 281.7 mm</li> <li>Painted in white, similar to RAL9010</li> </ul>	+
902.230*	<ul> <li>2 x Swiss / CH T13 socket outlet, black, set at 90°</li> <li>Length 281.7 mm</li> <li>Painted in white, similar to RAL9010</li> </ul>	+
902.429*	<ul> <li>2 x socket outlet with earthing contact, shuttered, black, set at 35°</li> <li>Length 281.7 mm</li> <li>Painted in stainless steel</li> </ul>	
902.430*	2 x Swiss / CH T13 socket outlet, black, set at 90°     Length 281.7 mm     Painted in stainless steel	•

### DESK 2 power strips, equipped

Version Art. no.

1 x custom	module + power socket outlets	Length: approx. 239 mm
Aluminium p	profile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	ng bracket
902.301	<ul> <li>3 x socket outlet with earthing contact, shuttered, black, set at 35°</li> <li>Painted in white, similar to RAL9010</li> <li>1 x CAT6 coupling socket/socket</li> <li>1 x USB A/A 3.0 keystone module</li> <li>1.5 m separate device supply cable, GST18/earthing contact</li> </ul>	
902.501	<ul> <li>3 x socket outlet with earthing contact, shuttered, black, set at 35°</li> <li>Painted in stainless steel</li> <li>1 x CAT6 coupling socket/socket</li> <li>1 x USB A/A 3.0 keystone module</li> <li>1.5 m separate device supply cable, GST18/earthing contact</li> </ul>	
2 x custom	module + power socket outlets	Length: approx. 282 mm



2 x custom	module + power socket outlets	Length: approx. 282 mm C
Aluminium pi	rofile; power input: 0.2 m H05VV-F3G 1.5 mm² with GST18; including mounting	bracket
902.302	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	_
	· Painted in white, similar to RAL9010	
	· 2 x CAT6 coupling socket/socket	
	· 1 x USB A/A 3.0 keystone module	
	· 1 HDMI keystone socket/socket	
	· 1.5 m separate device supply cable, GST18/earthing contact	
902.502	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· Painted in stainless steel	
	· 2 x CAT6 coupling socket/socket	
	· 1 x USB A/A 3.0 keystone module	
	· 1 HDMI keystone socket/socket	
	· 1.5 m separate device supply cable, GST18/earthing contact	



### Accessories

Version Art. no.

DESK 2 car	ble management		
Covered cab	oling to the underside of desk or table edge		
918.106	· Plastic, painted in white similar to RAL9010		
918.107	· Plastic, painted in stainless steel		
DESK 2 adhesive base			
Covered cab	Covered cabling to the underside of desk or table edge		
918.110	2 x adhesive base set, plastic, painted in white similar to RAL9010     2 x TESA POWER STRIP		
918.111	2 x adhesive base set, plastic, painted in stainless steel     2 x TESA POWER STRIP		

C Custom module

DESK 2 brackets are suitable for desktop or tabletop thicknesses of 10 mm to 40 mm. Alternatively, DESK 1 standard brackets (art. no. 930.120) can also be used for DESK 2. In combination with DESK 2, these cover a range of 25 mm to 55 mm.



## STEP

### Fit for the future - step by step

STEP embodies the principle of modularity with absolute consistency. The system is thus ideal for the flexible delivery of power and data to workstations, partition systems, false floors and other connection types.

The modular design of STEP power strips makes for virtually endless possibilities: from simple sets for supplying electricity to power strips with integrated data connections, RCDs/MCBs, overvoltage protection, connections for media technology and much more.

- · Consistent modularity
- · Versatile applications
- · Standard connection system
- · Can be expanded at any time
- · Functional efficiency

For electricity distribution STEP uses the Wieland connector system as standard and can therefore be supplied with a variety of cable lengths. Other plug connection systems can also be supplied on request.

STEP delivers individual tailor-made solutions meeting all the requirements of modern power and data supply. In short: Fit for the future - step by step.





STEP is ideal for the flexible delivery of power and data to workstations, partition systems, false floors and other connection types.



### STEP combination options

You can plug separate modules together or combine them as you wish with a connecting cable. Thus STEP gives you your own custom power distribution system. Other plug-in connection systems (e.g. Wago Winsta, Woertz, Ensto) can be supplied on request.

### STEP – the all-round system designed for expansion.









### Perfectly tailored for the best connections

The STEP power strip is available with an aluminium or plastic profile. It is possible to connect multiple power strips together to form a modular system. STEP is designed primarily as a simple electricity supply unit for office workstations. Permanently installed devices such as PCs, monitors, printers, etc. can be connected to STEP.

STEP power strips have a power input and a power output, each of which is built into the end caps on the face end. The Wieland GST18 plug connectors fitted are particularly tried-and-tested solutions for office use and have the coding and latch mechanism required to comply with the applicable standard.

### Multiple fixing options

STEP power strips are versatile in their application. They can be fitted for



example under tabletops/desktops, in cable ducts and in partitions. Different attachment options are available to suit these various applications (see from page 139).



### STEP

Power cables and custom modules are available separately. See glossary for country-specific information.

Version Art. no.

STEP BASE	: Power socket outlets	Length: approx. 220 mm (note special length
Plastic profile	e; power input: GST18 / power output: GST18	
336.600	· 3 x socket outlet with earthing contact, shuttere	ed, black, set at 35°
336.601	· 3 x socket outlet with earthing contact, shuttere	ed, red, set at 35°
336.603	· 3 x French / UTE socket outlet, shuttered, black	k, set at 35°
906.1306	· 2 x UK 3.15 A individually fused, shuttered, blac	k, set at 45°
906.0059	· 2 x UK 3.15 A individually fused, shuttered, blac	k, set at 45°, 2 switches, length 244 mm
906.0055	· 4 x UK 3.15 A individually fused, shuttered, blac	k, set at 45°, length 322 mm
906.0060	· 4 x UK 3.15 A individually fused, shuttered, black	s, set at 45°, 1 switches, length 364,7 mm



STEP BASE	: Power socket outlets	Length: approx. 262.5 mm (note special lengths)
Plastic profile	e; power input: GST18 / power output: GST18	
336.604	· 4 x socket outlet with earthing contact, shuttered	d, black, set at 35°
336.606	· 4 x French / UTE socket outlet, shuttered, black	, set at 35°
336.626	· 5 x socket outlet with earthing contact, shuttered	d, black, set at 35°, length 305 mm



STEP ALU:	Power socket outlets	Length: approx. 220 mm (note special lengths)
Aluminium pr	rofile; power input: GST18 / power output: GST18	
336.039	· 3 x socket outlet with earthing contact, shuttered	I, black, set at 35°
336.067	· 3 x socket outlet with earthing contact, shuttered	I, red, set at 35°
906.1075	· 3 x French / UTE socket outlet, shuttered, black,	set at 35°, length 220 mm
336.046	· 4 x French / UTE socket outlet, shuttered, black,	set at 35°, length 262.5 mm
336.072	· 3 x French / UTE socket outlet, shuttered, red, se	et at 35°
336.088	· 4 x French / UTE socket outlet, shuttered, red, se	et at 35°, length 262.5 mm
906.1086*	· 3 x Swiss / CH socket outlet, black, set at 90°	



STEP ALU: 1 x custom module + power socket outlets  Length: approx. 220 mm		
Aluminium p	rofile; power input: GST18 / power output: GST18	
906.000	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°	_
906.002	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	
906.071	· 2 x Swiss / CH socket outlet, black, set at 90°	+
336.079	· 2 x UK 3.15 A individually fused, shuttered, black, set at 45° (length 284.5	mm)



STEP ALU: 2	2 x custom module + power socket outlets	Length: approx. 262.5 mm C
Aluminium pr	ofile; power input: GST18 / power output: GST18	
906.001	$\cdot$ 2 x socket outlet with earthing contact, shuttered, black, set at 35°	
906.009*	$\cdot$ 2 x French / UTE socket outlet, shuttered, black, set at 35°	II
906.080*	$\cdot$ 2 x Swiss / CH socket outlet, black, set at 90°	+



STEP ALU:	1 x switch + power socket outlets	Length: approx. 262.5 mm (note special lengths)
Aluminium p	rofile: Power input: GST18 / power output: GST18	3
906.003	· 3 x socket outlet with earthing contact, shutte	ered, black, set at 35°
	· Switch controls sockets only (not power outp	ut)
906.031	· 3 x socket outlet with earthing contact, shutte	ered, black, set at 35°
	· Switch controls both sockets and power outp	but
906.150	· 2 x socket outlet with earthing contact, shutte	ered, black, set at 35° (length 358.5 mm)
	· Switch controls both sockets and power outp	out
	· Residual current device, 16A, tripping current	30mA, response time 30 ms, 2-pole



STEP ALU: 1	x USB double charger (5.2 V/2.15 A), 1 x custom module + power socket outlets L: approx. 262.8 mm
Aluminium profile; power input: GST18 / power output: GST18	
906.0113*	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°



### All STEP safety modules are compatible with STEP ALU and STEP BASE

See glossary for country-specific information. Power cables and custom modules are available separately.

Art. no. Version

### STEP ALU overvoltage protection, GST18

Length: approx. 147 mm

Aluminium profile; power input: GST18 / power output: GST18

336.003 · Overvoltage protection 2 kV with function and fail indicator

### STEP ALU overvoltage protection + mains and frequency filters, GST18

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

336.004 · Overvoltage protection 2 kV with function and fail indicator and mains filter 30 MHz

### STEP ALU MCB, GST18

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

336.015 · Miniature circuit-breaker 16 A, 2-pole

Characteristic B

#### STEP ALU RCD, GST18

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

336.014 Residual current device, tripping current 30 mA, response time 30 ms, 2-pole

#### **STEP ALU RCD, GST18**

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

906.067 Residual current device, tripping current 10mA, response time 30 ms, 2-pole

· Power input: GST18i3 plug, power output: GST18i3 socket

### STEP ALU RCD/MCB, GST18

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

336.065

· Combined RCD/MCB comprising:

- $\cdot$  Residual current device, tripping current 30 mA, response time 30 ms, 2-pole
- · Miniature circuit-breaker 16 A rated current, 400 V, 2-pole
- · Characteristic B; 6kA

### STEP ALU master & slave, GST18

Length: approx. 220 mm

Aluminium profile; power input: GST18 / power output: GST18

336.006

- $\cdot$  Master & slave circuit with threshold value setting 10W and higher
- · Effective power: 0.29W / apparent power: 1.05W

### E STEP ALU automatic switchoff

Length: approx. 263 mm

Aluminium profile; power input: GST18 / power output: GST18

906.005

- · 1 x automatic switchoff with socket outlet
- $\cdot\,$  1 x button connection with 0.5 m cable and plug-in connector
- $\cdot\,$  to link to module 917.060





You can also use the product configurator at bachmann.com

### STEP accessories

Art. no.

Version

### **Mounting accessories** 375.502

- · 4 x 2.9 x 30 mm screw
- · 2 x cover strip for the end caps as optical finish (to be placed on the end caps where two power strips are linked together)
- · 1 x connection cover
- · 1 x end cap for power output socket

### Stainless steel mounting bracket

940.096

- · For insertion into the rear of a STEP profile
- · Ideal for use with power strips with data connections
- · Packing unit: 2 items



940.024

- $\cdot$  For insertion into the rear of a STEP profile
- · With elongated hole (keyhole) for screwing into place, ideal when using
- · power strips with data connections
- · Packing unit: 1 item left, 1 item right



940.097

- · For insertion into the rear of a STEP profile
- $\cdot$  For screw fixing e.g. under a desk or table
- · Packing unit: 2 items



375.529

- Fit over the end caps of STEP power strips
- · Visual finish
- · Black plastic
- · Packing unit: 2 items

### Sheet steel mounting plate

940.108

- $\cdot$  For insertion into rear of STEP profile
- $\cdot$  Tighten the nut on the threaded screw to fix the
- · power strip in place

Contents:

· 1 mounting plate including M5 screw, washer and nut

### STEP plastic mounting clip

- · For attaching STEP BASE and STEP ALU power strips
- · in suitable cut-outs in sheet steel (thickness 2.0 mm)

Contents:

- · 2 x plastic mounting clip
- · 4 x screw 2.9 x 30 mm



### Earthed power supply cable to STEP unit, see Accessories section

- · Pre-assembled power supply cables with integrated earth connection
- $\cdot$  Earthing of the power strip is independent of the installation
- · Ideal in combination with STEP power strips (see from page 137)













### UNIVERSAL Multiple-socket outlets







- · Complete unit for power, data and media connections on desks and conference tables
- · Includes 3.0 m power connection cable
- · Outstanding flexibility through use of Bachmann custom modules
- · Attachment in various positions / at various angles using metal retaining brackets
- · Ideally suited to use in table ducts

### UNIVERSAL multiple-socket outlets

UNIVERSAL	power strips: 1 x custom module + power socket outlets, aluminium profile	C
power input :	3.0 m H05VV-F3G 1.5mm <sup>2</sup> with right-angled earthing contact plug; incl. mounting bracket	
922.0111	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	
922.0231	· 3 x French / UTE socket outlet, shuttered, black, set at 35°	
922.096	· 3 x Italian / IT socket outlet, shuttered, black	



UNIVERSAL	power strips: 2 x custom module + power socket outlets, aluminium profile	C
Power input	3.0 m H05W-F3G 1.5mm <sup>2</sup> with right-angled earthing contact plug; incl. mounting bracket	
922.0181	$\cdot$ 5 x socket outlet with earthing contact, shuttered, black, set at 35°	
922.083	$\cdot$ 5 x French / UTE socket outlet, shuttered, black, set at 35 $^{\circ}$	
922.098	· 5 x Italian / IT socket outlet, shuttered, black	



ower strips: 3 x custom module + power socket outlets, aluminium profile	С
m H05VV-F3G 1.5mm² with right-angled earthing contact plug; incl. mounting bracket	
4 x socket outlet with earthing contact, shuttered, black, set at 35°	
4 x French / UTE socket outlet, shuttered, black, set at $35^{\circ}$	
4 x Italian / IT socket outlet, shuttered, black	
	m H05W-F3G 1.5mm² with right-angled earthing contact plug; incl. mounting bracket 4 x socket outlet with earthing contact, shuttered, black, set at 35° 4 x French / UTE socket outlet, shuttered, black, set at 35°



**CONI COVER** and **UNIVERSAL** – The functional combination. CONI COVER is an elegant way of accessing separate power supply units or standard cable installation systems under the tops of desks and tables.

### CONI COVERs are available in our catalogue from page 102





# Custom modules As versatile as your applications

Bachmann custom modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in FACILITY SOLUTIONS, rack systems and electrical installations. The versatility of custom modules make Bachmann FACILITY SOLUTIONS even more flexible. With the easy-to-swap modules you can create units to meet the individual data, video and audio connection requirements of your customers quickly and simply.

Now Bachmann also offers this flexibility for 19" panel installations. The standard custom modules facilitate optimal configuration for every media and network connection requirement. Again here socket/socket or screw-terminal connections provide great simplicity of installation.

When it comes to electrical installations, Bachmann custom modules are again an outstanding addition. The small number of parts make the custom modules compatible with the current switch ranges of reputable manufacturers. Simple fitting and removal mean that all installations can be quickly adapted to changed requirements or brought up to the current state of the art.





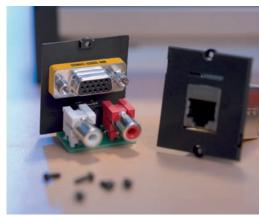


Power strips

19" media racks

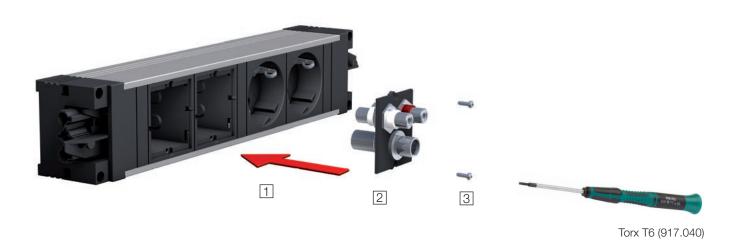
Electrical installations







You can also use the product configurator at bachmann.com



The empty built-in frame 1 of Bachmann FACILITY SOLUTIONS accommodates the custom modules 2, which are fixed in place with two Torx screws. The custom modules can be easily exchanged by loosening the screws.

### Custom modules in FACILITY SOLUTIONS





### Individual configuration

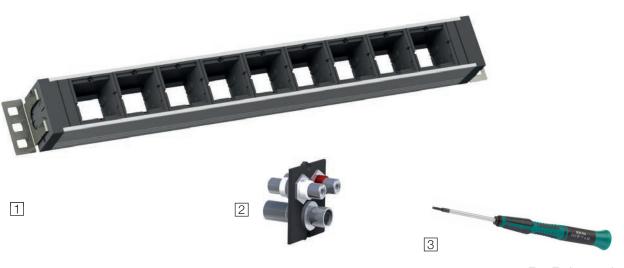
Modern technology and strong ideas are at the heart of each and all Bachmann FACILITY SOLUTIONS. With expansion-compatible multiple-socket outlets and Facility custom modules for individual configuration, these systems provide the ideal basis for setting up flexible connections. Practical units provide secure networking in the office, while elegantly designed, concealed supply systems offer trouble-free communications for conferences. In addition to the socket outlets integrated ex factory, Bachmann Facility products include empty modules for individual configuration. Custom modules are supplied complete with screws.

### The greatest flexibility - prepared for the future

Whenever you change the configuration you have the opportunity to upgrade your equipment to the latest state of the art. Built-in insulation protects you from contact with live parts. There is no requirement to recheck the electrical connections of the unit after changing modules, and the warranty is not affected.

You can find FACILITY SOLUTIONS products in the main Bachmann catalogue and in the separate FACILITY SOLUTIONS catalogue.

Compatible with Bachmann FACILITY SOLUTIONS



Torx T6 (917.040)

Our 19" racks 1 accept custom modules 2, which are simply inserted and screwed in. System integration is made easy with the open design and socket/socket or screw-terminal custom modules.

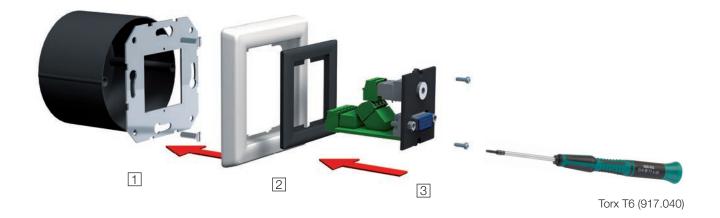
# Custom modules in rack installations

# Full integration of media and network technologies

The 19" panels offer simple and flexible integration of media and network technologies into your rack system. The custom modules, easily screwed into place (Torx M2 screws 3 included with the panels) enable you to respond to changes in system requirements at any time. Socket/socket and screw-terminal technology offers a compact and clearly arranged installation. The panels are particularly economical on space, requiring only 1.5 height units (67 mm).



Compatible with Bachmann IT rack panel



Using a mounting plate 1 and adapter frame 2 (see page 150), custom modules 3 can be installed in a switch box.

# Custom modules in electrical installations

# Unlimited installation options

The addition of a few extra components opens up whole new possibilities for electrical installations. Installed in either a switch box or sill-type trunking, the extensive range of custom modules allows the easy integration of audio, video and data networks. By using the  $50 \times 50$  mm and  $55 \times 55$  mm adapter frames available as standard, the custom modules form an optimal complement to the current switch ranges of reputable manufacturers.

The connections to the rear can be made either as socket/socket or via screw terminals. No complicated soldering or cabling is required. A compatibility list of custom modules for the switch ranges of various manufacturers can be found on page 148 onwards.



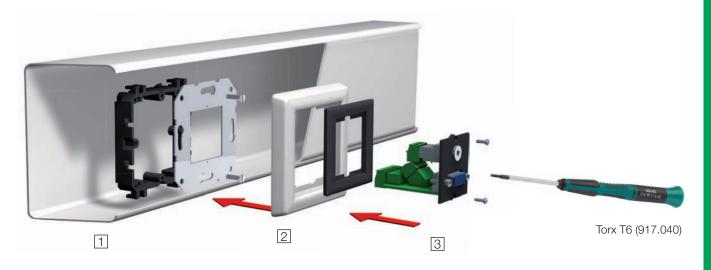
917.064 mounting plate (suitable Torx M2 screws included)



Adapter frame, 50x50 mm and 55x55 mm, in black or white



Example of mounting box for trunking You can obtain various mounting or device boxes from trunking manufacturers



The mounting box is inserted into the trunking. This forms the base onto which the mounting plate  $\boxed{1}$  and adapter frame  $\boxed{2}$  (50x50 mm or 55x55 mm) and the Bachmann custom module are bolted  $\boxed{3}$ 

Bachmann custom modules 3 can even be fitted into conventional floor boxes. The custom module bracket 4 for floor-box systems allows the custom module to be fitted directly. There is thus no need for a mounting plate 1 or adapter frame 2. The Bachmann custom module bracket 4 is suitable for various makes of floor box. Please check the installation depth required by the custom modules.





Compatible with Bachmann INSTALLATION

Manufacturer*	Switch range*	Bachmann adapter frame** Colour black	Bachmann adapter frame** Colour white	+ Adapter manufacturer number
Berker	S.1	917.066	917.169	-
	B.1	917.066	917.169	-
	B.3	917.066	917.169	-
	B.7 Glass	917.066	917.169	-
	K.1	917.065	917.168	11087124 11087106 11087109 11087102
	K.5	917.065	917.168	11.087.104
	Arsys	917.065	917.168	11080101 11089104 11089111 11080169 11080102
	Module 2	917.065	917.168	114309 114302
Busch-Jaeger	carat	917.065	917.168	1746/10-81 1746/10-82 1746/10-84
	pure stainless steel	917.065	917.168	1746/10-866
	pulse	917.065	917.168	1746/10-71 1746/10-72 1746/10-74 1746/10-79 1746/10-777 1746/10-783
	solo	917.065	917.168	1746/10-82 1746/10-84 1746/10-85 1746/10-86 1746/10-87 1746/10-88 1746/10-803 1746/10-815
	Busch-axcent	917.065	917.168	1746/10-84
	future	917.065	917.168	1746/10-82 1746/10-84 1746/10-85 1746/10-89
	Future linear	917.065	917.168	1746/10-81 1746/10-82 1746/10-83 1746/10-84 1746/10-89
EGB	Elegant Standard	917.065	917.168	143.090.045
Schneider Electric (ELSO)	JOY	917.065	917.168	363080 363084
	RIVA	917.065	917.168	203080 203084 2030831 2030811 2030819
	RIVA	917.066	917.169	203160 203164 2031611 2031619
	SCALA	917.065	917.168	203080 203084 2030811 2030819
	SCALA	917.066	917.169	203160 203164 2031611 2031619
	FASHION	917.065	917.168	203080 203084 203081 2030812 203082 2030831 203086 203089 2030844
	FASHION	917.066	917.169	203160 203164 203160D
	NOVIA	917.066	917.169	284800 284804
	NOVIA	917.065	917.168	283160 283164 2831631 2831612 283166 283169 2.831.611
	CLASSIC	917.065	917.168	303110 303111
Gira	Standard 55	917.066	917.169	-
	E2	917.066	917.169	-
	Event	917.066	917.169	-
	Esprit	917.066	917.169	-
	E22	917.066	917.169	0.289.202
	Stainless steel series 20 / 21	917.066	917.169	028920
	TX_44	917.066	917.169	028966 028967 028965
	Large-area switch	917.066	917.169	0289111 0289112
	S-Color	917.065	917.168	028240 028242 028243 028246 028247
Jäger	Opus	917.065	917.168	560.050.02
Jung	AS 500	917.066	917.169	-
	AS Universal	917.066	917.169	-
	A 500	917.066	917.169	-
	A plus	917.066	917.169	-
	A creation	917.066	917.169	-
	LS-design	917.066	917.169	AL2961Z5-L ES2961Z5-L
	LS 990	917.066	917.169	LS961Z5WW LS961Z5SW LS961Z5AL

<sup>\*</sup> Name and product designation of manufacturer

 $<sup>^{\</sup>star\star}$  Also order the appropriate Bachmann adapter frame for fitting in the switch range.

Manufacturer*	Switch range*	Bachmann adapter frame** Colour black	Bachmann adapter frame** Colour white	+ Adapter manufacturer number
	LS plus	917.066	917.169	AL2961Z5-L ES2961Z5-L
Jung	FD-design	917.066	917.169	AL2961Z5-L ES2961Z5-L
	CD 500	917.065	917.168	590ZCD 590ZWW
	LS 990	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	LS 990	917.065	917.168	LS961Z5 LS961Z5WW LS961Z5SW
	Aluminium	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Aluminium	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	Stainless steel	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Stainless steel	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	Anthracite	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZW
	Anthracite	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
	Bright chrome	917.065	917.168	LS961Z LS961ZWW LS961ZLG LS961ZSW
	Bright chrome	917.066	917.169	LS961Z5 LS961Z5WW LS961Z5SW AL2961Z5-L ES2961Z5-L
Merten	1-M	917.066	917.169	-
	ATELIER-M	917.066	917.169	-
	M-SMART	917.066	917.169	-
	M-PLAN	917.066	917.169	-
	M-PLAN GLASS	917.066	917.169	-
	M-PLAN metal	917.066	917.169	-
	M-PLAN II	917.066	917.169	-
	M-ARC	917.066	917.169	-
	M-STAR	917.066	917.169	-
	ARTEC	917.065	917.168	516094 516099
	AQUADESIGN	917.065	917.168	518344 518319 518314 518360
PEHA	Standard	917.066	917.169	219511 219611
	Standard	917.065	917.168	219411 219211 219711 219311 218711
	Dialog	917.065	917.168	828611 819511 768611 847311 838011 778611 316611
	Aura	917.065	917.168	117211 129511 155811
	Nova	917.065	917.168	027211 042211 057211
	Nova	917.066	917.169	100511 100711 100611
Presto-Vedder	Regina classic	917.065	917.168	730RW 730RUW
	Alessa	917.065	917.168	230RUW
	Alessa plus	917.065	917.168	230RUW
	Fiorena	917.065	917.168	3030RUW 3030RW 3030RSI 3030RSGR
Siemens	DELTA line	917.065	917.168	5TG2557 5TG2587 5TG1160 5TG1150
	DELTA vita	917.065	917.168	5TG2557 5TG1160 5TG1150
	DELTA miro	917.065	917.168	5TG2557 5TG2587 5TG1160 5TG1150
	DELTA style	917.065	917.168	5TG1326 5TG1326-1 5TG1366
	DELTA style	917.066	917.169	5TG1327 5TG1327-1 5TG1367
	DELTA profile	917.065	917.168	5TG1806 5TG1866 5TG1766 5TG1836 5TG1706-1 5TG1746-1
	DELTA profile	917.066	917.169	5TG1893 5TG1885 5TG1762 5TG1835 5TG1705-1 5TG1745-1

<sup>\*</sup> Name and product designation of manufacturer

 $<sup>^{\</sup>star\star}$  Also order the appropriate Bachmann adapter frame for fitting in the switch range.





Version

# Custom module mounting plate for switch range

Stainless steel



- · Stainless steel mounting plate suitable for conventional devices, for flush-mounted,
- · cavity and device boxes for trunking
  - · Incl. 2 x Torx M2 screws
  - $\cdot$  For trunking an additional mounting box is required
  - · (see manufacturer's range)



#### Adapter frame for switch range

**Plastic** 

- 917.065
- · external dimensions: 50 x 50 mm
- · Colour: Black similar to RAL 9005
- · For fitting in standard switch range (50 x 50 mm internal dimensions)
- · together with stainless steel mounting plate 917.064
- · Please note the compatibility list on page 148 onwards



# Adapter frame for switch range

Plastic

- 917.168
- · external dimensions: 50 x 50 mm
- · Colour: White similar to RAL9010
- $\cdot\,$  For fitting in standard switch range (50 x 50 mm internal dimensions)
- · together with stainless steel mounting plate 917.064
- $\cdot\,$  Please note the compatibility list on page 148 onwards



#### Adapter frame for switch range

Plastic

- 917.066
- · external dimensions: 55 x 55 mm
- · Colour: Black similar to RAL 9005
- $\cdot\,$  For fitting in standard switch range (55 x 55 mm internal dimensions)
- · together with stainless steel mounting plate 917.064
- $\cdot\,$  Please note the compatibility list on page 148 onwards



#### Adapter frame for switch range

Plastic

- 917.169
- · external dimensions: 55 x 55 mm
- · Colour: White similar to RAL9010
- $\cdot\,$  For fitting in standard switch range (55 x 55 mm internal dimensions)
- $\cdot$  together with stainless steel mounting plate 917.064
- · Please note the compatibility list on page 148 onwards

#### Floor boxes

Art. no. Version

Floor box mounting 2 x Sheet steel

#### 2 x custom module

917.068

- $\cdot$  For fitting in OBO Bettermann device case/floor-box systems
- · Accepts 2 custom modules (transverse mounting)
- · Incl. Torx M2 screws



Floor box mounting 3 x Sheet steel

#### 3 x custom module

917.067

- $\cdot$  For fitting in OBO Bettermann device case/floor-box systems
- · Accepts 3 custom modules (transverse mounting)
- · Incl. Torx M2 screws



Floor box mounting 2 x Black plastic

2 x custom module

917.139

- Mounting for Electraplan floor boxes
- · Accepts 2 custom modules (transverse mounting)
- · Incl. Torx M2 screws for custom modules



Floor box mounting 3 x Black plastic

#### 3 x custom module

917.140

- · Mounting for Electraplan floor boxes
- · Accepts 3 custom modules (transverse mounting)
- $\cdot$  Incl. Torx M2 screws for custom modules



# Media racks / IT panels

Art. no. Version

# 19" custom module panel 1.5 HU Black anodised aluminium

- · Accepts up to 9 custom modules
- · Incl. bracket



#### Modules for keystone data connections

All modules are supplied with 2 Torx T6 screws.

Art. no. Version





#### Custom module 2 x keystone

917.000 • • •

- · Module, black, accepts 2 data sockets with keystone fitting
- Suitable for the data sockets listed below 917.158
  - Module, white, accepts 2 data sockets with keystone fixing
  - · Suitable for the data sockets listed below





#### Custom module 1 x keystone

· Module, black, accepts 1 data socket with keystone fitting

- Suitable for the data sockets listed below 917.159 · Module, white, accepts 1 data socket with keystone fixing
  - · Suitable for the data sockets listed below



# Custom module 2 x keystone with metal holder

917.061

917.001

- · Module, black, accepts 2 data sockets with keystone fitting
- · Keystone fitting with metal holder on rear of cover for high mechanical stresses
- · Suitable for the data sockets listed below



#### Custom module 1 x keystone with metal holder

917.062

- · Module, black, accepts 1 data socket with keystone fitting
- · Keystone fitting with metal holder on rear of cover for high mechanical stresses
- Suitable for the data sockets listed below

Data connections for custom modules 917.000, 917.001, 917.061 and 917.062

Socket / socket (Suitable data cables can be found in the accessories)

Art. no.

Version

#### Keystone module CAT6 coupling socket/socket

940.044

- Type: BTR E-DAT
- Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting)





#### Keystone module CAT6 coupling / socket / socket

940.083

- · Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
- · Shielded



# Keystone module CAT6 coupling socket/socket

940.112

- · Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
- · Unshielded



#### Keystone module CAT5e coupling socket/socket

940.057

- · Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
- · Shielded



#### Keystone module ISDN RJ12 socket/socket

940.085

- · Front: RJ12 (keystone fixing), rear: RJ12 (keystone fixing)
- · Unshielded





#### Keystone socket cover

- Socket cover, clips into an empty keystone socket
- Can be used as a placeholder for sockets inserted subsequently
- Suitable for 917.000 / 917.001 / 917.061 / 917.062

IT POWER SOLUTIONS

FACILITY SOLUTIONS

#### Data connections for custom modules 917.000, 917.001, 917.061 and 917.062

#### Socket/supply cable

Art. no. Version

#### CAT6a 10GB Patch cable plug / socket 3.0 m

918.033

- Front: Socket RJ45 CAT6a TKM 10GB
- · Cable, black, with RJ45 plug
- · Shielded

#### CAT6a 10GB Patch cable plug / socket 5.0 m

918.034

- · Front: Socket RJ45 CAT6a TKM 10GB
- · Cable, black, with RJ45 plug



· Shielded

#### CAT6a 10GB socket TKM

918.035

- · CAT6 connector socket TKM 10GB
- · Without cable (designed for tool-free connection of data cable)
- Shielded

#### **RJ 45 shutter**

930.143

- · Cover for keystone custom module
- · Does not require tools
- · Suitable for custom modules 917.000/917.001/917.051/917.052
- · With paper labelling strips
- · Universally suits 1 and 2 data connections
- · Ideal as dust cover for data socket contacts when not in use



# Keystone media technology links

Art. no. Version

# Keystone module 1 x HDMI

918.040

- · Front: HDMI socket
- $\cdot$  Rear: HDMI socket without cable
- $\cdot\,$  Fits into keystone frame 917.000 or 917.001
- · Requires approx. 85 mm installation depth



Black

Black

Black

# Keystone module 1 x 3.5 mm miniature jack

917.157

- · Front: 3.5 mm stereo miniature jack socket
- · Rear: 3.5 mm stereo miniature jack socket with approx. 0.1 m cable
- $\cdot\,$  Fits into keystone frame 917.000 or 917.001
- $\cdot\,$  Requires approx. 65 mm installation depth



#### Keystone module 1 x mini display port

917.214

- · Front: Mini display port socket
- · Rear: Display port plug with approx. 0.5 m cable
- · 0.5 m breakout cable
- • •
- · Requires approx. 85 mm installation depth



IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION



# USB 3.0 accessories



#### USB 3.0 keystone modules

Art. no. Version

Keystone module USB 3.0 A/B USB

917.400 · Front: USB A socket / rear: USB B socket

· Fits into keystone frame 917.000 or 917.001

Keystone module USB 3.0 B/A Black 917.401

Black

Black

Front: USB B socket / rear: USB A socket Fits into keystone frame 917.000 or 917.001

· Requires approx. 85 mm installation depth

· Requires approx. 85 mm installation depth



#### Keystone module USB 3.0 A/A (straight through)

· Front: USB socket A / rear: USB socket A

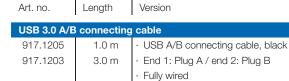
· Fits into keystone frame 917.000 or 917.001

· Requires approx. 85 mm installation depth



Art. no.





Version



USB 3.0 A/A	connecting	cable (straight through, not for host-to-host connection)
918.176	1.0 m	· USB A/A connecting cable, black, grey plug

2.0 m 918.178 · End 1: Plug A / end 2: Plug A 918.177 3.0 m · Can be used with custom modules with USB A socket · (e.g. 917.018 / 917.019 / 917.400 / 917.401)  $\cdot$  Fully wired straight through, not suitable for host-to-host connection

# USB 3.0 connecting cable for host-to-host connection



Length Art. no. Version

#### USB 3.0 A/A connecting cable (crossed, for host-to-host connection) 918.081 1.0 m USB A/A connecting cable, black, black plug

918.083 1.8 m · End 1: Plug A / end 2: Plug A  $3.0 \, \text{m}$ 918.082

· Can be used with custom modules with USB A socket

· (e.g. 917.018 / 917.019 / 917.400 / 917.401)

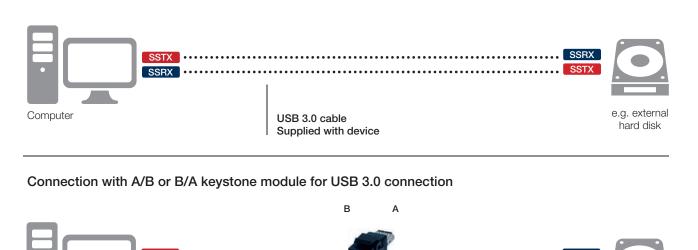
· Fully wired, 3.0 data pairs crossed for host-to-host connection

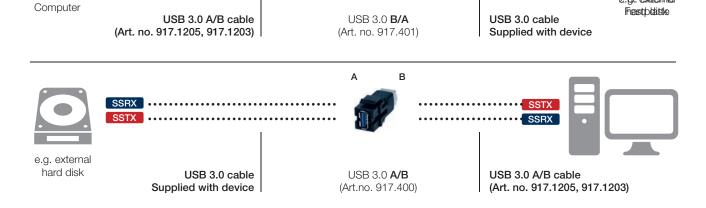
e.B. externel

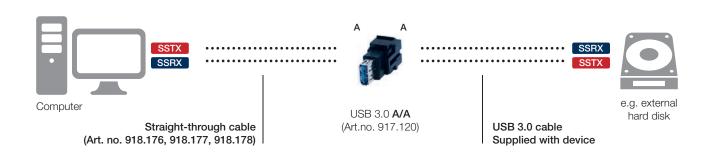
# The right components

**USB 3.0** 

Conventional USB 3.0 direct connection, without keystone modules







#### Please note

Unlike USB 2.0, USB 3.0 cables have an extra earth connection and two additional signal wire pairs:

SSTX+ and SSTX- for data transmission from host to device, SSRX+ and SSRX- for data transmission from device to host.

Active components require straight-through USB 3.0 cables for communication. Because our USB 3.0 A/A keystone module is straight-through, a straight-through cable must also be used. If the components are not used as described above (crossed USB cables), the data speed of USB 3.0 is reduced to USB 2.0 speed even though only USB 3.0 components are being used. USB 3.0 SuperSpeed data connections are only possible up to a total cable length of 4.5 m. If keystone modules are used, shorter cables are required. Cable quality is an important factor for high data rates. We recommend Bachmann USB 3.0 cables.

#### **OWG** connections











Art. no. Version

# OWG-LC duplex keystone module

918.071

- OWG-LC duplex coupler
- · Keystone fixing

# OWG-ST duplex keystone module

918.073

- · OWG-ST duplex coupler
- · Keystone fixing

#### **TOSLINK** keystone module

918.045

- TOSLINK optic fibre audio coupler
- Keystone fixing

#### **OWG-SC** keystone module

918.072

- · OWG-SC coupler
- · Keystone fixing

#### **OWG-MT-RJ** keystone module

918.074

- OWG-MT-RJ coupler
- · Keystone fixing

#### Cable bushing





Rückseite Frontseite

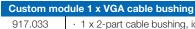


# Custom module 1 x data cable bushing

917.032

Module with drill hole and 2-part cable bushing for data cables up to 11 mm in diameter





- · 1 x 2-part cable bushing, ideal for routing VGA cables, without cable.
  - · Suits cables up to 24 mm in diameter



#### Modules for data connections

· All modules are supplied with 2 x Torx T6 screws.

#### BTR\*\*

- · E-DAT module CAT6a 8(8)
- E-DAT module coupling 8(8) CAT6

# DAETWYLER\*\*

- · unilan MS 1/8 CAT6 RJ45
- · unilan RJ45 feedthrough coupling CAT6 · unilan MU 1/8 CAT6 RJ45

# KERPEN\*\*

VarioKeystone RJ45 socket module

# Custom module 2 x BTR E-DAT module CAT6

917.038 

- · Module with cut-out and mounting module for 2 x BTR E-DAT module CAT6 (not included)
- $\cdot\,$  Also suitable for Daetwyler Unilan module MS 1-8





# Custom module 1 x BTR E-DAT module CAT6

917.006 

- Module with cut-out and mounting module for 1 x BTR E-DAT module CAT6 (not included)
- · Also suitable for Daetwyler Unilan module MS 1-8



# Custom module 1 x Systimax CAT6

- · Module with cut-out and mounting plate for 1 x Systimax CAT6 MGS500 and MGS400 series
- (not included)

#### Modules for data connections

· All modules are supplied with 2 x Torx T6 screws.

Art. no.

Version

#### Custom module 1 x RDM CAT6

917.005

- · Module with cut-out and mounting plate for
- · 1 x Reichle de Masari (RDM) CAT6 (not included)



#### Custom module 1 x BKS

917.153

- Module with cut-out for data connections BKS (RJ, RJ250, RJUTP, RJpro and MMC3000pro): can be used with mounting clip 403-7540xx (not supplied)
- · Also suitable for Kerpen ELine 1200 C7 socket when combined with the ELine EC7 adapter clip
- LKD9ZE300210000), not supplied



#### **Custom module Nexans 2 x**

917.052

- Module, black, with cut-out for 2 x Nexans LANmark-6 CAT6 (can be clipped in with Nexans keystone clip)
- Data socket and keystone clip available separately



#### **Custom module Nexans 1 x**

917.051

- · Module, black, with cut-out for 1 x Nexans LANmark-6 CAT6 (can be clipped in with Nexans keystone clip)
- · Data socket and keystone clip available separately



# Custom module 1 x Panduit CAT6

917.007

· Module with cut-out and mounting plate (black) for 1 x Panduit CAT6 (not included)



#### **Custom module 1 x Corning CAT6**

917.002

- $\cdot$  Module with cut-out and mounting plate (black) for 1 x Tera CAT6 S250 (not included)
- · Suitable for the following Corning modules: S500 module / CAXASM-00104-C001, S500 fx / CAXASM-00104-C002
- · S10 ten / CAXTSM-00112-C001, S10 ten fx / CAXTSM-00112-C004, S250 module / CAXESM-00100-C00
- S250 fx / CAXESM-00100-C004, S100 eL / CAXGSM-00100-C001, S100 e / CAXDSM-00100-C001



# Custom module 2 x Tera CAT7

917.039

- $\cdot$  Module with cut-out and mounting plate (black) for 2 x Tera CAT7 (not included)
- · DAETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7



#### Custom module 1 x Tera CAT7

- · Module with cut-out and mounting plate (black) for 1 x Tera CAT7 (not included)
- DAETWYLER unilan PS 1/8 CAT7, CORNING S1200 module S1200 shielded CAT7



Manufacturer	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
Bachmann version															
CAT6 coupling, shielded; art.no.: 940.044	Х	Х			Х	Х									
CAT6 coupling, unshielded; art.no.: 940.112	Х	Х	Х	Х											
CAT5e coupling art. no.: 940.057	Х	Х	Х	Х											
ISDN RJ12 socket unshielded	Х	Х	Х	Х											
CAT6a 10GB socket TKM, shielded, for automatic telephone art. no.: 918.035	Х	Х	Х	Х											
CAT6a 10GB socket TKM, shielded, with 3.0m cable and RJ45 plug; art. no.: 918.033	Х	Х	Х	Х											
CAT6a 10GB socket TKM, shielded, with 5.0m cable and RJ45 plug; art. no.:918.034	Х	Х	Х	Х											
Socket cover / blank cover keystone black; art. no.:917.057	Х	Х	Х	Х											
RJ45 shutter; art. no.: 930.143	Х	Х													
OWG-LC duplex keystone; art. no.: 918.071	Х	Х	Х	Х											
OWG-SC keystone; art. no.: 918.072	Х	Х	Х	Х											
OWG-ST keystone; art. no.: 918.073	Х	Х	Х	Х											
OWG-MT-RJ keystone; art. no.: 918.074	Х	Х	Х	Х											
TOSLINK keystone; art. no.: 918.045	Х	Х	Х	Х											
Tyco Electronics / AMP NETCONNECT*															
AMP TWIST 7 S SL jack; art. no.: PN 0-1711441-1	Х	Х	Х												
AMP TWIST 6S SL jack; art. no.: PN 0-1711160-1	X	X	,												
AMP TWIST6AS SL jack; art. no.: PN 0-1711592-1	X	X													
7 iii - 1110 1 ii 10 0 0 1 juuri, arti 10 11 11 0 0 11 11 0 0 1	^	^													
ADC KRONE*															
KM8 RJ45 modular keystone shielded; art. no.: PN 6830 1 810-01	Х	Х	х	Х	Х	Х			X	X	Х				
BELDEN*															
Giga Flex keystone	Х	Х	Х	Х	Х	Х			X	X	Х				
BTR*															
C6A module 180° jack; art. no.: 130B11-E					Χ	Χ									
E-DAT module coupling 8(8) 180° CAT6; art. no.: 1309A0-I					Χ	Χ									
UTP module CAT5e T568B; art. no.: 130A08-I, 130A08-I-B1	Χ	Х	Χ	Х	Х	Х					Χ				
UAE module CAT5e unshielded; art. no.: 130908-I						Χ									
UAE module 8(8) CAT6; art. no.: 130909-I, 130909-I-B1						Χ									
UTP module 8(8) CAT6; art. no.: 130A10-I, 130A10-29-I, 130A10-29-I-B1	Χ	Х	Х	Х	Χ	Χ					Χ				

Manufacturer	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005
COBINET*															
RJ45 socket CobiDat KS IPS 500; art. no.: 6920 1052.1	X	X	Х	Х											
DAETWYLER*															
Unilan keystone module KU 1/8 Cat.5e unshielded; art. no.: 418 082	X	Х	Х	Х	X	X			Х	X					
Keystone module KS-T 5 Cat.5/5e RJ45 shielded; art. no.: 418 055					X	Х									
Keystone module KS Cat.6 de-embedded RJ45 shielded; art. no.: 418 050	х	Х	Х	Х	Х	Х			X	X					
Keystone module KS-TS 6 Cat.6 (Ea) slimline RJ45 shielded: Art. no.: 418 054					Х	Х									
Module MS 1/8 shielded Cat.6 T568A; art. no.: 185 700	X	Х	Х	Х	Х	X			X	X					
RJ45 module MS-K Plus 1/8, Cat.6A (IEC) shielded TIA-A; art. no.: 400 004	х	Х	Х	Х	Х	Х			X	Х					
Module MU 1/8 unshielded Cat.6 T568A; art. no.: 185 750	х	Х	Х	Х											
Keystone module KS-T Cat.6/Ea RJ45 shielded; art. no.: 418 060	X	Х	Х	Х	Х	Х			X	X					
Unilan module PS-GG45 7A shielded FLEX; art. no.: 400 103					Х	Х									
Module PS-GG45 7A shielded; art. no.: 400 102															
RJ45 feedthrough coupling MS Cat.6 180 degrees; art. no.: 417 446						Х									
RJ45 feedthrough coupling MS Cat.6 90 degrees; art. no.: 417 445	Х	X	X	Х											
EFB ECOLAN*															
Cat.5e RJ45 keystone jack UTP, snap-in, with LSA strip; art. no.: E-20050	X	X	X	X											
Cat.5e RJ45 keystone jack STP, snap-in, with LSA strip; art. no.: E-20051	X	X		X											
Cat.6 RJ45 module STP, de-embedded; art. no.:E-20060	X	X	X	X											
Cat.6 RJ45 module UTP, snap-in, with LSA strip; art. no.:E-20061	X	Χ	Χ	Χ											
Cat.6 modular adapter STP snap-in, metal art. no.:37486.1	Х	Х	Х	Х											
Modular adapter Cat.6 UTP snap-in, RJ45 socket/socket; art. no.:37488.1	Х	Χ	Χ	Χ											
RJ45 adapter snap-in socket/socket shielded; art. no.: 37508.2	X	X	X	X											
3M*															
Volition RJ45 Cat6A connection module; art. no.: VOLOCK6ASN8	Х	Х													
CIOAMERIA															
GIGAMEDIA*															
RJ45 CAT6 UTP / STP	X	X	X	X											
RJ45 CAT6 contacts 110UTP / STP	X	X	X	X											
RJ45 CAT5e UTP / STP	X	X	X	X											

<sup>\*</sup> Name and product designation of manufacturer

Manufacturer	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917.005			
KERPEN*																		
Keystone socket cat.6A; art. no.: LKD9ZQ010000000					х	Х	х	х	Х	Х			X	Х	Х			
MegaLine Connect45 socket module cat.6A (VarioKeystone) shielder art. no.: LKD9A5020100000	ed;									×								
Variokeystone socket module 4K7 cat.7; art. no.:LKD9A460061000	00								Х	Х								
Variokeystone socket module RJ45 cat.6A (ISO/IEC); art. no.: LKD9	9A4601	2800	000							Х								
MegaLine Connect100 socket module RJ45 cat.6A; art. no.: LKD9.	A9020	1000	00						Х	Х								
MegaLine Connect100 socket module 8C7A; art. no.: LKD9A90202	200000	)							Х	Х								
MegaLine Connect100 socket module 4K7A; art. no.: LKD9A90203	300000	)							Х	Х								
MegaLine Connect45 socket module keystone cat. 6A (ISO/IEC); art. no.: LKD9A5010100000					X	х	х	х										
MC45 socket module keystone CAT.6 (ISO/IEC) ; art. no.:LKD9A50	10600	00			х	X	X	X										
NEXANS* (requires additional keystone clip to fit)																		
LANmark-5 snap-in EVO													X	X				
LANmark-6 EVO RJ45 snap-in													X	Х				
LANmark-6 10G snap-in													X	X				
LANmark-7 GG45 snap-in													X	Х				
LANmark EVO cat. 5; art. no.: N420.555, N420.556 - with keystone	e clip N	1429.	627										X	Х				
LANmark EVO cat. 6; art. no.: N420.666, N420.667 - with keystone	e clip N	1429.	627										Х	Х				
LANmark EVO cat. 6 10G; art. no.: N420.666G, N420.667G - with keystone clip N429.627													×	X				
LANmark EVO cat.6A; art. no.: N420.66A, N420.67A - with keystor	ne clip	N429	9.627										X	Х				
LANmark GG45 cat. 7; art. no.: N420.730, N420.731 - with keysto	ne clip	N42	9.620	)									X	Х				
LANmark GG45 cat.7A; art. no.: N420.735, N420.736 - with keysto	one clip	N42	29.62	0									X	Х				
Panduit*																		
Mini-com mini-jack Cat3 module; art. no.: CJ64BLY																Х		
Mini-com TX-5e 28/30 AWG jack module; art. no.: CJT5E88TGBL																Х		
Mini-com TX6 plus 28/30 AWG jack module; art. no.: CJT688TGBL	-															X		

<sup>\*</sup> Name and product designation of manufacturer

Manufacturer	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.002	917.051	917.052	917.053	917.008	917.038	917.007	917,005
Reichle de Masari*															
CAT6 module RJ45 with mounting plate; art. no.: R302372 / R302373 / R313064													Х		
Cat6A module RJ45 (can be fitted with keystone clip); art. no.: R509509 / R509508	Х	Х	Х	Х											
Cat6A module RJ45 keystone; art. no.: R509509 / R509508	х	Х	Х	Х											
CAt6A module RJ45 with mounting plate; art. no.: R509504 / R509500													Х		
CAt6A module RJ45 snap-in; art. no.: R511999 / R509502 / R511998 / R509506	Х	X	Х	Х											
RUTENBECK*															
UM Cat.6A iso A; art. no.: 13900304	Х	Х	Х	Х											
SETEC*															
SeSix eXtra Cat 6A keystone jack (XAKJ) shielded; art. no.: 501415	Х	Х	Х	Х	Х	Х			Х	Х					
SeSix eXtra Cat 6A keystone jack (XAKJ) shielded; art. no.: 501414	х	X	Х	Х	Х	Х			Х	Х					
TELEGÄRTNER*															
AMJ module K Cat6A; art. no.: J00029K0036	х	X	Х	Х											
AMJ coupler K Cat6; art. no.: J00029A0061	Х	Х	Х	Х											
AMJ coupler K Cat.5e F-F isolated; art. no.: J00029K0052	х	х	Х	х											
TKM*															
RJ-MOD-Cat.6; art. no.: 4677682	Х	Х	Х	Х											
Modular plug-in connector GG45; art. no.: 4677701	х	х	х	х											

<sup>\*</sup> Name and product designation of manufacturer

See the glossary for detailed information on use/application

Front Rear Art. no. Version

#### Custom module 1 x VGA + miniature jack

**Black** 

- $\cdot$  Front: VGA socket and 3.5 mm stereo miniature jack
- $\cdot\,$  Rear: VGA socket and 3.5 mm stereo miniature jack with approx. 0.1 m cable
- · Requires approx. 70 mm installation depth





#### Custom module 1 x VGA + miniature jack

**Black** 

- Front: VGA socket and 3.5 mm stereo miniature jack
- Rear: 10-pole screw terminal (RGBHV) and 3-pole (audio stereo)
- · Requires approx. 50 mm installation depth





#### Custom module 1 x VGA + miniature jack

White

917.160

- · Front: VGA socket and 3.5 mm stereo miniature jack
- · Rear: 10-pole screw terminal (RGBHV) and 3-pole (audio stereo)
- · Requires approx. 50 mm installation depth





#### Custom module 1 x VGA + miniature jack

Black

- 917.073
- · Front: VGA socket and 3.5 mm stereo miniature jack
- $\cdot$  Rear: 5 x BNC socket with approx. 0.3 m cable (RGBHV) and 3-pole screw terminal (audio stereo)
- Requires approx. 50 mm installation depth





#### Custom module 1 x VGA + miniature jack

**Black** 

- · Front: VGA socket and 3.5 mm stereo miniature jack
- · Rear: VGA socket and 3.5 mm stereo miniature jack with approx. 0.2 m cable
- Requires approx. 50 mm installation depth



#### Custom module 1 x VGA + miniature jack and button for MediaNet switch

Black

- · Front: VGA socket and 3.5 mm stereo miniature jack + button, lights up blue
- · Rear: VGA socket and 3.5 mm stereo miniature jack with approx. 0.1 m cable + RJ12 socket for button
- Requires approx. 70 mm installation depth

IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION

#### All modules are supplied with 2 Torx T6 screws. For suitable cables see the Accessories section

Art. no. Version

#### Custom module 1 x VGA + miniature jack and button for MediaNet switch

17.074 • Front: VGA socket and 3.5 mm stereo miniature jack + button, lights up blue

· Rear: 10-pole screw terminal (RGBHV) and

3-pole (audio stereo) + micro clamp terminal (button)

Requires approx. 50 mm installation depth



**Black** 

Black

Black

Black

Black

Black

# Custom module 1 x VGA + miniature jack and button for MediaNet switch

917.077

- · Front: VGA socket and 3.5 mm stereo miniature jack + button, lights up blue
- Rear: 5 x BNC socket with approx. 0.3 m cable (RGBHV)
   and 3-pole screw terminal (audio stereo) + micro clamp terminal (button)
- · Requires approx. 50 mm installation depth



#### Custom module 1 x VGA

917.011

- · Front: VGA socket
- · Rear: VGA socket
- Requires approx. 70 mm installation depth





#### Custom module 1 x VGA

917.069

- · Front: VGA socket
- · Rear: 10-pole screw terminal (RGBHV)
- $\cdot$  Requires approx. 50 mm installation depth





#### Custom module 1 x VGA

917.070

- · Front: VGA socket
- · Rear: 5 x BNC socket with approx. 0.3 m cable (RGBHV)



· Requires approx. 35 mm installation depth





#### Custom module 1 x VGA

- · Front: VGA plug
- $\cdot$  Rear: 10-pole screw terminal (RGBHV)
- · Requires approx. 50 mm installation depth





See the glossary for detailed information on use/application

Black

Black

Black

**Black** 

White

Black

Front

Rear

Art. no. Version

#### Custom module 1 x DVI-I + miniature jack 917.021

- · Front: DVI-I socket and 3.5 mm stereo miniature jack
- · Rear: DVI-I socket and 2 x cinch audio stereo (red + white) with approx. 0.1 m cable
- · Requires approx. 75 mm installation depth









· Front: DVI-I socket

· Rear: DVI-I socket with approx. 0.1 m cable

· Requires approx. 75 mm installation depth



# Keystone module 1 x HDMI

918.040 · Front: HDMI socket

· Rear: HDMI socket without cable

 $\cdot\,$  Fits into keystone frame 917.000 or 917.001

· Requires approx. 85 mm installation depth





#### Custom module 1 x HDMI

· Front: HDMI socket

· Rear: Screw terminal 2 x 9-pole (HDMI)

· Requires approx. 40 mm installation depth





Custom module 1 x HDMI

· Front: HDMI socket

· Rear: Screw terminal 2 x 9-pole (HDMI)

· Requires approx. 40 mm installation depth





# Custom module 1 x display port

 $\cdot$  Front: Display port socket

 $\cdot$  Rear: Display port socket without cable

 $\cdot$  Requires approx. 70 mm installation depth

FACILITY SOLUTIONS

INSTALLATION

See the glossary for detailed information on use/application

Art. no.

Version

#### Custom module 1 x cinch video + 2 x cinch audio stereo

· Front: Cinch video (yellow) + 2 x cinch audio stereo (red + white) socket

917.026

· Rear: Cinch video + 2 x cinch socket without cable

Front

**Black** 

**Black** 

White

**Black** 

**Black** 

**Black** 

White







#### Custom module 1 x cinch video + 2 x cinch audio stereo

917.085

- · Front: Cinch video (yellow) + 2 x cinch audio stereo (red + white) socket
- · Rear: Screw terminal 2-pole (video) + 3-pole (audio stereo)
- · Requires approx. 50 mm installation depth





#### Custom module 1 x cinch video + 2 x cinch audio stereo

917.161

- · Front: Cinch video (yellow) + 2 x cinch audio stereo (red + white) socket
- · Rear: Screw terminal 2-pole (video) + 3-pole (audio stereo)
- · Requires approx. 50 mm installation depth





#### Custom module 1 x BNC video + 2 x cinch audio stereo

917.027

- · Front: BNC video (yellow) + 2 x cinch audio stereo (red + white) socket
- Rear: BNC video + 2 x cinch socket without cable





#### Custom module 1 x S-video + 2 x cinch audio stereo

917.028

- · Front: S-video (S-VHS) + 2 x cinch audio stereo (red + white) socket
- Rear: S-video socket + 2 x cinch socket without cable





# Custom module 1 x S-video + 2 x cinch audio stereo

917.08<sup>-</sup>

- · Front: S-video + 2 x cinch audio stereo (red + white) socket
- · Rear: Screw terminal 4-pole (S-video) + 3-pole (audio stereo)
- Requires approx. 30 mm installation depth





#### Custom module 1 x S-video + 2 x cinch audio stereo

- · Front: S-video + 2 x cinch audio stereo (red + white) socket
- · Rear: Screw terminal 4-pole (S-video) + 3-pole (audio stereo)
- Requires approx. 30 mm installation depth





See the glossary for detailed information on use/application

Black

**Black** 

**Black** 

Black

Front Rear





917.035

#### Custom module 1 x S-video + cinch video

· Front: S-video + cinch video (yellow) socket

· Rear: S-video + cinch video socket without cable





#### Custom module 1 x S-video + cinch video

917.083 Front: S-video + cinch video (yellow) socket

Rear: Screw terminal 4-pole (S-video) + approx. 0.3 m cable with 2 x BNC

· Requires approx. 30 mm installation depth





#### Custom module 1 x cinch audio RGB

Black

· Front: Cinch video RGB socket (red / green / blue) 917.088

· Rear: screw terminal 6-pole  $\cdot$  Requires approx. 30 mm installation depth





#### Custom module 1 x cinch video RGB

917.090

917.022

Black · Front: Cinch video RGB socket (red / green / blue)

· Rear: Cinch video RGB socket (red / green / blue)

· Requires approx. 65 mm installation depth





# Custom module 1 x SAT/TV/radio

917.030 · Front: F-plug connector (sat) and 2 x coax (TV + radio)

· Rear: F-plug connector (sat) and 2 x coax (TV + radio)

· Requires approx. 50 mm installation depth





## Custom module 1 x SAT/TV/radio

Black · Front: 2 x coax (TV + radio)

· Rear: 2 x coax (TV + radio)

· Requires approx. 50 mm installation depth





#### Custom module 1 x cinch audio stereo

Front: Cinch audio stereo socket (red + white)

· Rear: Cinch audio stereo (red + white) socket without cable

· Requires approx. 55 mm installation depth

See the glossary for detailed information on use/application

Art. no.

917.089

Version

#### Custom module 1 x cinch audio stereo

· Front: Cinch audio stereo socket (red + white)

- · Rear: 3-pole screw terminal (audio stereo)
- · Requires approx. 35 mm installation depth



Black

White

Black

Black

**Black** 

White

Black



Rear

# Custom module 1 x cinch audio stereo

917.163

- · Front: Cinch audio stereo socket (red + white)
- · Rear: 3-pole screw terminal (audio stereo)
- · Requires approx. 35 mm installation depth





#### Custom module 1 x 3.5 mm miniature jack

917.023

- · Front: 3.5 mm audio stereo miniature jack socket
- · Rear: Cinch audio stereo socket (red + white)
- · Requires approx. 65 mm installation depth





#### Keystone module 1 x 3.5 mm miniature jack

917.157

- · Front: 3.5 mm audio stereo miniature jack socket
- $\cdot\,$  Rear: Miniature jack socket with approx. 0.1 m cable
- $\cdot\,$  Fits into keystone frame 917.000 or 917.001







#### Custom module 1 x 3.5 mm miniature jack

917.091

- · Front: 3.5 mm audio stereo miniature jack socket
- · Rear: 3-pole screw terminal (audio stereo)

Requires approx. 35 mm installation depth





#### Custom module 1 x 3.5 mm miniature jack

917.164

- $\cdot$  Front: 3.5 mm audio stereo miniature jack socket
- · Rear: 3-pole screw terminal (audio stereo)

• Requires approx. 35 mm installation depth





#### Custom module 1 x 6.3 mm audio stereo jack

917.036

- · Front: 6.3 mm audio stereo jack socket
- $\cdot$  Rear: 6.3 mm audio stereo jack socket with approx. 0.1 m cable

• • • Requires approx. 65 mm installation depth





See the glossary for detailed information on use/application

Black

**Black** 

White

Black

Black

**Black** 

Black

Front

Rear

Art. no. Version







 $\cdot$  Front: XLR 3-pole microphone socket

· Rear: XLR 3-pole plug with approx. 0.1 m cable

· Requires approx. 65 mm installation depth







Front: XLR 3-pole socket

Rear: Screw terminal 3-pole

· Requires approx. 40 mm installation depth







917.165 · Front: XLR 3-pole socket

· Rear: Screw terminal 3-pole

· Requires approx. 40 mm installation depth





#### Custom module 1 x XLR 4-pole socket

917.099 · Front: XLR 4-pole socket

· Rear: Screw terminal 4-pole

· Requires approx. 40 mm installation depth





# Custom module 1 x XLR 5-pole socket

Front: XLR 5-pole socket

· Rear: Screw terminal 5-pole

· Requires approx. 40 mm installation depth





#### Custom module 1 x XLR 3-pole plug

917.095 · Front: XLR 3-pole plug

· Rear: Screw terminal 3-pole

Requires approx. 40 mm installation depth





#### Custom module 1 x XLR 4-pole plug

917.098 · Front: XLR 4-pole plug

· Rear: Screw terminal 4-pole

· Requires approx. 40 mm installation depth

IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION

See the glossary for detailed information on use/application

Art. no.

Version

# Custom module 1 x XLR 5-pole plug

917.100

- · Front: XLR 5-pole plug
- · Rear: Screw terminal 5-pole

· Requires approx. 40 mm installation depth



Black

**Black** 

Black

Black

Black



#### Custom module Combo series 1 x XLR 3-pole socket + 1 x 6.3 mm jack socket

- Front: XLR 3-pole socket. + 6.3 mm audio stereo jack socket
- · Rear: Screw terminal 2 x 3-pole
- · Requires approx. 40 mm installation depth





#### Custom module 1x 2-pole loudspeaker connection + 6.3 mm stereo jack

917.102

- · Front: Speakon 2-pole socket + 6.3 mm audio stereo jack
- · Rear: Screw terminal 2-pole + 3-pole
- · Requires approx. 50 mm installation depth



#### Custom module 1 x 4-pole loudspeaker connection

- · Front: Speakon 4-pole socket
- · Rear: Screw terminal 4-pole
- · Requires approx. 40 mm installation depth





#### Custom module 1 x loudspeaker connection

917.114

- Front: Loudspeaker connection (red + white)
- · Rear: Screw terminal 2-pole
- · Requires approx. 30 mm installation depth





# USB 3.0 keystone modules

Version Art. no.

# Keystone module USB 3.0 A/B USB

917.400

- · Front: USB A socket / rear: USB B socket
- · Fits into keystone frame 917.000 or 917.001
- · Requires approx. 85 mm installation depth

# Keystone module USB 3.0 B/A

Black

**Black** 

917.401

- · Front: USB B socket / rear: USB A socket
- · Fits into keystone frame 917.000 or 917.001
- · Requires approx. 85 mm installation depth

# Keystone module USB 3.0 A/A (straight through)

Black

917.120

- Front: USB socket A / rear: USB socket A
- · Fits into keystone frame 917.000 or 917.001
- · Requires approx. 85 mm installation depth

IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION

#### Data transmission

See the glossary for detailed information on use/application

Art. no.

Version

#### Custom module 2 x USB 2.0 A / A

Black



· Front: 2 x USB A socket

· Rear: Screw terminal 2 x 4-pole

· Requires approx. 40 mm installation depth







White



· Front: 2 x USB A socket

· Rear: Screw terminal 2 x 4-pole

· Requires approx. 40 mm installation depth





#### Custom module 1 x USB 2.0 A / B

Black



· Front: USB A socket · Rear: USB B socket

· Requires approx. 85 mm installation depth







**Black** 

917.019

· Front: USB B socket

· Rear: USB A socket

· Requires approx. 85 mm installation depth





#### Custom module 1 x FireWire

Black

917.037

· Front: FireWire 6-pole socket

· Rear: FireWire 6-pole socket

· Requires approx. 85 mm installation depth





#### **Custom module RS232 socket**

**Black** 

917.075

· Front: RS232 sub-D 9-pole socket

· Rear: Screw terminal 9-pole

Requires approx. 40 mm installation depth





# **Custom module RS232 plug**

Black

917.076

· Front: RS232 sub-D 9-pole plug · Rear: Screw terminal 9-pole

· Requires approx. 40 mm installation depth





# Data transmission

See the glossary for detailed information on use/application

Art. no. Version

Black

**Black** 

black

Front

Rear

# Custom module 1 x RS232 socket

917.012

- · Front: RS232 sub-D 9-pole socket
- · Rear: RS232 sub-D 9-pole socket
- · Requires approx. 70 mm installation depth





# Custom module 1 x RS232 crossover socket

917.116

- Front: RS232 sub-D 9-pole socket
- · Rear: RS232 sub-D 9-pin crossover plug (crossed)







#### Custom module PS2 mouse + keyboard

917.031

- · Front: 2 x MiniDIN 6-pole socket (mouse mint green; keyboard purple)
- · Rear: 2 x MiniDIN 6-pole socket (mouse mint green; keyboard purple)
- Requires approx. 50 mm installation depth





Art. no.

Version

# Pull-out cable for USB port, data cable can be extended to a length of approx. 500 mm

917.300

- · Front: USB A 2.0 plug; rear: USB A 2.0 socket
- · Fixed cable on rear with length of approx. 150 mm



#### Pull-out cable for network port, data cable can be extended to a length of approx. 700 mm

917.301

- Front and rear: RJ45 plug CAT3
- $\cdot$  Fixed cable on rear with length of approx. 150 mm



#### Pull-out cable for mobile devices, data cable can be extended to a length of approx. 480 mm

917.302

- · Front with 3 in 1 plug: Apple® 30PIN plug, micro USB 2.0 A plug,
- $\cdot$  Mini USB 2.0 A plug; rear: USB A 2.0 socket
- $\cdot$  Fixed cable on rear with length of approx. 150 mm



#### Power transmission

Art. no. Version

# **Custom module Power Con blue (power input)**

917.112

- · Front: Power Con socket, blue
- $\cdot\,$  Rear: Screw terminal, including 2 crimp sleeves and cover cap
- Requires approx. 40 mm installation depth



Black

**Black** 



# **Custom module Power Con grey (power output)**

· Front: Power Con socket, grey

- $\cdot$  Rear: Screw terminal, including 2 crimp sleeves and cover cap
- Requires approx. 40 mm installation depth





#### Control

See the glossary for detailed information on use/application

Black

Black

Black

**Black** 

Black

**Black** 

**Black** 

**Black** 

Front



Rear

Art. no. Version

#### Custom module with stainless steel button

917.046 · Front: Stainless steel button

- · Switching capacity: 50 mA/24 V/DC
- · Rear: Solder pins 2-pole
- · Requires approx. 30 mm installation depth





Custom module with stainless steel button, lights up blue

917.047 · Front: Stainless steel button, lights up blue (ring illuminated)

- Switching capacity: 50 mA/24 V/DC
  - Rear: Solder pins 4-pole
- · Requires approx. 30 mm installation depth





#### Custom module with automatic switchoff button

Front: Button, black;

- · Rear: Plug-in connector GST15i2 with approx. 1.0 m cable (suitable for power strips)
- · with automatic switchoff device, e.g. STEP switch off device 906.005
- · Requires approx. 40 mm installation depth





# Custom module with button

917.152 · Front: On/off switch

- · Rear: approx. 1.0 m 3G 1.0 mm² cable with end sleeves (labelled)
- · Requires approx. 60 mm installation depth





#### Custom module with switch (to control external devices)

· Front: 2-pole rocker switch, green

Rear: approx. 1.0 m H05VV-F 4G 1.50 mm<sup>2</sup> cable with end sleeves (labelled)



917.056

917.135

· Requires approx. 60 mm installation depth





- Custom module with 4-key keypad for media control unit
  - · 4-way universal pushbutton module
    - · for connecting to all controller programmable buttons, illuminated blue
  - · incl. various inserts with pictograms





# Custom module with 4-key keypads for KNX application

Front: 4 buttons, white, light up blue, with various pictograms for labelling

- · programmable on KNX installations; with integrated bus coupler;
- · Power supply: 30 V DC system voltage via bus push-in terminal;
- · Rear: Bus push-in terminal, 2-pole
- · Requires approx. 35 mm installation depth





# Custom module with 4-key keypad for EnOcean application

 $\cdot$  Front: 4 buttons, white, light up blue, with various pictograms for labelling

 $\cdot$  programmable on EnOcean application; with built-in radio module, battery buffered;

· Requires approx. 35 mm installation depth

IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION

#### Accessories

See the glossary for detailed information on use/application

Art. no.

Version

#### Custom module blank cover with screw dome

17.010 DI I

- $\cdot\,$  Blank cover as placeholder or for you to mount your own connector
- · Screw domes on rear of module for fastening
- · e.g. boards or blank holders
- · Material: Plastic, black, thickness 1.8 mm



Black

White

**Black** 

Black

**Black** 

#### Custom module blank cover with screw dome

917.167

- · Blank cover as placeholder or for you to mount your own connector
- · Screw domes on rear of module for fastening
- · e.g. boards or blank holders
- · Material: Plastic, white, thickness 1.8 mm



# Torx T6 screws for custom modules in Facility power strips

917.04

· Designed for 10 screwing cycles; contents: 10 items, black



# Torx T6 screws for custom modules in electrical installations (mounting plate) and 19" panels

917.111

· Designed for 10 screwing cycles; contents: 10 items, black



# Torx T6 screwdriver

917.040

· Torx T6 screwdriver to fit the screws on the custom modules





# Media technology

Bachmann media technology systems provide a flexible and elegant solution for custom media management in conference and training rooms. From simply switching between image and audio signals to a complete central control of all media, this solution can be tailored to the needs of every user.

With its state-of-the-art components, plus all connecting systems, Bachmann media technology systems offer all that is required for any application. Thanks to its modular construction and intelligent cabling, the system can be quickly installed or adapted to specific requirements.

The flexibility of Bachmann complete solutions is complemented by their elegance. Regardless of how complex the Bachmann media technology system configuration is, it can be quickly and easily integrated into the Bachmann FACILITY SOLUTIONS.

# The benefits at a glance

- $\cdot$  Simple plug-and-play principle
- · Electronics already integrated in the connection panel
- · Available for most Bachmann FACILITY SOLUTIONS
- · Pre-fitted cabling
- · Extension of image, sound and network signals
- · Simple, decentralised signal switching
- · Compact and space-saving unit

# Media Express -

Plug-and-play for simplicity and efficiency.



#### Ease of integration

Media Express is the solution for simple switching between image and audio signals. This system is already integrated in the connection panels of the Bachmann Facility product ranges. In addition to switching between signals, it gives a network connection to each user.

With Media Express the individual connection panels are linked in a series known as a 'daisy chain'. This chain requires only one cable set with 3 connections. Connections are inserted into the connection panels on a plug-and-play basis. No programming of the units is necessary and the sequence of the connection units can be freely selected. The system is self-initialising and can be used immediately.

#### Flexible switching

The signal-switching function enables image and audio signals to be sent from the connection panel to a projector or monitor screen. Authorisation to transmit the user's image and audio signal is activated by means of a dedicated button. An LED on the button indicates activation.

For image transmission the common 15-pin VGA sub-D system is provided on the front of the connection panel. This allows laptops to be connected easily using VGA connector cables. A special practical benefit is that no additional signal booster is necessary, as this is integrated into the feeder box. This ensures problem-free image transmission (so long as the maximum number of users and cable length are not exceeded). The system can be built with a single infeed.



Up to 6 connection panels can be linked via connector cables. No central switching box is required. Projectors or monitors can be connected directly to the feeder box.

#### Simplicity of linking

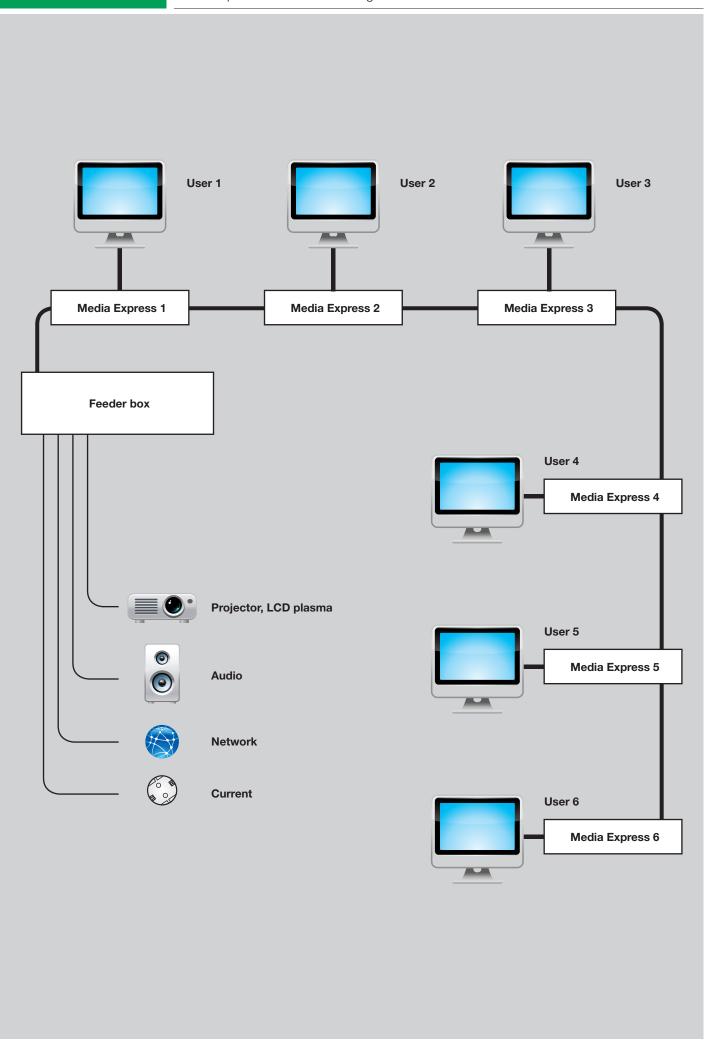
Connection to the network requires only one access point (via the feeder cable). Two RJ45 LAN ports with signal boosting on each connection panel allow laptops to be connected. Thus the network is linked from one user to the next via the connector cable. The built-in network switch is designed for 10/100 Mbit and is sufficient, depending on the specific installation, for up to six participants.

#### Feeder box

The system structure requires the use of a feeder box. This box provides the link between the connection panels and the output devices (projector, audio, network etc.).

Configuration information and lists of applications are available at

www.bachmann.com.



#### Overview of Media Express connections



# Media Express technical data:

#### Video/audio:

- · Hardware detect/automatic detection
- $\cdot$  Input signal: 0.7 Vss/75 ohm RGB, 5 VH&V-Sync, 1.8 Vss audio, 24 bit/96 kHz
  - 15-pin VGA sub-D plug
- · Output signal: 0.7 Vss/75 ohm RGB, 5 VH&V-Sync, 3.5 Vss audio, 24 bit/96 kHz
  - 26-pin sub-D socket
- · Video bandwidth: (+/-3dB) 300 MHz
- · Resolution max: 1600 x 1024
- · Transmission distance: 20 x MediaNet Express module/cable length: max. 50 m in total
- · Audio: Stereo L/R

#### Connections:

- · 1 x VGA sub-D 15-pole
- · 1 x 3.5 mm miniature jack stereo audio connection
- · 2 x LAN RJ45 socket
- · Sockets as per connection unit selected

## Network:

- · 2 x RJ45 port, 10/100 MBit
- · CAT5 with LED (speed and active LED)

#### Power supply unit:

- · 2.5A; 18V
- · Max. current consumption per connection unit 500 mA

#### Media Express

The Media Express unit can also be integrated into other FACILITY SOLUTIONS such as POWER FRAME and STEP. Please ask us for the configuration you require.

- · Anodised aluminium profile, black socket outlets, rotated 35°
- · Media Express
- · Power input: GST18i3
- · Power output: GST18i3

Art. no. Version

# \_

## 1 x earthing contact, GST18i3, short (TOP FRAME, CONFERENCE)

Length: approx. 260 mm



903.2000

- $\cdot$  1 x socket outlet with earthing contact
- · 1 x Media Express





Length: approx. 444 mm

1 x Media Express, 2 x custom module

903.2001

- · 3 x socket outlet with earthing contact
- · 1 x Media Express
- · 2 x custom module, empty



# C 2 x earthing contact, GST18i3 (CONI)

Length: approx. 356 mm

1 x Media Express, 1 x custom module

903.3000 · 2 x socket ou

 $\cdot$  2 x socket outlet with earthing contact

- · 1 x Media Express
- · 1 x custom module, empty



# 3 x earthing contact, GST18i3 (CONI)

Length: approx. 356 mm



- $\cdot$  3 x socket outlet with earthing contact
- · 1 x Media Express



# Media Express feeder box

Art. no. Version

#### Media Express feeder box

#### Signal feeder unit for Media Express system

903.400

Distribution of signals:

- · Image (projector), 15-pin VGA sub-D to 26-pin sub-D
- $\cdot$  Sound (loudspeakers), cinch stereo to 26-pin sub-D
- · Data (network), RJ45 to RJ45
- · Signal authorisation to 26-pin sub-D
- · RS-232 interface for optional programming



#### Media Express feeder cable

- · Feeder cable length 2.0 m
- · The cable set is held together in a textile-fibre sleeve

Art. no. Version

#### Media Express feeder cable

Feeder cable to feeder box

903.500

- · 1 x VGA plug 15-pole/sub-D 26-pole socket
- · 1 x CAT6 patch cable plug/plug, shielded
- · 1 x power cable for right-angled earthing contact plug and GST18i3 socket



### Media Express connector cable

- · Connecting cable, length 2.0 m
- $\cdot$  The cable set is held together in a textile-fibre sleeve

Art. no. Version

#### Media Express connector cable

To link one connection unit to another

- · 1 x sub-D 26-pole (90° plug / 45° socket)
- $\cdot\,$  1 x CAT6 patch cable plug/plug, shielded
- · 1 x power cable, Wieland GST18i3 plug and GST18i3 socket



# Typical order for 4 presentation stations



Quantity Art. no	Description
4 x	unit of your choice
	(903.2000, 903.2001, 903.2000, 903.2001)

**Media Express** 

Quantity	Art. no.	Description
1 x	903.400	Signal feeder unit for Media Express system
1 x	903.500	Feeder cable to feeder box

Feeder cable

Quantity	Art. no.	Description
3 x	903.600	Connecting cable
		to link one connection unit to another

Connection









**Projector** 

Audio

Network

Current

Configuration information and lists of applications are available at **www.bachmann.com**.

#### Facility control modules

Pushbutton modules in the Bachmann custom-module format offer convenient control of light and blinds in open-plan and individual offices and in meeting and conference rooms.

The control module is installed within the user's easy reach on the desk connection panel at office workstations or in meeting rooms. Then the lighting and blinds settings can be controlled with ease from the user's seat. The increased convenience lets the user respond to changing environmental situations - and thus save energy.

#### Facility control modules

The 4-way KNX pushbutton module is designed as a custom module and can be integrated into Bachmann desk connection panels either by the manufacturer or retrospectively. Installation in rack and electrical installations is also possible with the custom module system.



Functions such as switching, dimming, storage of lighting scenes, blind control etc. can be programmed by specialist personnel using the standard ETS software. For this, specialist knowledge and in-depth KNX training is required.

Each button can be custom configured and labelled accordingly (common pictograms are supplied). A blue lamp indicates the activity status.

This pushbutton module can be simply installed by KNX-trained personnel. The appropriate bus coupling is built into the module and can be simply connected to the bus cable by means of clips.

#### Custom module with 4-key keypad for KNX application

- · Front:
- · 4 x button, square, can be labelled, blue backlit, programmable on EIB/KNX installations
- · With integral bus coupler and bus terminal (can be labelled with physical address)
- · Power supply: 30 V DC system voltage via bus terminal
- $\cdot$  Use: e.g. as buttons for controlling lighting, blinds etc.







Art. no. Version

#### Micro clamp terminals

- · Rear:
- · Bus push-in terminals
- · Requires approx. 35 mm
- · built-in depth

#### EnOcean 4-way pushbutton module

The EnOcean pushbutton module offers wireless control of e.g. lighting, blinds, projector screen etc. Installation is simple: the pushbutton module can be used in Bachmann desk connection panels with custom modules or in wall or trunking installations. The required control signals are transmitted wirelessly to the receiving device. Each button can be separately programmed. EnOcean uses 868 MHz technology, practically eliminating interference.

No cable installation is required for this module. Power is obtained from a built-in battery that will last for up to 1 million switching cycles.

If required the EnOcean pushbutton module can also be linked into the KNX building control system bus.

#### Custom module with 4-key keypads for EnOcean application



Art. no. Version

#### Micro clamp terminals

- · Rear:
- · Includes battery
- · Requires approx. 35 mm
- built-in depth

- · Front:
- 4 x button, square, can be labelled, blue backlit
- · Programmable on EnOcean applications
- Power supply: Battery-buffered radio module Includes inserter with common pictograms
- Use: e.g. as buttons for controlling lighting, blinds etc.

#### Custom modules

Version Art. no.

#### Custom module VGA, miniature jack and button for media switch

917.134

- $\cdot$  Custom module to fit in Bachmann connection panels
- · 1x VGA 15-pole socket/socket
- $\cdot$  1 x 3.5 mm miniature jack socket with approx. 0.1 m cable and 3.5 mm miniature jack socket
- $\cdot$  1 x button, blue illuminated, with approx. 0.1 m cable and RJ12 for controlling switch
- · Requires approx. 70 mm installation depth



#### Custom module with 4-key keypad for MediaNet control unit

#### Can be used in all FACILITY SOLUTIONS

917.193

- · 4-way universal pushbutton module
- $\boldsymbol{\cdot}$  for connecting to all controller programmable buttons, illuminated blue
- $\cdot$  incl. various inserts with pictograms





#### Combi cables

Art. no.	Length	Version

15-pole VG	A HD exten	sion cable
1 x VGA		
918.009	1.0 m	High-quality VGA cable to connect:
940.047	3.0 m	· Connection panel to laptop
940.048	5.0 m	· Connection panel to signal booster
		· Signal booster to monitor/TV (optional)
		· End 1: 1 x VGA plug -15 HD
		· End 2: 1 x VGA plug -15 HD

1 x VGA, 1 x miniature jack		
918.066	1.0 m	High-quality VGA cable to connect:
918.067	3.0 m	· Connection panel to laptop
918.068	5.0 m	· Connection panel to signal booster
918.069	10.0 m	· Signal booster to monitor/TV (optional)
		· End 1: 1 x VGA plug 15 HD, 1x miniature jack plug 3.5 mm
		· End 2: 1 x VGA plug 15 HD, 1x miniature jack plug 3.5 mm
		· Plug with metal housing and shielding

1 x VGA, 1 x miniature jack, 1 x control signal		
903.107	1.0 m	· Professional high-quality VGA cable also with audio and
903.108	3.0 m	control cable for switching the switch via the button in the
903.109	5.0 m	· Custom module 917.134
903.110	10.0 m	· End 1: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm;
		· 1 x RJ12 for button
		· End 2: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm;
		· 1 x RJ12 for button
		· Plug with metal housing and shielding
	•	•





















#### The benefits at a glance

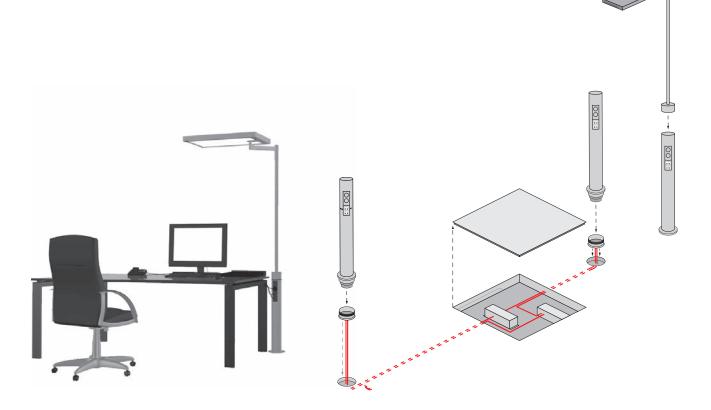
- $\cdot$  Delivers exactly what is needed to each workstation
- $\cdot$  Provides power, data and media connections and lighting
- · Modular and multifunctional from cable connections from the floor box to mobile power columns (with or without light fittings)
- · Attractive, harmonious visual design
- $\cdot$  No tangle of cables under the desk
- · Provides optimal lighting

LanLight® combines power, network connectivity, connections to media and even lighting in a modular, multifunctional system whose consistently modular construction lets you adapt and use it flexibly in office environments. The system creates order in providing the various connections required at the workplace, and so increases safety. With its clear design language and high quality materials it fits harmoniously and unobtrusively into its surroundings.

The LanLight® basic module can accommodate a variety of module inserts. These include floor box inserts for all media - from socket outlets with earthing contact to HDMI sockets - that are also available fully pre-installed, with tested connecting cables.

A special feature is the new type of self-contacting used in the basic LanLight® module with mobile power column, in which all connections are created by a single plugging action.

LanLight® fits into a hole of only 152 mm diameter. This ease of installation, together with its compact size and the functionality provided by the modular design, mean that installations and devices that use energy only need to be fitted in the places where they are really needed. Thus LanLight® can be installed to meet specific requirements, and is equally easy to remove. Benefit: during restructuring, individual system components are reused over and over again, and there is no need for the usual installation materials.



Used together with consolidation points, LanLight® can deliver power, data, media and lighting to practically any point in the room. The optimum cable length is up to nine metres.

The LanLight® brand belongs to Bierbrauer Hoff Planungsgesellschaft mbH

### LanLight® offers ...

- · a cable outlet
- · a floor box with various inserts for a wide range of applications
- plug-in mobile power columns with 2 power circuits and up to 8 data connections with self-contacting interface (mobile column)
- · plug-in power columns with 2 power circuits and up to eight data connections with prepared patch cables
- $\cdot$  a plug-in lighting module, one-sided, with lighting head that swivels on two axes
- $\cdot$  a plug-in lighting module, double-sided, with swivelling lighting head



Base unit 924.1016 Modular socket

#### Floor outlet

No insert required

#### Floor box versions



Connection plate 924.4000 4 x power Wieland GST15i3 8 x keystone mount



Earthing contact connecting unit 924.4002 2 x socket outlet with earthing contact 4 x keystone mount



Media connection plate 924.4003 3 x power Wieland GST15i3 3 x custom media module mount

#### Basis for patch versions



Patch column mount 924.1041 Cone for patch column

#### Basis for self-contact system



Connection plate 924.4005 Self-contact system 2 x power for max. 2 x data cable set 924.700



Data cable set 924.700 4 x Terra CAT7 jack, length 6 m

#### Stage 1

Stage 2

The LanLight® brand belongs to Bierbrauer Hoff Planungsgesellschaft mbH





Lift-off cover set

**Lift-off cover set** 924.1018 Stainless steel







LODWIG lamps on requi

Lamps

#### Stage 1: LanLight® base unit



Version

#### Base unit for all LanLight® components

#### Modular socket

924.1016

- · Fits into raised and false floors
- · Fixes in round cut-out with diameter 152 (+1) mm
- · For floor thicknesses from 25 to 70 mm (min. floor thickness 35 mm for column versions)
- · Fixed by three clamping claws
- · Overall height: 97 mm, installation depth: 93 mm, external diameter: 162 mm
- · Die-cast aluminium

#### Stage 2: LanLight® inserts

Art. no.

Version

#### 8P/4S connection plate with breakout cable and GST18i3 plug

#### Connection plate for fitting in LanLight® lift-off cover set

24.4001

- For connecting up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (keystone)
- · Rear strain relief for power connections
- · Disengagement aid for Wieland GST15i3 plugs
- · 4 x Wieland GST15i3 sockets, fitted,
- $\cdot$  including 0.2 m H05VV-F3G 2.5 mm² supply cable to GST18i3 plug
- · To connect up to 8 data jacks (keystone)
- · Rear strain relief for power connections
- · Coded connecting points (data 1-8, power A-D)
- · Diameter: 114.8 mm

#### 8P/4S connection plate for mains connection by client

#### Connection plate for fitting in LanLight® lift-off cover set

924.4000

- For connecting up to 4 Wieland GST15i3 sockets (power) and 8 data jacks (keystone)
- · Rear strain relief for power connections
- · Disengagement aid for Wieland GST15i3 plugs
- · Coded connecting points (data 1-8, power A-D)
- · 4 x Wieland GST15i3 sockets
- · To connect up to 8 data jacks (keystone)
- · Diameter: 114.8 mm

#### Earthing contact unit 4P/2S with breakout cable and GST18i3 plug

#### Connection plate for fitting in LanLight® lift-off cover set

924.4009

- · To connect up to 4 data jacks (keystone)
- $\cdot\,$  Rear strain relief for power connections integrated in housing
- · Coded connections (data 1-4, power A-B)
- $\cdot$  Incl. 2 x 0.2 m H05VV-F3G 2,5 mm² supply cable to GST18i3 plug
- · Diameter: 114.8 mm

#### Earth contact unit for 4P/2S connection plate for mains supply by client

#### Connection plate for fitting in LanLight® lift-off cover set

- $\cdot\,$  To connect up to two phases to the earthing contact socket outlets
- · To connect up to 4 data jacks (keystone)
- $\cdot\,$  Rear strain relief for power connections integrated in housing
- · Coded connections (data 1-4, power A-B)
- · Diameter: 114.8 mm









Art. no. Version

#### Connection plate for 3 x custom modules and 3 x power with breakout cable and GST18i3 plug

С

#### Connection plate for fitting in the LanLight $\hspace{-0.5em}^{\scriptscriptstyle{\textcircled{\tiny 0}}}$ cover guide

924.4004

- · Accepts up to 3 Bachmann custom modules
- · 3 x Wieland GST15i3 sockets, fitted,
- · including 0.2 m H05VV-F3G 2.5 mm² supply cable to GST18i3 plug
- · Rear strain relief for power connections
- · Disengagement aid for Wieland GST15i3 plugs
- · Coded connecting points (data 1-3, power A-C)
- · Diameter: 114.8 mm



#### Media connection plate 3 x custom module and 3 x power for mains connection by client

Connection plate for fitting in LanLight® lift-off cover set

924.4003

- · For connecting up to 3 Wieland GST15i3 sockets (power)
- $\cdot\,$  and 3 Bachmann custom modules
- $\cdot$  Rear strain relief for power connections
- · 3 x Wieland GST15i3 sockets
- · Disengagement aid for Wieland GST15i3 plugs
- · Coded connecting points (data 1-3, power A-C)
- · Diameter: 114.8 mm



#### Cone as tower holder

Cone as column holder

- · Used to directly mount the LanLight® columns
- · For 924.5002, 924.5003 and 924.6000



#### Lift-off cap variants

Art. no.

Version

#### Lift-off cap set with stainless steel inlay

Lift-off cap set to fit in the modular installation box

924.1018

- $\cdot$  Two positions: Open during use / closed when not in use
- $\cdot$  With catch mechanism when open
- · With dust protection as cable bushing
- · With labelling card for connections
- · With stainless steel inlay
- · Inlay diameter: internal 49 mm, external 142 mm
- · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



#### Lift-off cap set 5 mm / 8 mm

Lift-off cap set to fit in the modular installation box

924.1038

- · Two positions: Open during use / closed when not in use
- · With catch mechanism when open
- · With dust protection as cable bushing
- · With labelling card for connections
- · For gluing dry maintained surfaces
- $\cdot$  5 mm or 8 mm thick (e.g. carpet, laminate)
- · Inlay diameter: internal 49 mm, external 142 mm, lining depth 5 mm or 8 mm
- · Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm



#### Twist-off cover for 12 mm inlay

Twist-off cover to screw onto cone to hold column

- $\cdot$  Cover to close modular installation box with cone (924.1016, 924.1041)
- · Water protected
- $\cdot$  For inlay (e.g. stone/tiles) with approx. 12 mm thickness
- $\cdot$  Incl. mounting wrench and sleeves
- · Inlay diameter: inner 139 mm

#### Stage 3: LanLight® extension units

#### 4P/2S patch column, one-sided

#### Column for 1-2 workstations

924.5002

- · Simple mounting on the LanLight® conical holder (924.1041)
- · 2 socket outlets with earthing contact (2 phases) and 4 CAT6, jacks (keystone)
- · Coded connections (data 1-4, power A-B)
- $\cdot$  2 x 6 m H05VV-F3G 2.5 mm² power supply cable to Wieland GST18i3 plug
- · 4 x 6 m data cables, CAT6, jack to CAT6, plug
- · Socket outlets: 2-pole with earthing contact, 16A/3680W, AC250V, IP20, black
- · Column can be expanded by inserting a LanLight® system lamp
- · Column materials: Extruded aluminium, powder-coated silver-grey similar to RAL9006
- · Height 640 mm, diameter 95 mm



#### Patch column 8P/4S two-sided

#### Column for 3-4 workstations

924.5003

- · Simple mounting on the LanLight® conical holder (924.1041)
- · 4 socket outlets with earthing contact (2 phases) and 8 CAT6, jacks (keystone)
- · Coded connecting points (data 1-8, power A-D)
- $\cdot$  4 x 6 m H05VV-F3G 2.5 mm<sup>2</sup> power supply cable to Wieland GST18i3 plug
- · 8 x 6 m data cables, CAT6\_ jack to CAT6\_ plug
- $\cdot$  Socket outlets: 2-pole with earthing contact, 16A/3680W, AC250V, IP20, black
- · Column can be expanded by inserting a LanLight® system lamp
- $\cdot$  Column materials: Extruded aluminium, powder-coated silver-grey similar to RAL9006
- · Height 640 mm, diameter 95 mm



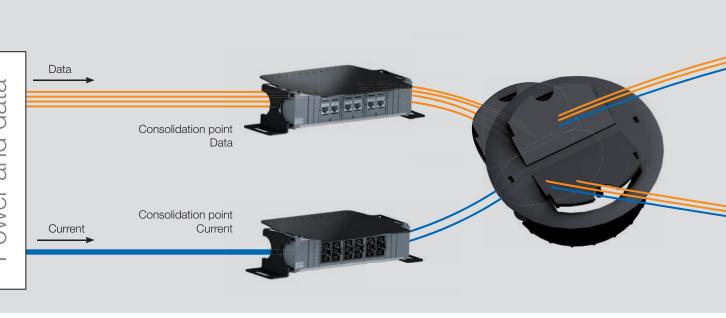
#### Mini patch column 2S

#### Mini column

- · Mini patch column, simple mounting on the
- · LanLight® cone holder (924.1041)
- · 2 socket outlets with earthing contact (2 phases)
- $\cdot$  Coded connecting points (power A-B)
- · 30 mm surge water protection
- $\cdot$  2 x 0.2 m breakout cable H05VV-F3G 2.5 mm² and GST18i3 plug incl. GST T-piece
- $\cdot$  Socket outlets: 2-pole with earthing contact, 16A/3680W, AC250V, IP20, black
- · Column materials: Extruded aluminium, powder-coated silver-grey similar to RAL9006
- $\cdot$  Height 150 mm, diameter 95 mm







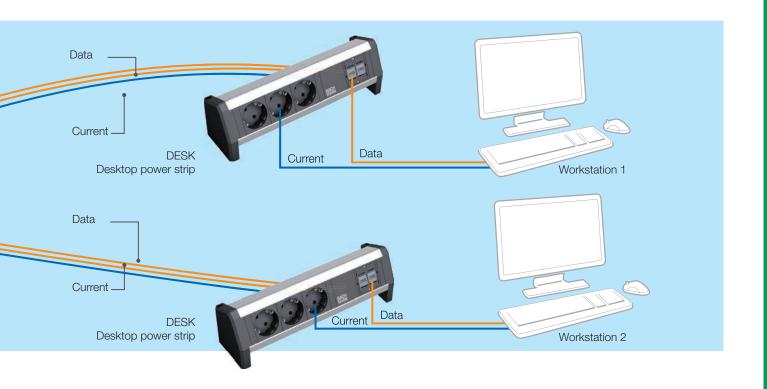
# Consolidation point Installation solutions from a single supplier

Bachmann's new system for under-floor distribution and installation, based on the MUTO (multi-user terminal outlet) concept, offers a coherent and simple installation solution that brings power and data to the desktop.

The consolidation points for power and data are linked to the floor distributor in the conventional way. Floor outlets and desktop power strips from the Bachmann Facility range complete the installation kit. After the consolidation point the floor outlet allows power and data to be conveyed with ease to the workstation. This dispenses with complicated and inflexible installations such as traditional floor box systems.

Thanks to the "open-office cabling", CP and MUTO concepts the network installation is flexible, future-proof and at the same time cost-optimised. The combination of power and data connections can be found in various Bachmann FACILITY SOLUTIONS. They thus offer a user-focused unit providing all necessary connections.

In the complete Bachmann catalogue you can also find various desktop power strips for mounting on top of or fitting into office workstation desks. All versions can be configured as required and supplied ready for use.



#### **CP** mounting

- $\cdot$  Robust steel plate mounting for CPs
- · Mountings with secure, tool-free clip-in and release mechanism
- · Anchors firmly on the floor with integrated screw-on brackets
- · Mountings with extra step protection of approx. 200 kg incl. CP unit
- · Raised position of CP units for greater protection in case of minor ingress of water



#### **CP** power

- $\cdot$  Power CP is fully wired and electrically tested at the factory
- · Power connections with connector systems by Wieland (Gesis GST); Wago (Winsta) versions available on request
- · Other connector systems can be fitted if required
- · Time-optimised on-site installation
- $\cdot$  Future-proof thanks to flexible structure



#### CP data

- $\cdot$  CP data flexible and modular based on custom modules
- · Various manufacturers' systems can be integrated
- $\cdot$  Easy to install and future-proof thanks to modular structure
- · Should a change be necessary, only the data connector unit is changed
- · Mounting and unit remain unchanged
- $\cdot$  Additional strain relief for data connection can be provided with cable ties



#### Consolidation point units for power

- Fully wired and electrically tested
- With Wieland GST18i3 plug-in connector

Art. no. Version





Consolidation	Consolidation point units for power		
Long			
919.2002	· 12-way GST18i3 socket, black, 1-phase		
	· Power input: GST18i3		
919.2003	· 2 x 6-way GST18i3 socket, 2-phase		
	· Sockets in black and red		
	· Power input: GST18i3		
919.2004	· 3 x 4-way GST18i3 socket, 3-phase		
	· Sockets in black, red and grey		
	· Power input: 3x GST18i3 socket		
919.2005	· 3 x 4-way GST18i3 socket, 3-phase		
	· Sockets in red, black and grey		
	$\cdot$ Power input is via the end cap with rewireable terminal to allow connection by user		

#### Consolidation point units for data

- Without power, to integrate with Bachmann custom modules
- Anodised aluminium profile

Version Art. no.



912.000	· 3 x custom modules, empty
	· Short: 217 mm
912.001	· 6 x custom modules, empty
	· Long: 356 mm

#### Consolidation point mounting

- Colour black similar to RAL 9005
- Mounting, steel plate

Art. no. Version

#### **Consolidation point mounting**

L x W x H: 295 x 85 x 65 mm

919.1100 · Short (for units with 3 modules)

#### Consolidation point mounting

L x W x H: 435 x 85 x 65 mm

919.1101 · Long (for units with 6 modules)



#### Floor outlet for dry-maintained floors

Outlet for dry-maintained floors (raised and false floors) from 24 mm thickness for the cable outlet from the sub-floor (consolidation point) to the power strip on the desk. The outlet features a very simple universal fixing. With one rotation of each of the two eccentric Allen bolts in the outer ring the outlet is anchored firmly into the floor, yet can easily be removed again if required. Two flaps, each of which can be opened to a position independent of the other, allow cabling to be routed out from the floor. The flaps can be snap-fastened in open positions, thus preventing cables becoming bent and possibly damaged. If required the flaps can be rotated through 130° with the inner ring. Textile-fibre sleeves or cable management systems from the Bachmann range can be docked to the outlet flaps. If the outlet is no longer used, the flaps can be lowered and used as a blank cover that can be stepped on.

- · Exit point/ground outlet for power supply lines and data lines
- · Fits in raised floors with thicknesses from 24 mm
- For hole diameter 112 mm
- Simple fixing mechanism with Allen bolts
- 2 flaps, rotatable though approx. 130°, for cable outlet
- · Material: polyamide (halogen-free)

Art. no.

Version

Exit point/ground outlet

similar to RAL 9005

919.1000 · Black similar to RAL 9005



#### Data cables -> Transfer of data within various categories

(see glossary) Used for network and IP telephone services

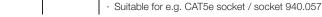


#### Art. no. Length Version

#### CAT5e patch cable plug/plug

	. Junio piug
918.003	1.0 m
940.052	3.0 m
940.053	5.0 m

CAT5e cable, shielded, colour grey · Conforms to ISO / IEC 11801 and EN 50173 · Ends 1 and 2: RJ45 plug with protective rubber sleeve and · protective tongue for interlock





#### CAT6 patch cable plug / plug

940.040	3.0 m
940.041	5.0 m

- CAT6 cable, shielded, colour grey
- $\cdot$  Conforms to ISO / IEC 11801 and EN 50173
- · Ends 1 and 2: RJ45 plug with protective rubber sleeve and
- · protective tongue for interlock
- · Suitable for e.g. CAT6 socket / socket 940.044



#### CAT6a patch cable plug / plug

918.006	1.0 m
918.007	3.0 m
918.008	5.0 m

- · CAT7 cable, shielded, colour black
- · Conforms to IEC 61156-6
- · Ends 1 and 2: RJ45 Hirose TM12 CAT6a plug with
- · protective rubber sleeve and unlocking tongue
- · Suitable for e.g. CAT6 socket / socket 940.044



#### CAT6a patch cable plug

918.033	3.0 m
918.034	5.0 m

- · CAT7 cable, shielded, colour black
- · Conforms to IEC 61156-6
- · End 1: RJ45 Hirose TM12 CAT6a plug with protective rubber sleeve and
- · unlocking tongue. End 2: CAT6a TKM 10 GB keystone socket.
- · Fits into keystone frames 917.000 / 917.001 / 917.061 / 917.062



#### RJ12 patch cable plug / plug

940.089*	3.0 m
40.009	0.011

- · RJ12 cable, unshielded, colour black
- Conforms to ISO / IEC 11801 and EN 50173
- · Ends 1 and 2: RJ12 plug with protective rubber sleeve
- · Suitable for e.g. RJ12 socket / socket 940.085

#### VGA 15-pole HD with or without miniature jack cable (stereo 3.5 mm) ->

Transmission of analogue image and audio signals





### VGA 15-pole HD combi cable with miniature jack

918.066	1.0 m
918.067	3.0 m
918.068	5.0 m
918.069	10.0 m

- · High quality cable, high flexibility, colour black · End 1: 1 x VGA plug 15 HD, 1x miniature jack plug 3.5 mm
- · End 2: 1 x VGA plug 15 HD, 1x miniature jack plug 3.5 mm
- · Plug with metal housing and shielding,
- · additional ferrite cores are not needed
- · can be used for custom modules with VGA +
- · Mini stereo jack socket / socket (e.g. 917.045 etc.)



#### VGA 15-pole HD

918.009	1.0 m
940.047	3.0 m
940.048	5.0 m

- · High quality cable, flexible, colour black
- · End 1: 1 x VGA plug -15 HD
- · End 2: 1 x VGA plug -15 HD
- · Can be used with custom modules with VGA socket / socket (e.g. 917.011)



#### Media VGA 15-pole HD combi cable with miniature jack

(3.5 mm stereo) and RJ12 (signal control) for media switch

Art. no. Length Version

VGA 15-pole	HD combi	cable with miniature jack and signal control
903.107	1.0 m	· High quality cable, high flexibility, colour black
903.108	3.0 m	· End 1: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm and RJ12 plug
903.109	5.0 m	· End 1: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm and RJ12 plug
903.110	10.0 m	· Plug with metal housing and shielding,
		· additional ferrite cores are not needed
		· can be used for custom modules with VGA
		· + mini stereo jack socket / socket and button (e.g. 917.134)





#### HDMI connecting cable -> digital transmission of image and audio signals

Art. no.	Length	Version	
HDMI conne	ecting cable		Note*
918.0191	1.0 m	· HDMI cable, colour black	
918.0192	3.0 m	· HDMI standard 4K x 2K	
918.0193	5.0 m	· End 1: 19-pole HDMI plug	
		· End 2: 19-pole HDMI plug	
		· Can be used with custom modules with HDMI socket/socket (e.g. 918.040)	
918.0201	7.5 m	· HDMI cable, colour black	
		· HDMI standard 4K x 2K	
		· End 1: 19-pole HDMI plug	
		· End 2: 19-pole HDMI plug	
		· Long distance	
		· Solid metal	
		· Can be used with custom modules with HDMI socket/socket (e.g. 918.040)	



#### DVI-I connecting cable -> digital transmission of image signals

(compatible with DVI-A and DVI-D plug-in connectors)

Art. no.	Length	Version

DVI-I conne	cting cable	
918.017	3.0 m	· DVI cable, colour black
918.018*	5.0 m	· End 1: 1 x DVI plug
		· End 2: 1 x DVI plug
		· Can be used with custom modules with DVI-I socket / socket (e.g. 917.021 / 917.078)



Cinch video + audio stereo connecting cable -> transmission of analogue image and audio signals

Art. no.	Length	Version
Cinch video	+ stereo co	onnecting cable
918.015*	3.0 m	· Cinch connecting cable set, colour black
918.016*	5.0 m	· End 1: Cinch plug (red + white + yellow)
		· End 2: Cinch plug (red + white + yellow)
		· Can be used with custom modules with Cinch socket / socket (e.g. 917.026)



#### S-video (Hosiden) connecting cable -> transmission of analogue image signals

Art no	Lenath	Version	

S-video	(Hosiden)	connecting	cab

940.104*	3.0 m
940.105*	5.0 m

- S-video (Hosiden) connecting cable, colour black
- · End 1: S-video plug
- · Can be used with custom modules with S-video socket /
- · socket (e.g. 917.028 / 917.035)



#### 3.5 mm miniature socket connection cable -> transmission of audio signals



Version Length

3.5 mm min	iature jack c	onnecting	cable for	audio signa	als

918.010	1.5 m	· 3.5 mm miniature jack (stereo) connecting cable, colour black
918.011	2.5 m	· End 1: 3.5 mm stereo miniature jack plug
918.012	5.0 m	· End 2: 3.5 mm stereo miniature jack plug
		· can be used for custom modules with stereo jack
		· socket / socket (e.g. 917.045 / 917.157)

#### Cinch stereo connecting cable -> transmission of audio signals



Length Version Art. no.

Cilicii Stere	a connecmi	g cable for audio signals
940.049	3.0 m	· Cinch (stereo) connecting cable, colour black
		· End 1: Cinch stereo plug (red + white)
		· End 2: Cinch stereo plug (red + white)
		· can be used for custom modules with Cinch
		socket / socket (e.g. 917 027 / 917 028 / 917 022 / 917 023)

#### XLR connecting cable -> transmission of audio signals (e.g. from microphone)



#### Length Version

XLR 3-pole connecting cable for audio signals			
918.013	3.0 m	· XLR 3-pole connecting cable, colour black	
918.014	14 5.0 m · End 1: XLR 3-pole plug with interlock		
		· End 2: XLR 3-pole socket with interlock	
		· Can be used with custom modules with XLR connector (e.g. 917.024)	

#### USB 3.0 connecting cable



Art. no. Length Version

ı	USB 3.0 A/B connecting cable			
	917.1205	1.0 m	· USB A/B connecting cable, black	
	917.1203	3.0 m	· End 1: Plug A / end 2: Plug B	
			Fully wired	

Art. no.

Length

#### USB 3.0 A/A connecting cable (straight through, not for host-to-host connection)

918.176	1.0 m	· USB A/A connecting cable, black, grey plug
918.178	2.0 m	· End 1: Plug A / end 2: Plug A
918.177	3.0 m	· Can be used with custom modules with USB A socket
		· (e.g. 917.018 / 917.019 / 917.400 / 917.401)
		· Fully wired straight through, not suitable for host-to-host connection

#### USB 3.0 connecting cable for host-to-host connection

Version



OSD 3.0 A/A connecting cable (crossed, for nost-to-nost connection)		Cable (Clossed, for flost-to-flost Confidention)	
	918.081	1.0 m	· USB A/A connecting cable, black, black plug
	918.083	1.8 m	· End 1: Plug A / end 2: Plug A
	918.082	3.0 m	· Can be used with custom modules with USB A socket
			· (e.g. 917.018 / 917.019 / 917.400 / 917.401)
			· Fully wired, 3.0 data pairs crossed for host-to-host connection

#### FireWire connecting cable -> transmission of data



Length Version Art. no.

FireWire	connect	tina	cable

Firewire cor	Firewire connecting capie		
918.024	4.5 m	5 m FireWire connecting cable, colour black	
		· End 1: FireWire 6-pole plug	
		· End 2: FireWire 6-pole plug	
		· Can be used with custom modules with FireWire socket / socket (e.g. 917.037)	

#### Power supply cables for Bachmann FACILITY SOLUTIONS

Cables fitted with Wieland GST18 plug-in connectors are available to connect Facility products to the mains power supply. The benefits of these cables and their connectors, which are used all over the world, are flexibility in terms of length, the possibility of exchanging them should length requirements change, and availability for a variety of countries. Even extending the power supply to other power strips presents no problem and can usually be done without tools.



Art. no.	Length	Version	
Device supp	ply cable, G	ST18 earthing contact	black
375.000 375.075 375.003 375.005 375.007 375.039	1.5 m 2.0 m 3.0 m 4.0 m 5.0 m	Cable: H05W-F 3G 1.5 mm²     End 1: Right-angled earthing contact plug     End 2: Wieland GST18i3 socket	
Halogen-free 375.044 375.045 375.046	2.0 m 3.0 m 5.0 m	Cable: S05VV-F 3G 1.5 mm²     End 1: Right-angled earthing contact plug     End 2: Wieland GST18i3 socket	

#### Device supply cable with additional earth connection

- · Pre-assembled power supply cables with integrated earth connection
- · The power strip is earthed independently of the installation
- · Ideal in combination with STEP power strips (see from page 137)
- · Table-mounted frames can be earthed independently of the power strip fitted in them

Art. no.	Length	Version			
Device sup	ply cable, G	ST18 earthing contact		black	
With extra e	arth connecti	on			
375.115	2.0 m	· Cable: H05VV-F 3G 1.5 mm²			
375.116	3.0 m	End 1: Right-angled earthing contact plug	9		
375.117	5.0 m	· End 2: Wieland GST18i3 socket with 0.3	5 m		
		· 1.5 mm² green/yellow with M6 ring termin	nation		
Device sup	ply cable, G	ST18, plug CH / Switzerland		Black	
375.016	1.5 m	· Cable: H05VV-F 3G 1.0 mm <sup>2</sup>		+	-
375.017	3.0 m	· End 1: CH / Switzerland plug			
375.018	5.0 m	· End 2: Wieland GST18i3 socket			
Device sup	ply cable, G	ST18, plug UK 13A		Black	
375.068	2.0 m	· Cable: H05VV-F 3G 1.5 mm <sup>2</sup>			
375.069	3.0 m	· End 1: UK 13A plug			
375.070	4.0 m	· End 2: Wieland GST18i3 socket			
Device exte	ension cable	e, GST18/GST18		Black	
375.050	0.3 m	· Cable: H05VV-F 3G 1.5 mm²			10000018 100000001
375.053	1.0 m	· End 1: Wieland GST18 i 3 plug			
375.038	2.0 m	· End 2: Wieland GST18 i 3 socket			
375.055	3.0 m				
Halogen-free	e cable			Black	
375.080	0.3 m	· Cable: S05Z1Z1-F3G 1.5 mm²			
375.081	1.0 m	· End 1: Wieland GST18i3 plug			with a sales
375.082	2.0 m	· End 2: Wieland GST18i3 socket			
375.083	3.0 m				
Device exte	ension cable	e, GST15/GST18		Black	
375.127	1.5 m	· Cable: H05VV-F 3G 1.5 mm²			
375.128	3.0 m	· End 1: Wieland GST15 i 3 plug	<b>LanLight</b> ®		THE AME
375.129	5.0 m	· End 2: Wieland GST18 i 3 socket	LanLight		

#### wieland

#### Cables with ST18 connector system (old system, cannot be plugged in under load)

Art. no.	Length	Version
----------	--------	---------

Device supply cable, ST18 earthing contact



375.079	2.0 m	· Cable: H05VV-F 3G 1.5 mm²
375.040	3.0 m	· End 1: Right-angled earthing contact plug
375.076	5.0 m	· End 2: Wieland ST18/3 socket

with the same of t	NAME:

Device extension cable, ST18/ST18 Blace		
375.071	0.5 m	· Cable: H05VV-F 3G 1.5 mm²
375.072	1.0 m	· End 1: Wieland ST18/3 plug
375.073	1.5 m	· End 2: Wieland ST18/3 socket
375.064	3.0 m	

#### Connectors / distributors



Art. no.	Version	Version	
Inter-coupli	Inter-coupling Black		
No interlock			
375.500	GST/GST	· For easy connection of, for example,	
375.515	GST/ST	2 STEP power strips with the same     or different plugging systems	
375.516	ST/GST	· 1 x input (plug) and 1 x output (socket)	



For power distribution		
375.101	1 x input, 2 x output (1)	
375.102	1 x input, 2 x output (2)	
375.105	1 x input, 3 x output (3)	

Multiplier, GST18

· Input: 3-pole plug
· Output: 3-pole socket

Black



Through-wired for 3-phase power, 5 and 3-pole		
375.106	1 x input, 1+6 x output · Input: 1 x 5-pole plug	
		· Output: 1 x 5-pole socket;
		· 6 x 3-pole socket per outer cable

#### Interlocks

Art. no. Version Version



#### Interlock for appliance plugs and couplings



Locking latch (interlock)

375.518 Wieland 05.587.3156.1

- · Snaps onto the corresponding plugs
- · and couplings



## Compliant with VDE 0628 375.501 Black For snap-in fitted plug and coupling Wieland 05.584.0153.0

#### Accessories

Art. no. Version Version



Ellu Cap		
375.503	Black	· Plugs into the snap-in built-in plug and
	Wieland 05.561.3653.1	· coupling



Art. no. Version Version

#### Appliance plug with screw terminal, GST18

375.504	Black	· Ready to fit, with strain relief
	Wieland 92.932.3053.1	· For cross section 0.75 – 2.5 mm², solid and flexible
375.517	White	· Conductors without end sleeves can be connected
	Wieland 92.932.3052.0	· For cable diameters 6.5 – 10.5 mm
		· (H05\/\/ NYM)



#### Appliance plug with spring-loaded terminal, GST18i3

Lockable, co	ded	
940.073	Bright red	· Ready to fit, with strain relief
	Wieland 92.934.0553.0	· For rigid cables from 1.5 – 2.5 mm²,
940.074	Pebble grey	· Flexible cables 1.5 mm² with end sleeves
	Wieland 92.934.0153.0	· 2 connections per pole, not mounted,
		· For H05VV, NYM cables (diameter 7.8 – 10.3 mm)



#### Appliance coupling with screw terminal, GST18i3

375.505	Black	· Ready to fit, with strain relief
	Wieland 92.931.3053.1	· For cross section 0.75 – 2.5 mm², solid and flexible
375.514	White	· Conductors without end sleeves can be connected
	Wieland 92.931.3053.0	· For cable diameters 6.5 – 10.5 mm
		· (H05VV, NYM)



#### Appliance coupling with spring-loaded terminal, GST18i3

Lockable, coded		
940.070	Bright red	· Ready to fit, with strain relief
	Wieland 92.933.0553.0	· For rigid cables from 1.5 – 2.5 mm²,
940.071	Pebble grey	· Flexible cables 1.5 mm² with end sleeves
	Wieland 92.933.0153.0	· 2 connections per pole, not mounted,
		· For H05VV, NYM cables (diameter 7.8 – 10.3 mm)



#### Snap-in fitted plug, spring loaded, GST18

interlock

375.506	Black	· Flexible cable 0.5 – 1.5 mm² with end sleeve
	Wieland 92.032.9658.1	· Rigid cable 0.5 – 2.5 mm²



#### Snap-in fitted coupling, spring loaded, GST18i3

### With interlock

75.507	Black
	Wieland 92.031.9658.1



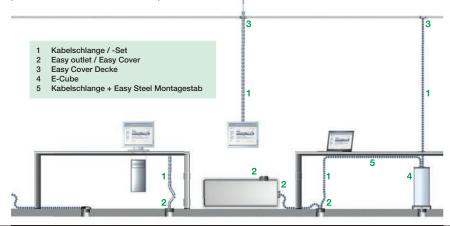


# Cable management Perfect installation solutions

Bachmann banishes unwieldy cables from workstations. The KABELSCHLANGE® cable management system allows the optimum routing of cables at workstations between desk, floor box, wall duct and the various devices.

Bachmann can offer the best cable management system for every situation. Whether the cables run along the floor or are routed from the floor to the desk, the systems are mutually compatible. A well-thought-out and integrated cable management concept is available to you.

The various systems are available finished in black and silver as standard, but we can provide custom colours on request.



#### Flexible cable management system

- · The links are safe to step on and break-proof, and can be moved about relative to one another.
- · The power strip is earthed independently of the installation
- · 2 connector shoulders for the transmission of forces (including torques and lateral forces)
- · Special geometry enables individual cables to be unfurled through the sides of the links without risking crushing

Art. no. Colour Version

#### Kabelschlange® Classic (for horizontal and vertical cable routing)

930.030	Black
930.031	Silver

- 3-chamber system to separate low-current, data and power cables
- · 46 chain links, W x H: approx. 53 x 23 mm
- · Length (separated): approx. 100 cm, (pushed together): approx. 72 cm

# ASSESSION OF THE PARTY OF THE P

Individual

**Plugging** 

**Shortening** 

Extending

#### Kabelschlange® Cube (for horizontal and vertical cable routing)

930.058	Black
930.059	Silver

- · 2-chamber system to separate data and power cables
- · 34 chain links, W x H: approx. 55 x 25 mm
- · Length (separated): approx. 100 cm, (pushed together): approx. 69 cm



#### Kabelschlange® Pro (for horizontal and vertical cable routing)

930.032	Black
930.033	Silver

- · Increased resistance to being stepped on even in high foot traffic areas such as passages
- · 5 chain links can withstand short-term loads of up to 120 kg
- · 2-chamber system to separate data and power cables
- · Can also be connected directly to Kabelschlange® Classic
- · 34 chain links, W x H: approx. 90 x 24 mm
- · Length (separated): approx. 100 cm, (pushed together): approx. 70 cm



#### Kabelschlange® Premium Set (for vertical cable routing)

930.049	Black
930.050	Silver

- · Stylish premium set:
- · 16 chain links, W x H: approx. 70 x 35 mm
- · 1 x metal base plate in appropriate colour
- · 1 x desk attachment in appropriate colour
- · The chain links can be pushed together completely to form an enclosed, self-locking,
- · elliptical cable duct.
- · 2-chamber system to separate data and power cables
- $\cdot$  Length incl. base plate and desk attachment approx. 78 cm
- · Length without accessories approx. 75 cm
- · Length (pushed together): approx. 59 cm in set



#### Kabelschlange® Quadro Set (for vertical cable routing)

930.016	Black
930.017	Silver

- · Functional set with a strong design element:
- · 23 quadratic chain links, W x H: approx. 45 x 45 mm
- · 1 x metal base plate in appropriate colour
- · 1 x desk attachment in appropriate colour

The Quadro system is very stable and can therefore be used for ceiling-based installations for room heights of up to approx. 5 metres.

- 2-chamber system to separate data and power cables
- · Length incl. base plate and desk attachment approx. 76 cm



#### Kabelschlange® Quadro (as addition to set article no.: 930.016 and 930.017)

930.018	Black
930.019	Silver

· as addition to set article no.: 930.016 and 930.017

- for seating/standing combinations (height adjustable)
   or desk/table heights as of 75 cm and for ceiling suspensions
- · 32 links, length approx. 100 cm



#### Kabelschlange® FLEX II Set (for vertical cable routing)

		•
930.022	Black	· Compact and flexible set:
930.023	Silver	· 38 chain links, W x H: approx. 55 x 22 mm
		· 1 x metal base plate in appropriate colour
		· 1 x desk attachment in appropriate colour
		· 2-chamber system to separate data and power cables
		· and for ceiling suspensions
		· Length incl. base plate and desk attachment approx. 75 cm



#### Furniture accessories

Art. no. Colour Version



#### Kabelschlange® FLEX II (as addition to set article no.: 930.022 and 930.023)

930.020	Black	· for seating/standing combinations
930.021	Silver	· 54 links. Length approx. 100 cm



930.027	Silver	· Aluminium floor duct, can be stepped on, length 100 cm
		· The Kabelschlange Pro® can be connected directly
		· For carpet



930.028	Silver	· Aluminium floor duct, can be stepped on, length 100 cm
		· The Kabelschlange Pro® can be connected directly
		· For smooth floors

#### Easy-Steel® mounting bar

930.024\* Dimensions: Length 750 mm, diameter 5 mm



#### Easy-Desk-3G®

930.023	Silver	· Lasy-Steel®	Thoursday bar	lastering

#### Easy-Connect®

930.026\* Silver · Universal coupling



#### Easy-Desk-2B®

930.029	Black	· Adapter for vertical connections on furniture
930.090	Silver	· Can be combined with Easy-Stop® and Easy-Steel®
		· Includes two 4 x 12 mm screws



#### Easy-Stop-2B2K®

930.091	Black	· 3-part cable strain relief for Kabelschlange® Classic, Cube, Pro	
930.092	Silver	· Can be combined with Easy-Desk-2B® and Easy-Steel®	
		· Includes clamping screws	



#### E-Cube-K-540® power column for supply of power and data

930.166	· To hold sockets indoors (e.g. article no.: 333.0122)
	· Material: anodised aluminium / plastic
	· Dimensions: Height approx. 54 cm/ cover approx. 22.3 x 22.3 cm/ base
	approx. 24 x 24 cm
	· Hole diameter 80 mm including Easy Outlet® telescopic cover

#### Floor connection accessories



Illustration shows 930.099 and 930.137

Art. no. Colour Version

Easy-Outlet® floor unit		
930 098*	Black	

930.099\*

lack	· Floor level installation uni	
ilver	<ul> <li>Tight braced fastening</li> </ul>	

#### · Suited to dry-maintained raised and false floors

#### Easy-Cover® telescopic cover for floor unit

930.100*	Black	· Telescopic cover set for Easy-Outlet® floor unit
930.137	Silver	

Art. no. Colour Version	Art. no.	Colour	Version
-------------------------	----------	--------	---------

#### Easy-Cover-I® (system attachment for floor unit)

930.138\*

Silver

- $\cdot$  Connection for 1 x Cube, Pro, Classic or Flex
- · Material: PP for use in floor outlet

Fasy-Cover-II	(system attachmen	t for floor unit

930.139\* Silver

- · Connection for 2 x Cube, Pro, Classic or Flex
- · Material: PP for use in floor outlet

#### Easy-Cover-Quadro® (system attachment for floor unit)

930.164\*

- Black
- · Connection for 1 x Kabelschlange® Quadro
- · Material: PP for use in floor outlet

#### Easy-Cover-Premium ® (system attachment for floor unit)

930.165*	

- Black
- · Connection for 1 x Kabelschlange® Premium
- · Material: PP for use in floor outlet

#### Easy-Switch® distributor (for Kabelschlange® Classic, Cube, Pro)

930.034*
000 00=

Black

- · 3-way distributor
- 930.035\* Silver · includes 4 coupling links for KS Cube®

Easy-Switch	ı® distributor (fo
930.057*	Black

r Kabelschlange® Classic, Cube, Pro and a vertical K. Premium connection · 4-way distributor with fixing screw and base plate

· includes 4 coupling links for KS Cube®

#### Easy-Cap®

930.044\* 930.045\* · Cover cap for Easy-Switch connections that are not needed

#### Easy-Clip-S® floor outlet adapter for all common floor outlets

930.036\*

Black

Black

Silver

- · For ground outlet for Kabelschlange® Classic
- · Dimensions: L x W: approx. 86 x 47 mm

#### Easy-Clip-L® floor outlet adapter for all common floor outlets

930.054\*

Black

- · For ground outlet for Kabelschlange® Pro and Cube
- · Dimensions: L x W: approx. 91.5 x 51 mm

#### Ceiling connection accessories

Art. no. Colour Version

#### Easy-Cover-I® (system attachment with low transmission of force to suspended ceilings)

930.094\*

White

 $\cdot$  Connection for 1 x Cube, Pro, Classic or Flex

· Material: POM for suspended ceilings

#### Easy-Cover-Quadro® (system attachment with low transmission of force to suspended ceilings)

930.096\*

White

· Connection for 1 x Kabelschlange® Quadro

· Material: POM for suspended ceilings

#### Easy-Cover-Premium® (system attachment with low transmission of force to suspended ceilings)

930.097\*

White

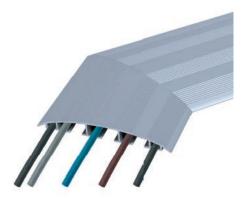
- Connection for 1 x Kabelschlange® Premium
- · Material: POM for suspended ceilings







#### BRIDGE - the cable duct





Dimensions: (W x H) 146 x 9 mm

Art. no.

Length

Version



#### CABLE BRIDGE

Cable duct, straight 930.060 1.0 m  $\cdot$  Anodised aluminium profile, with rippled surface to reduce slipping 930.061 2.0 m

- $\cdot$  3-chamber system allowing power and data cables to be routed separately
- $\cdot$  Can be taped (using double-sided tape) or screwed into place
- · on the floor (see fixing accessories)



#### **CABLE BRIDGE**

Bracke	t for	cable	duct
		-	

930.062	45°
930.063	90°

· Bracket in anodised aluminium



#### CABLE BRIDGE

#### Linking element for cable duct

930.064

Straight

- · Link for joining straight cable ducts
- · Screws into place with integral Allen bolts
- · 2 items



#### **CABLE BRIDGE**

#### Fixing accessories for cable duct

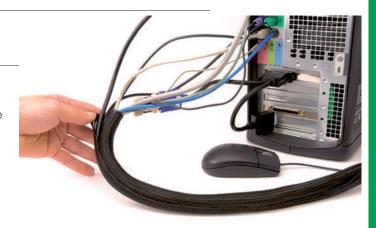
930.065

Straight

- · For screwing down cable ducts at the ends
- · 4 items

Wrap textile-fibre sleeves bundle and protect cables and wires in office and home environments.

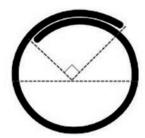
The elastic braided sheath with its monofilament fibres assures fire and abrasion resistance and is thus also ideal for professional and industrial use.



#### Automatic Wrap

#### The benefits at a glance

- · Simple installation with low costs and low labour input
- · More flexible than coiled or wound solutions
- $\cdot$  25% overlap for secure cable bundling
- · Resistant to chemicals and solvents
- · Halogen-free
- · Resistant to cuts and abrasions
- · Retains its shape within operating temperature range -75°C to +125°C



Automatic Wrap			
Dimensions:	diameter 2.5	4 cm = 1 inch	
930.900	1.0 m	· Black	
930.901	2.0 m	· Black	
930.902	3.0 m	· Black	



Automatic Wrap
Dimensions: diame

Dimensions:	diameter 5.08	3 cm = 2 inches
930.903	1.0 m	· Black
930.904	2.0 m	· Black
930.905	3.0 m	· Black

#### Manual Wrap in colour

#### The benefits at a glance

- · Strong Velcro fastener for frequent access
- $\cdot$  Can be stretched over plugs and sockets
- · Halogen-free
- $\cdot$  Resistant to chemicals and solvents
- · Melting point ~230 °C



Art. no.	Version	Version

	I	l	
Manual Wrap			
Dimensions:	diameter 3.18	3 cm = 1 1/4 inch	
930.906*	1.0 m	· Black	
930.907*	2.0 m	· Black	
930.908*	3.0 m	· Black	

Dimensions: diameter 5.08 cm = 2 inches				
930.909*	1.0 m	· Black		
930.910*	2.0 m	· Black		
930.911*	3.0 m	· Black		



\* No storage type 207

## INDUSTRIAL SOLUTIONS

#### Efficient power and data distribution for manufacturing

With Bachmann INDUSTRIAL SOLUTIONS you can be sure of having access to the best connectors and connections wherever you are in the world. Our systems are configurable with all standard international socket outlets and data connections. Modules can be retrofitted or interchanged quickly and easily.

In short, Bachmann maximises your options when it comes to energy and data management systems that are fit for the future.

Our top priority at Bachmann is a collaborative partnership with our customers. This begins with what we refer to as "customised engineering", since providing engineering services for customised solutions is as important for our international development team as continuing to develop the Bachmann range overall.

The result is a long list of registered designs and patents for technical innovations and special solutions under the Bachmann brand.



Power strips212	
BlueNet power management	Blu=Net Efficient Power Management
Feed modules215	
Compressed air units216	
ESD units	
STEP 218	
Automatic switchoff 220	
Tradesman's power strip	
Fixings	
DESK	
Custom modules 224	C
Cables	
Lighting 226	

## World of opportunities

# Function modules can be integrated ex factory



#### Overvoltage protection

These days the failure of electrical and electronic equipment is a real nightmare scenario. Protection against excess electric voltage is more important than ever for electrical and electronic equipment. "24/7 availability" is now essential for many users. Don't worry: the Bachmann strip with built-in overvoltage protection is the answer.



#### Mains and frequency filters

Mains and frequency filters ensure effective screening and smoothing of the input voltage. Only "clean" voltage gets through our mains and frequency filters. Voltage stabilisation and the filtering out of disturbance frequencies allows the connected device to run properly and smoothly.

#### USB 3.0 keystone module

The USB keystone module supports USB 3.0 and allows data to be transferred at high speed. Three different socket/socket combinations are available for different configurations.



#### Residual current circuit breaker / miniature circuit breaker

The residual current circuit breaker / miniature circuit breaker integrated in a Bachmann strip gives you peace of mind. The user can select between the two circuit breakers. But they can of course be combined too.

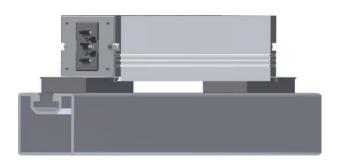


Bachmann products provide solutions that are as individual as life itself.



### **FACTORY**

#### The professional solution





- · Strip does not protrude over the 45-mm T-slot profile
- · Can be mounted on 30, 45 or 60 mm T-slot profiles
- · Can be mounted on the upright profiles of various manufacturers
- · Easy to fit with specially designed mounts (ESD-capable)
- · Mains input and output based on Wieland GST18 connector system
- · Strips can be linked to one another using device extension cables (see page 225)
- · Power infeed direct to mains input via supply cable (see page 225) or via feed modules (see from page 215)



Version

#### FACTORY 1 HU 3 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 294 mm

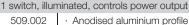
Mounts flush with profile



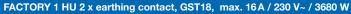
- · Anodised aluminium profile 1 HU
- $\cdot$  3 x socket outlet with earthing contact, RAL7035, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch

#### FACTORY 1 HU 2 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 294 mm



- · Anodised aluminium profile 1 HU
- 2 x socket outlet with earthing contact, RAL7035, set at 35°
- · 1 switch, red, 2-pole, controls power output (e.g. for lamp)
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



Length: approx. 294 mm

1 switch, illuminated, controls power input (sockets and power output)

- · Anodised aluminium profile 1 HU
- · 1 switch, red, 2-pole, controls power input
- · 2 x socket outlet with earthing contact, RAL7035, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



330





#### Max. 16A/230V~

Art. no. Version

#### FACTORY 1 HU 8 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 866 mm

#### 2 switches, illuminated

509.004

- · Anodised aluminium profile 1 HU
- · 1 switch, green, 2-pole, controls sockets
- $\cdot$  8 x socket outlet with earthing contact, RAL7035, set at 35°, with spacing between sockets
- $\cdot$  1 switch, red, 2-pole, controls only white auxiliary outlet
- · Power inputs on side of profile:
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black / white
- · Incl. safety plug catch



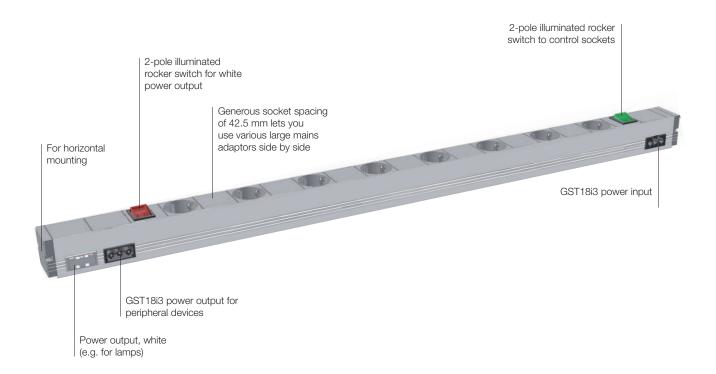
2 switches, illuminated 509.005 · Anodi

· Anodised aluminium profile 1 HU

- · 1 switch, green, 2-pole, controls sockets
- · 10 x socket outlet with earthing contact, RAL7035, set at 35°, with spacing between sockets
- · 1 switch, red, 2-pole, controls power outputs
- · Power inputs on side of profile:
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black / white
- · Incl. safety plug catch



\*\*\*\*\*\*\*



### **BlueNet**

## Recognising and making the most of potential



Bachmann's BlueNet range creates optimal conditions for efficient power management. It makes power consumption transparent - and thus controllable - with intelligent products that help you to gather current data wherever power is consumed, and thus to spot potential energy savings - and to document and use them.

- · Integrated function for measuring current, voltage, power, phase angle, frequency and total energy consumption (BlueNet Metered Plus)
- · Measured values are shown on the display
- · Modular construction allows configuration of PDUs to customers' specifications

Power measurement (kW)	2.77 kW 230V^	Mains voltage (V)
Frequency (Hz)	50 Hz 15°	Phase angle
Phase number (P 1, 2, 3)	-P: 12,5A-	Current (A)
Total energy consumption (kWh)	1585,9kWh	

Art. no.

Version

#### FACTORY 1 HU Metered BlueNet, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 191 mm

#### Current measurement

509.009

- · Anodised aluminium profile 1 HU
- · 1 x current measurement (digital ammeter)
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black
- $\cdot$  Current measurement features:
- · Range 0-16 A, max. current 32 A,
- · Accuracy: class 1, backlit liquid crystal display

#### FACTORY 1 HU Metered Plus BlueNet, GST18, max. 16A / 230 V~ / 3680 W

Length: approx. 191 mm

Current and power measurement with phase angle

509.012

- · Anodised aluminium profile 1 HU
- · 1 x current + power measurement
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black
- · Power measurement features:
- · backlit LCD display, precision: class 1, 1-phase, max. 16 A
- $\cdot$  Mains voltage (V), current (A), frequency (Hz), phase angle,
- · energy (kWh) and power (kW) measurement



### Feed modules

#### Greater safety at the workstation

## Feed modules in aluminium profile, 1 HU (width 44.5 mm) with protective features and 2 power outputs

- · Can be used as the base unit for any power strip
- · Easy to fit with specially designed mounts (ESD-capable)
- · Connects to power strip via extension cable (see page 225)
- · 1 x power input and 2 x power output in Wieland GST18
- · System for connecting to one or two power strips or workstations
- · Integral protector unit with overvoltage protection, miniature circuit breaker or residual current device
- $\cdot$  Feed modules with built-in current and power measurement to record energy consumption of workstation



Art. no.

Version

#### FACTORY 1 HU overvoltage protector with filter, GST18, max. 16 A / 230 V~ / 3680 W Length: approx. 235 mm

509.006

- $\cdot$  Anodised aluminium profile 1 HU
- · 1 overvoltage protector, 6.5 kA with optical function and fail indicator;
- · Mains filter, 30 MHz
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black



#### FACTORY 1 HU miniature circuit breaker, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 235 mm

509.007

- · Anodised aluminium profile 1 HU
- · 1 miniature circuit breaker, 16 A, 2-pole, type B
- $\cdot$  Power input: GST18i3 plug, black
- $\cdot\,$  Power output: 2 x GST18i3 socket, black



#### FACTORY 1 HU residual current device\* (RCD), GST18, max. 16 A / 230 V~ / 3680 W Length: approx. 235 mm

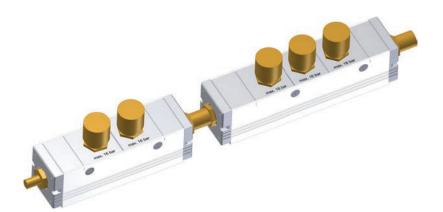
509.008

- · Anodised aluminium profile 1 HU
- $\cdot$  1 residual current device, 16 A, tripping current 10 mA, response time 30 ms, 2-pole
- · Power input: GST18i3 plug, black
- · Power output: 2 x GST18i3 socket, black
- $^{\star}$  From 1 February 2009 all mains circuits supplying power sockets used by non-technical specialists must be fitted with an RCD.

Indoor use: up to 20 A / Outdoor use: up to 32 A



# Compressed air Everything in one system



## Aluminium profile, 1 HU (width 44.5 mm) with standard compressed-air outlets for up to 16 bar

- $\cdot$  Simple to fit with specially designed mountings
- · Standard compressed air outlets, nominal diameter 7
- · Infeed and onward supply via nominal diameter 5
- · Strips can be linked to one another directly or via a connecting hose
- · Other nominal diameters and configurations available on request

Art. no.

Version

#### FACTORY 1 HU, 2 x compressed air outlet, max. 16 bar

Length: approx. 147 mm



500.040

- · Anodised aluminium profile 1 HU
- · 2 x compressed air outlet (NW7 coupling)
- · Compressed air inlet via NW5 connector
- · Compressed air outlet via NW5 coupler

#### FACTORY 1 HU, 3 x compressed air outlet, max. 16 bar

Length: approx. 187 mm



509.011

- · Anodised aluminium profile 1 HU
- · 3 x compressed air outlet (NW7 coupling)
- · Compressed air inlet via NW5 connector
- · Compressed air outlet via NW5 coupler

#### Compressed air

Ordinary air is forced via compressors to a higher pressure and can be used to drive a variety of equipment. Bachmann FACTORY compressed air units distribute the compressed air to two or three

access points for end-use devices (screwdrivers, compressed-air guns etc.). Each compressed air unit also has a compressed air outlet, allowing more than one unit to be used in combination.

## ESD- Electro Static Discharge

## All-round protection

## Aluminium profile, 1 HU (width 44.5 mm) with standard ESD connectors

- · Simple to fit with specially designed mountings (ESD-capable)
- · Integrates simply into ESD design of workstation via standard plug connectors and so can be used as EBP (earth bonding point)
- · Other nominal diameters and configurations available on request



Art. no. Version

## FACTORY 1 HU 3 x ESD 10 ohm

Length: approx. 104.5 mm

509.013

- · Anodised aluminium profile 1 HU
- · 2 x ESD snap connector socket, 10 mm, 10 ohm
- · Input: 3 m cable, green/yellow with M4 ring termination



## FACTORY 1 HU 3 x ESD 10 ohm

Length: approx. 147 mm

509.014

- · Anodised aluminium profile 1 HU
- · 3 x ESD snap connector socket, 10 mm, 10 ohm
- $\cdot\,$  Input: 3 m cable, green/yellow with M4 ring termination



#### ESD

ESD is the abbreviation for electrostatic discharge, which occurs when two bodies at different electrical potentials come into contact and their charges equalise. Electrostatic charges are created when two different materials are rubbed together or are separated from one another. Examples include: walking on plastic floors, rubbing against synthetic

clothing, moving plastic containers, unrolling adhesive PVC tapes or moving conveyor belts. In modern workspaces static charges can create high static voltages. Charges of above 10 kV are not uncommon. Where air humidity is below 20 %, values of 30 kV have been recorded.

## STEP

## The low-cost alternative





## Power strips in plastic or aluminium profile (width 52 mm) for a simple modular electrification system.

- · Compact dimensions and robust housing
- · Can be mounted on T-slot profiles and the upright profiles of various manufacturers
- · Easy to fit with specially designed mounts (ESD-capable)
- · Mains input and output based on Wieland GST18 connector system
- · Strips can optionally be fitted with modules (from page 215)
- $\cdot$  Strips can be linked to one another using device extension cables (see page 225)
- · Power supplied directly to mains input via supply cable (see page 225) or via feed modules (from page 215)

## Max. 16A/230V~

Art. no. Version

## STEP BASE 3 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 220 mm



- · Light-grey plastic profile, socket outlets black
- $\cdot$  3 x socket outlet with earthing contact, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch

#### STEP BASE 3 x earthing contact red, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 220 mm



336.604

- · Light-grey plastic profile, red socket outlets
- · 3 x socket outlet with earthing contact, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



Length: approx. 262.5 mm



· Light-grey plastic profile, black socket outlets

- · 4 x socket outlet with earthing contact, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch

## Max. 16A/230V~

Art. no.

Version

## STEP ALU 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W Length: approx. 262.5 mm

#### 1 x switch, controls sockets only

906.003

- · Anodised aluminium profile, socket outlets black
- · 1 switch, green, 2-pole, illuminated, switches sockets only (not power output)
- · 3 x socket outlet with earthing contact, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



## STEP ALU 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W Length: approx. 262.5 mm

1 x switch, controls power input (sockets and power output)

- · Anodised aluminium profile, socket outlets black
- · 1 switch, green, 2-pole, illuminated, controls power input
- · 3 x socket outlet with earthing contact, set at 35°
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



## STEP ALU, GST18, max. 16 A / 230 V~ / 3680 W

1 x custom module

906.000 · 1 anodised aluminium profile 1 HU

- · 3 x socket outlet with earthing contact, set at 35°
- · 1 custom module cover, blank
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



## STEP ALU, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 220 mm

Length: approx. 220 mm

## Overvoltage protection

336.004

- · Anodised aluminium profile 1 HU
- · 1 overvoltage protection unit, 6.5 kA, with function and fail indicator; mains filter 30 MHz
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



## STEP ALU, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 220 mm

## Miniature circuit breaker, 16A

336.015

- · Anodised aluminium profile 1 HU
- · 1 miniature circuit breaker, 16 A, 2-pole, type B
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



## STEP ALU, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 220 mm

## Residual current device 16A, 10 mA

906.067

- $\cdot$  Anodised aluminium profile, socket outlets black
- · Residual current device 16A, tripping current 10 mA, response time 30 ms, 2-pole
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



Suitable mountings on page 222



# Automatic switchoff Save power automatically



The Bachmann automatic switchoff unit allows efficient savings in power consumption without major wiring outlay when equipment is not in use. No longer is the proper shutdown of equipment left to chance; now power is conserved when consumption falls below a defined threshold. The effectiveness of this system exceeds the savings possible with master-and-slave power strips, since practically no standby current is drawn by the master device and power consumption during non-use hours is exactly zero. The automatic switchoff device thus saves some 70 euros annually in standby power.

## Max. 16 A/230 V~

Art. no.

Version

STEP ALU, automatic switchoff, GST18, max. 16 A / 230 V~ / 3680 W

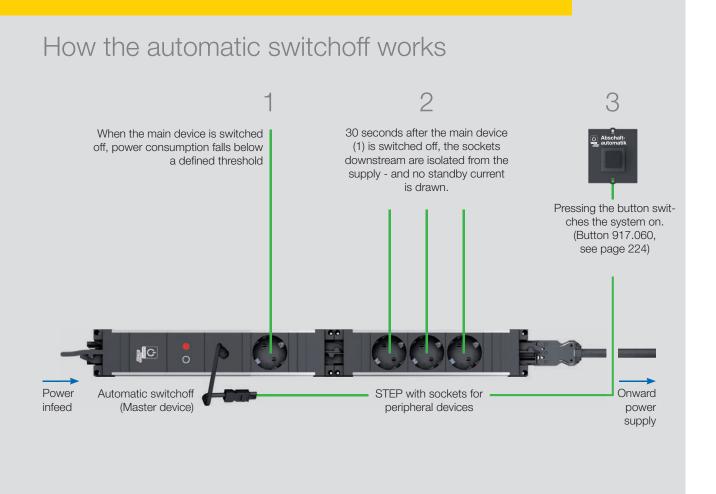
Length: approx. 263 mm

Suitable mountings on page 222



906.005

- · Anodised aluminium profile 1 HU
- · 1 automatic switchoff unit with adjustable threshold
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Incl. safety plug catch



Suitable mountings on page 222

## Tradesman's strips: robust professional quality

- · Separate earth conductor of up to 4 mm<sup>2</sup> connects directly
- · Easily accessible terminal to allow other conductor lengths to be connected
- · End caps with additional screw holes for mounting on different profiles (T-slot or upright)
- · Outlet sockets set at 90° with 15 mm additional spacing ideal for mains plugs with large housings
- · 2.0 m cable, H05VV-F 3G 1.50 mm<sup>2</sup> with right-angle earthed plug



## Power strip for horizontal mounting

- · Combination of sockets and various custom modules (see page 224)
- · Can be mounted on T-slot profiles and upright profiles of various manufacturers with the metal mounting brackets provided, but fully insulated from the socket profile (ESD-capable)
- · Power infeed direct to mains input via supply cable (see page 225) or via feed modules (see from page 215)



## TWIN: for workstations requiring a large number of sockets

- $\cdot$  Compact dimensions thanks to arrangement of sockets on 2 profile tracks
- $\cdot$  Can be mounted on T-slot profiles and upright profiles of various manufacturers with the metal mounting brackets provided, but fully insulated from the socket profile (ESD-capable)
- · Strips can optionally be fitted with data or media technology modules (from page 224)
- $\cdot$  Power infeed direct to mains input via supply cable (see page 225) or via feed modules (see from page 215)



\*No storage type / Suitable mountings on page 222



# Mountings Suitable for all systems



Mountings for the FACTORY and STEP ranges of power strip onto T-slot profiles, upright profiles and tabletops.

- · ESD-compatible mountings
- · Simple to fit, can be flexibly swapped
- · Use standard M8 or M6 screws and ordinary tools

## Fixing accessories for Bachmann PDUs



Art. no. Version

#### Plastic bracket set for Factory, STEP and Universal power strips

**Plastic** 

509.000

- · Plastic bracket set:
- · Holes for M8 and M6 bolts
- · Light grey colour similar to RAL7035



## Stainless stee

mounting bracket

940.096 · Inserts into rear of FACTORY and STEP profiles and in end cap of Universal

- $\cdot$  Ideal when using power strips with data connections (data and media cables exit from rear)
- · 2 items, packed in polythene



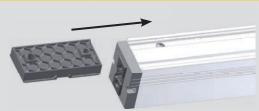
#### Bolts

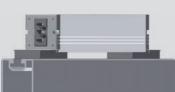
509.015

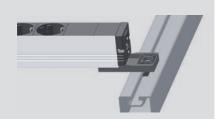
For 10 mm T-slot profile

Contents:

- · 2 M6 x 16 bolts DIN 7984-8.8
- · 2 U-washers for M6 (D6.4), zinc-plated
- · 2 T-slot nuts M6, zinc-plated





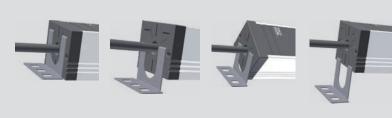


Plastic brackets allow versatile mounting on T-slot or upright profiles. The brackets are inserted into the profile groove on the rear of the strip. Suitable for power strips in the FACTORY and STEP series.



Use of bracket with STEP power strips with height 36 mm.

No ESD capability specified.



Use of bracket with UNIVERSAL power strips. The bracket simply slots into the UNIVERSAL end cap and can be fixed in various positions.

## DESK 1 - versatile tabletop power strip

## DESK 1 power strips as tabletop units for workstations, letting you combine power outlets with data and media technology modules

- · Combine power outlets with data and media modules
- · Sockets and power outlets can be switched off to save energy
- · Mounts on tabletop workstations with screws or brackets (available separately)
- · Strips can optionally be fitted with data or media technology modules (see from page 224)
- · Power infeed direct to mains input via supply cable (see page 225) or via feed modules (see from page 215)





## Max. 16A/230V~

Art. no.

Version

## DESK 1 x switch, 3 x earthing contact, max. 16 A / 230 V~ / 3680 W

Length: approx. 268 mm

339.1001

- · Anodised aluminium profile, socket outlets black
- · 1 x switch, green, 2-pole, illuminated, controls sockets
- · 3 x socket outlet with earthing contact, set at 35°
- · Power input: 3.0 m H05VV-F 3G 1.50mm² black, with right-angle earthed plug
- · incl. standard brackets



## DESK 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 $V_{\sim}$ / 3680 W

Length: approx. 368 mm

## 1 x custom module

902.017

- · Anodised aluminium profile, socket outlets black
- · 1 x switch, green, 2-pole, illuminated, controls sockets and power outlet
- · 3 x socket outlet with earthing contact, set at 35°
- · 1 custom module cover, blank
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Does not include brackets (available separately)



## DESK 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V~ / 3680 W

Length: approx. 409 mm



902.018

- · Anodised aluminium profile, socket outlets black
- · 1 switch, green, 2-pole, illuminated, controls sockets and power output
- · 3 x socket outlet with earthing contact, set at 35°
- · 2 custom module covers, blank
- · Power input: GST18i3 plug, black
- · Power output: GST18i3 socket, black
- · Brackets not included (available separately)



## **DESK** standard brackets

for tabletop thicknesses up to 50 mm

930.120

Anodised aluminium, thickness approx. 9 mm Contents:

- · 2 support brackets, anodised aluminium
- · 2 M5 x 60 mm Allen bolts



## **DESK** end cap screws

for tabletop thicknesses over 15 mm

· 2 x Spax screw, 5 x 90 mm incl. brass threaded sleeve



## Custom modules

## for networks, media and programming

Bachmann custom modules are the central building blocks for network, media or programming connections, and fit easily and flexibly into power strip units with custom module covers.



- · Flexibly interchangeable modules
- · Simple to connect using socket/socket versions and connecting cables
- · Can be purchased as a kit
- Can be fitted or replaced later (Warranty is not affected by fitting/replacement since each frame is insulated separately)
- $\cdot$  Screws and frames are designed for approx. 10 bolting cycles
- · Bolts = Torx T6 For other

For other versions see page 142 onwards



## Art. no.

## Module 2 x keystone

#### 917.000

Module, black, accepts2 data socketswith keystone mounting system



## Module 1 x keystone

#### 917.001

Module, black, accepts1 data socketwith keystone mounting system



## **OWG-LC** duplex keystone

## 918.071

- · OWG-LC duplex coupler
- · Keystone fixing
- · Suitable for modules 917.000 and 917.001



## OWG-SC keystone

## 918.072

- · OWG-SC coupler
- · Keystone fixing
- · Suitable for modules 917.000 and 917.001



## PS2 mouse + keyboard

## 917.031

- Front: PS2 MiniDIN sockets (mint green for mouse and lilac for keyboard)
- Rear: PS2 MiniDIN sockets (mint green for mouse and lilac for keyboard)



## Button for automatic switchoff

#### 917.060

- Front: button, black for automatic switchoff
- Rear: 1.0 m H05VV-F 2 x 0.75mm<sup>2</sup> black with Wieland GST 15i2 plug connection
- Use in any socket unit with custom modules



## Art. no.

## CAT6 coupling socket/socket

#### 940.044

- · Type: BTR E-DAT
- · Front: RJ45 (keystone fixing)
- · Rear: RJ45 (E-DAT mounting)
- · Shielded
- · Suitable for modules 917.000 and 917.001



## CAT5e coupling socket/socket

## 940.057

- · Front: RJ45 (keystone fixing)
- · Rear: RJ45 (keystone fixing)
- · Shielded
- · Suitable for modules 917.000 and 917.001



#### ISDN RJ12 socket/socket

### 940.085

- · Front: RJ12 (keystone fixing)
- · Rear: RJ12 (keystone fixing)
- · Unshielded
- · Suitable for modules 917.000 and 917.001



## CAT6a 10GB patch cable plug/socket 3.0 m

#### 918.033

- · Front: Socket RJ45 CAT6a TKM 10GB
- · Cable, black, with RJ45 plug
- · Shielded
- $\cdot$  Suitable for modules 917.000 and 917.001



## **BNC RGB**

## 917.090

Front + rear: BNC RGB socket



## RS232

#### 917.012

· Front + rear: 9-pole RS232 socket 27.63

## Supply cables and distributors



## For supplying or linking multiple power strips we offer cables featuring the Wieland GST18 connectors that are used worldwide.

- · Prefabricated cables in various lengths
- · Plug connectors conforming to world standards, contact-protected
- · With mandatory latching to power strips
- · Connect to power strips without tools
- · Can subsequently be removed
- $\cdot$  Power input can be earthed via the separate earthing connection on device supply cables 375.115 375.117



Art. no.	Length	Version
----------	--------	---------

		18/earthing contact
With extra earth	connection	
375.115	2.0 m	· Cable: H05VV-F 3G 1.50 mm²
375.116	3.0 m	· End 1: Right angle plug with earthing contact
375.117	5.0 m	· End 2: Wieland GST18i3 socket with 0.3 m 2.5 mm² green/yellow
		· with M6 ring termination



## Device supply cable, GST18/earthing contact

375.000	1.5 m	· Cable: H05VV-F 3G 1.50 mm²
375.075	2.0 m	· End 1: Right angle plug with earthing contact
375.003	3.0 m	· End 2: Wieland GST18i3 socket
375.005	4.0 m	
375.007	5.0 m	
375.039	10.0 m	



## Device extension cable, GST18/GST18

375.050	0.3 m	· Cable: H05VV-F 3G 1.50 mm²
375.053	1.0 m	· End 1: Wieland GST18i3 plug
375.038	2.0 m	· End 2: Wieland GST18i3 socket
375.055	3.0 m	



## Tapping cable, GST18/earthing contact coupling

rupping our	ic, do i lo/call	anny contact coupling
Extends leng	th from - to	
375.097	0.5 - 2.5 m	· Spiral device extension cable
375.098	1.0 - 5.0 m	· Cable: H07BQ-F 3G 1.50mm² orange
		· End 1: Wieland GST18i3 plug
		· End 2: Earth contact coupling, black
	•	•



## Multipliers

For power dis	stribution	
375.101	1 x input, 2 x output (1)	· Input: 3-pole plug
375.102	1 x input, 2 x output (2)	· Output: 3-pole socket
375.105	1 x input, 2 x output (3)	



## Through-wired for 3-phase power, 5 and 3-pole

375.106	1 x input, 1+6 x output	· Input: 1 x 5-pole plug
		· Output: 1 x 5-pole socket
		· 6 x 3-pole socket per outer cable



#### Coupler

No interlock		
375.500	GST input/GST outlet	· For simple connecting of e.g. 2 Factory
		power strips



## FACTORY LIGHT

## Good light for assembly workstations

Good lighting facilitates productivity and well-being. To meet the particular lighting requirements of assembly workstations, our collaboration with Siteco has developed highly specific lamp systems. These lamp types, for mounting horizontally above the work area or vertically on an upright profile, create bright light over a wide area of the workstation. Depending on specific requirements the lamps may be used singly or in combination.

The outrigger lamp, for fitting to a vertical upright profile (770.000) can also be rotated and swivelled, allowing adjustment of the beam angle to the specific needs of the employees and the task. It offers the best conditions for absolutely glare-free light, facilitating efficient work and low fatigue levels. Both models use fluorescent light sources, anodised louvres and electronic ballast units to offer maximum effectiveness and maximum energy savings.

Art. no.

Version

## SITECO assembly area outrigger lamp

Length: 610 mm, width: 125 mm

770.000\*

- · Lamp in aluminium profile similar to RAL9006, matt
- · Incl. 1 x TC-L 36W / 840 light source
- · Electronic ballast to minimise power loss
- · Aluminium specular louvre, satin anodised, for high lighting comfort and high efficiency
- · Mounts on vertical profile frames
- · Outrigger arm turns through 360° and swivels through 180°, so can be set up individually
- · Can be mounted without opening lamp
- · GST 18/3 power input

SITECO assembly area horizontal mounting lamp Length: 899 mm, width 87 mm (incl. fixing bracket 126 mm)

770.001

- · Lamp in aluminium profile similar to RAL9006, matt
- · Incl. 1 x T16 39W / 840 light source
- · Electronic ballast to minimise power loss
- · Aluminium specular louvre, satin anodised, for high lighting comfort and high efficiency
- $\cdot$  CRF (contrast rendering factor) louvre to avoid reflected glare
- · Mounts on horizontal roof section
- · Can be mounted without opening lamp
- · GST 18/3 power input + power output with 3-pole through wiring



Outrigger

#### Note

These lamps should be operated via BACHMANN FACTORY power strips with switched power outlets (see pages 212) or any other external switch.

They have no built-in switch of their own.

Eulumdat data is available on request.

<sup>\*</sup> No storage type

## FACTORY SPOTLIGHT

## Light exactly where you need it

There are certain situations in which a particularly high brightness of light on the workpiece is essential. The LED flexible arm lamp (770.002) allows you to match the light intensity and angle of illumination quickly and flexibly to any work situation. The high-quality flexible tube allows quick and precise positioning of the lamp head. Thanks to the use of LEDs this remains considerably cooler than a 20 W halogen lamp, yet is brighter than a 35 W halogen lamp. Where there is a particular need for illumination of a specific area, our LED flexible arm lamp forms the ideal complement to wide-area workplace illumination (see FACTORY LIGHT 770.000 + 770.001).

Art. no.

Version

## Flexible-arm LED lamp for assembly areas

#### 770.002

- · High-performance lamp head with 3 x 3 W POWER LED, cool white, 30° beam angle
- $\cdot$  Up to 60 000 operating hours (designed for continuous use)
- · Illuminance 5000 lux at distance of 0.5 m
- · Luminous flux 600 lumens
- · Lamp head IP 64 protected (against dust and splashwater)
- · Special mounting bracket for fitting to T-slot profiles
- · of various manufacturers
- · External LED operating unit (IP 20) with GST 18/3 power connection
- $\cdot$  Flexible arm length 500 mm, lamp head diameter 75 mm
- · Operating voltage 230V AC



## Cost comparison of LED lamp with conventional lighting

Type	LED lamp	Incandescent lamp	Halogen lamp
Acquisition costs of lamp in €	360.00	150.00	250.00
Cost of illuminant, each, in €	-	1.50	4.00
Lifetime of illuminant, hours	60 000	approx. 1000	approx. 2000
Power consumption	9 W	60 W	20 W
Illuminant costs after 60 000 operating hours, in €	-	90.00	120.00
Energy consumption after 60 000 operating hours, in kWh	540	3600	1200
Costs (approx. €0.20/kWh)	108.00	720.00	240.00
Total costs after 60 000 operating hours in €	468.00	960.00	610.00

Calculated for 60 000 operating hours

## **Electrical materials**

## Socket outlets



	OUCHOL OULIGIS	Efficient Power Wanagement
NEW	WiFi / radio multiple-socket outlets	232
	Energy saving	240
	PRIMO	242
	DUO	248
	COMPACT	249
NEW	CONNECT LINE	250
	CONNECTUS	252
	TRADESMAN'S STRIP	256
	SMARTLINE	260
	Other socket outlets	268
	Cables	
	Connecting cables	270
	Spiral cable	280
	Extensions	294



## Construction site accessories

CEE material 28	88
Cable reels28	89
Lighting30	00
Adaptors	
Personal circuit breakers/PRCD-S 31	10
Personal circuit breakers/PRCD31	12
Energy measuring instruments31	13
Timer switches	14
Travel plugs 31	15
Skross travel plugs	16
Plugs / couplings	
Euro plugs	18
Earthing contact, plastic	22
Earthing contact, rubber32	23
inter BAR / Accessories	29

## World of opportunities

# Function modules can be integrated ex factory



## Overvoltage protection

These days the failure of electrical and electronic equipment is a real nightmare scenario. Protection against excess electric voltage is more important than ever for electrical and electronic equipment. "24/7 availability" is now essential for many users. Don't worry: the Bachmann strip with built-in overvoltage protection is the answer.



## Mains and frequency filters

Mains and frequency filters ensure effective screening and smoothing of the input voltage. Only "clean" voltage gets through our mains and frequency filters. Voltage stabilisation and the filtering out of disturbance frequencies allows the connected device to run properly and smoothly.



## Automatic switchoff

The automatic switch-off unit allows efficient savings in power consumption by modern-day office equipment during non-working hours. Switching equipment off completely is no longer left to chance: power saving now begins as soon as the workstation PC is shut down. The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since virtually no standby current is drawn by the master device and total power consumption during on-working hours is zero.

## **USB** charger

The USB charger component has 2 ports with max. 2.15 A. Integrated in Bachmann products, the ability to charge mobile devices using the universal USB charger is very convenient and the integrated mains adaptor frees up socket outlets too.



## Residual current circuit breaker / miniature circuit breaker

The residual current circuit breaker / miniature circuit breaker integrated in a Bachmann strip gives you peace of mind. The user can select between the two circuit breakers. But they can of course be combined too.



#### 868 MHz radio modules

The radio modules allow socket outlets to be remotely switched by hand. Great attention is paid to the radio range, radio penetration and switching reliability. The flexibility and convenience of our radio technology can be seen in applications such as controlling circulating pumps (heating), devices behind furniture and in other hard-to-reach locations, room lighting, and appliances with standby mode (e.g. entertainment systems).



### WiFi module

The new BlueNet WiFi module provides three separate switching and measuring groups for extended power metering and temperature measuring, the switching of individual socket outlets and complete power strips. The management interface is integrated in the web server and is operated via the web browser in the network or with Dynamic DNS via the Internet.

The BlueNet WiFi app is available for mobile end devices. Switching can be performed both manually and automatically using load, temperature or time thresholds which can be set individually.



Bachmann products provide solutions that are as individual as life itself.







## **NEW** BlueNet WiFi products



Comfort and energy-aware lifestyle thanks to automatic control of electrical consumers



## **SAFETY**

Through simulation of presence and e-mail notifications or automatic cut-off. For example, in the event of overload or underload or a preset temperature.

## SAFETY AND COST CONTROL

Control and monitor office consumers with BlueNet WiFi underfloor systems, also available as a retrofit solution that is easy to integrate.



## SAFETY AND AVAILABILITY

The low-cost complete solution for server rooms or smaller IT infrastructures for metering, switching and managing.

COST CONTROL, RESOURCE PLANNING AND LOAD MANAGEMENT

with the BlueNet WiFi module

## BlueNet WiFi module











## BlueNet WiFi module



## The complete solution for small and mid-sized IT applications

The new BlueNet WiFi module now provides three separate switching and measuring groups for extended power metering and temperature measuring, the switching of individual socket outlets and complete power strips. The management interface is integrated in the web server and is operated via the web browser in the network or with Dynamic DNS via the Internet.

The BlueNet WiFi App is available for mobile personal devices. The maximum switching capacity is a full 16A per switching group. Switching can be performed both manually and automatically using load, temperature or time thresholds which can be set individually. The BlueNet WiFi module can be integrated in virtually all Bachmann products. External temperature sensors are available as accessories in lengths of 3 m, 10 m and 20 m. An external RP-SMA antenna connection is provided for all Bachmann's BlueNet WiFi products. External WiFi antennas are also available as accessories.

Thanks to its compact design, the BlueNet WiFi module can be integrated in the modular Bachmann system and combined with connector systems, basic products and other components.

- · 3 switching groups of 16A each
- · Temperature measurement and power metering
- · Load management and cost control
- · Management via web interface and mobile app
- · Remote online access via Dynamic DNS
- $\cdot$  WiFi (802.11 b/g/n) and Ethernet connectivity

## App for smartphones or tablet PCs

The app is available from the Play Store (for Android) or the App Store (for iOS) by searching for BlueNet WiFi. The present temperature, current switching statuses and current power metering data are displayed. The socket outlets can be switched on and off. If a Dynamic DNS address is entered, this entire functional scope can be accessed remotely via 3G or 4G.









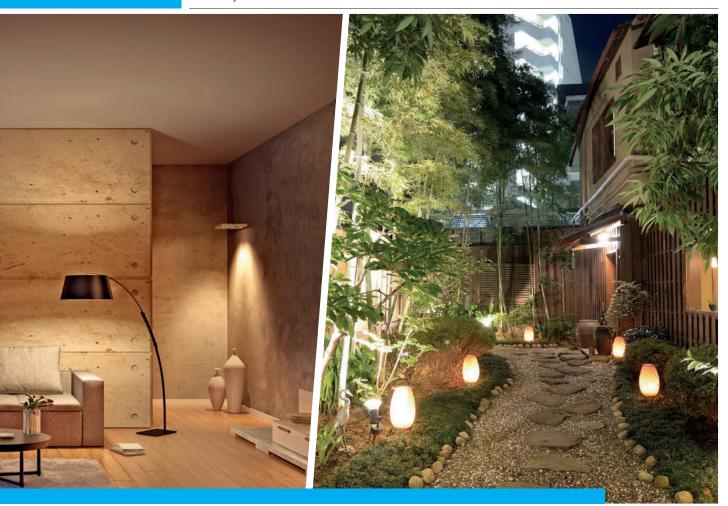
Art. no. Version

	'
Tradesman	's strip with BlueNet WiFi module
2.0 m H05V	V-F 3G 1.5 mm², black, with right angle plug with earthing contact, without switch
820.004	· 3 x socket outlet with earthing contact, can be switched individually
	· BlueNet WiFi module
820.053	· 3 x socket outlet with earthing contact, can be switched individually
	· 1 x socket outlet with earthing contact, continuous voltage
	· BlueNet WiFi module
820.005	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· BlueNet WiFi module
820.006	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· Overvoltage protection + mains and frequency filters
	· BlueNet WiFi module
820.007	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· 2 x socket outlet with earthing contact, continuous voltage
	· BlueNet WiFi module
	•



CONNECT	LINE with BlueNet WiFi module
2.0 m H05V	V-F 3G 1.5 mm <sup>2</sup> , black, with right angle plug with earthing contact, without switch
820.012	· 3 x socket outlet with earthing contact, can be switched individually
	· BlueNet WiFi module
820.054	· 3 x socket outlet with earthing contact, can be switched individually
	· 1 x socket outlet with earthing contact, continuous voltage
	· BlueNet WiFi module
820.013	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· BlueNet WiFi module
820.014	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	Overvoltage protection + mains and frequency filters
	· BlueNet WiFi module
820.015	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· 2 x socket outlet with earthing contact, continuous voltage
	Overvoltage protection + mains and frequency filters
	· BlueNet WiFi module
	I .





## **NEW** Radio systems

Comfort and energy-aware lifestyle thanks to automatic control of electrical consumers





## COMFORTABLE AND RELIABLE SWITCHING

of electrical consumers, even in hard-to-reach places

## CONVENIENT AND COMFORTABLE REMOTE

switching of entertainment electronics.

Permanent sockets for important consumers

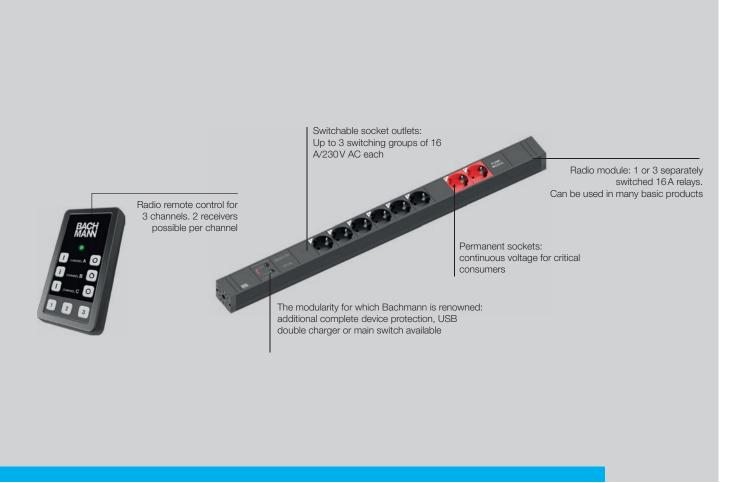


## HIGH RADIO PENETRATION AND RANGE

for warehouses, manufacturing plants and workshops

## LARGE RANGE AND FLEXIBLE GROUP SWITCHING

simplify any remotely-switched outdoor lighting scenario





## 868 MHz radio modules

## Remote switching with remote control

The radio modules, based on a proprietary 868 MHz ISM band radio standard, allow socket outlets to be manually remote-controlled. The optimised module size enables the radio module to be used with almost every Bachmann product. Particular attention has been given to radio range, penetration and switching reliability.

## Easy to use - highly flexible

Our remote control system can be taught on the radio modules with a simple method that does not require buttons or hardware coding. Three switching groups are available on the remote control, each of which can be assigned to two radio modules, offering a wide range of possible switching scenarios. The flexibility and convenience of our radio technology can be seen in applications such as controlling circulating pumps (heating), devices behind furniture and in other hard-to-reach locations, room lighting, and appliances with standby mode (e.g. entertainment systems).

- · Easy setup and operation
- $\cdot$  Good radio penetration and reliability
- · Flexible use
- · Radio range min. 50 m outdoors

Art. no. Version

## Accessories for radio remote control modules

Remote control for switching radio modules, compatible with standard and SART modules

821.017

- · 3 groups with 2 buttons each (ON/OFF)
- · Status LED
- · 3 buttons for pairing
- · Sturdy design
- · Operate with 2 x micro AAA battery



Art. no. Version

.0 m H05V	V-F 3G 1.5 mm², black, with right angle plug with earthing contact, without switch	9 9
321.000	· 3 x socket outlet with earthing contact, can be switched jointly	999
	· Radio module with one switching group	
321.001	· 6 x socket outlet with earthing contact, can be switched jointly	3
	· Radio module with one switching group	333
321.002	· 6 x socket outlet with earthing contact, can be switched jointly	
	Overvoltage protection + mains and frequency filters	
	· Radio module with one switching group	999
321.003	· 6 x socket outlet with earthing contact, can be switched in groups of 2	300
	· 2 x socket outlet with earthing contact, continuous voltage	
	Overvoltage protection + mains and frequency filters	
	· Radio module with 3 switching groups	
321.032	· 3 x socket outlet with earthing contact, can be switched jointly	3
	· Radio module with one switching group	
	· 1 x socket outlet with earthing contact, continuous voltage	33.5
321.033	· 3 x socket outlet with earthing contact, can be switched individually	
	· Radio module with 3 switching groups	
	1 x socket outlet with earthing contact, continuous voltage	

Art. no. Version

2.0 m H05V	V-F 3G 1.5 mm <sup>2</sup> , black, with right angle plug with earthing contact, without switch
821.008	· 3 x socket outlet with earthing contact, can be switched jointly
	· Radio module with one switching group
821.009	· 6 x socket outlet with earthing contact, can be switched jointly
	· Radio module with one switching group
821.010	· 6 x socket outlet with earthing contact, can be switched jointly
	· Overvoltage protection + mains and frequency filters
	· Radio module with one switching group
821.011	· 6 x socket outlet with earthing contact, can be switched in groups of 2
	· 2 x socket outlet with earthing contact, continuous voltage
	· Overvoltage protection + mains and frequency filters
	· Radio module with 3 switching groups
821.030	· 3 x socket outlet with earthing contact, can be switched jointly
	· Radio module with one switching group
	· 1 x socket outlet with earthing contact, continuous voltage
821.031	· 3 x socket outlet with earthing contact, can be switched individually
	· Radio module with 3 switching groups
	· 1 x socket outlet with earthing contact, continuous voltage







## Automatic switchoff Switch off and save power

The Bachmann automatic switchoff unit allows efficient savings in power consumption by modern-day office equipment during non-working hours without a major outlay on wiring.

Switching equipment off completely is no longer left to chance: power saving now begins as soon as the workstation PC is shut down.

The effectiveness of this system exceeds the savings possible with master-and-slave multiple-socket outlets, since no standby current is drawn by the master device and total power consumption during on-working hours is exactly zero.

- · Complete interrupt
- · No standby current is drawn by the master device
- · No electricity no fire risk
- · Potential saving of up to €70 per year and workstation
- $\cdot$  Improvement to carbon footprint



#### Automatic switchoff

While power outlets with switches are mostly well suited to energy saving, since they can prevent the connected equipment being left in standby mode, unfortunately people often forget to switch them off. The automatic switchoff device saves energy automatically, using intelligent electronics.

- 30 seconds after switch-off/shutdown of the device plugged into the master socket, automatically cuts off power to all devices plugged into the slave sockets (e.g. PC, TV).
- · Power can be restored simply by pressing the button.
- · Optional remote-controlled relay (can be simply mounted on the desk/table top)
- $\cdot$  Energy saving per workstation (with PC, monitor and printer) up to 200 kWh/year



Master and slave p. 227

## Master & slave GREEN

Energy can also be automatically saved using a master and slave power strip. When the device plugged into the master socket is switched off or on, this and all the devices connected to the slave sockets (e.g. PC, TV) are automatically switched off or on accordingly.

A particularly convenient feature is that the master-and-slave electronics is also suitable for master appliances with remote control.

- $\cdot$  Once master device is shut down/switched off, automatically isolates this and all slave devices from supply
- · Automatically switches on master device and all slave devices once master device has been switched on
- · Integral LED indicates switching status
- $\cdot$  Energy saving per workstation (with PC, monitor and printer) up to 150 kWh/year



Timer switches p. 292

## Timer switch GREEN

Numerous appliances both at home and at work can be used significantly more efficiently with a simple-to-operate timer switch. The timer switch never forgets, and so the user need not be concerned with switching on and off.

· Switches connected devices on and off automatically in the timeframe selected



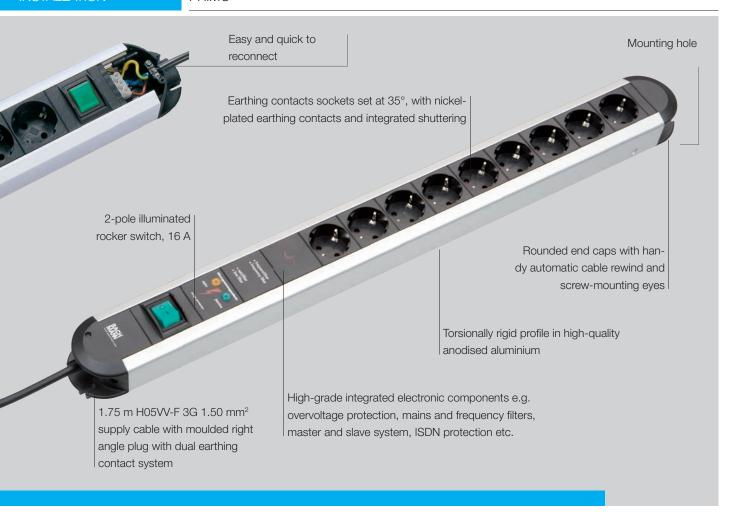
## Energy measuring instrument GREEN

Identifying "power guzzlers" is essential if monitoring and reduction of energy consumption is to be effective. This energy measuring instrument gives a complete and clear overview of which device or group of devices is consuming excessive power. It measures energy consumption (kWh) and current effective power (W), thus enabling the desired savings to be made.

- $\cdot$  For monitoring energy consumption and advance energy cost calculation for the devices connected
- $\cdot$  With plug adaptor for mobile use with different consumers

Energy measurement instruments p. 291





# PRIMO Power strips for professionals



- · Tested components
- · Halogen and PVC-free socket recesses
- Variants with: overvoltage protection conforming to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3 mains and frequency filters to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz USB charger with 2.150mA charging current

## Max. 16A/3680W

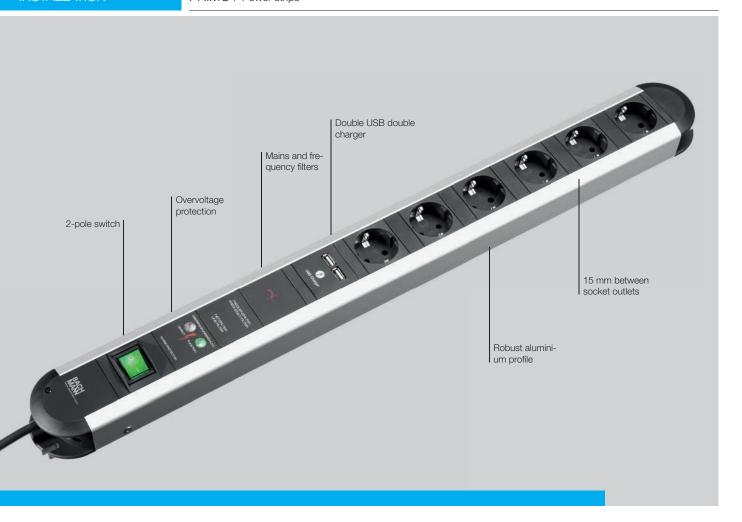
· 1.75 m supply cable: H05VV-F 3G 1.50 mm², socket inserts black, with moulded right angle plug with earthing contact

	Version	Dimensions: (L x W x H)	
PRIMO			
Without swit	tch		
331.000	· 3 x socket outlet with earthing contact. black	approx. 304 x 71 x 46 mm	
331.010	· 6 x socket outlet with earthing contact. black	approx. 431 x 71 x 46 mm	
331.011	· 9 x socket outlet with earthing contact. black	approx. 560 x 71 x 46 mm	
331.012	· 12 x socket outlet with earthing contact. black	approx. 690 x 71 x 46 mm	
PRIMO			
1 x switch, g	green		
330.070	· 3 socket outlets with earthing contact, black	approx. 304 x 71 x 54 mm	
330.071	· 6 socket outlets with earthing contact, black	approx. 431 x 71 x 54 mm	
330.072	· 9 socket outlets with earthing contact, black	approx. 560 x 71 x 54 mm	
330.073	· 12 socket outlets with earthing contact, black	approx. 690 x 71 x 54 mm	
PRIMO, 6 x	earthing contact		
1 x overvolta	age protection, without switch		
331.014	6 x socket outlet with earthing contact	approx. 474 x 71 x 47 mm	13
	Overvoltage and transient protection		
			4
PRIMO 6	· Discharge current 6.5 kA		
	Discharge current 6.5 kA     earthing contact		
1 x overvolta	Discharge current 6.5 kA      earthing contact age protection, 1 x switch, green	opprov 474 v 74 v 54 mm	
	Discharge current 6.5 kA      cearthing contact age protection, 1 x switch, green	approx. 474 x 71 x 54 mm	
1 x overvolta	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	approx. 474 x 71 x 54 mm	
1 x overvolta	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	approx. 474 x 71 x 54 mm	THE STATE OF
1 x overvolta	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	approx. 474 x 71 x 54 mm	THE REAL PROPERTY.
1 x overvolta 331.013 PRIMO	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green		All times and the same of the
1 x overvolta 331.013 PRIMO 1 x overvolta	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green		All times and the same of the
1 x overvolta 331.013  PRIMO 1 x overvolta Overvoltage	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	ch	ATT THE CONTROL OF
PRIMO 1 x overvolta 2 331.013  PRIMO 1 x overvolta 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	ch approx. 515 x 71 x 47 mm	division of the second
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PRIMO 1 x overvolta 331.013  PRIMO 1 x overvoltage 331.006 331.007  PRIMO	Discharge current 6.5 kA      Gearthing contact     age protection, 1 x switch, green	ch approx. 515 x 71 x 47 mm approx. 645 x 71 x 47 mm	Children and a second a second and a second and a second and a second and a second
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PRIMO 1 x overvolta 2 vervolta 3 31.013  PRIMO 1 x overvolta 2 vervoltage 3 31.006 3 31.007  PRIMO 1 x overvoltage 2 vervoltage	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	ch approx. 515 x 71 x 47 mm approx. 645 x 71 x 47 mm	A THE RESERVE OF THE PARTY OF T
PRIMO 1 x overvolta 331.013  PRIMO 1 x overvolta Overvoltage 331.006 331.007  PRIMO 1 x overvoltage Overvoltage Switch, gree	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	ch approx. 515 x 71 x 47 mm approx. 645 x 71 x 47 mm	Child and the second se
PRIMO 1 x overvolta 2 vervolta 3 31.013  PRIMO 1 x overvolta 2 vervoltage 3 31.006 3 31.007  PRIMO 1 x overvoltage 2 vervoltage	Discharge current 6.5 kA      cearthing contact     age protection, 1 x switch, green	ch approx. 515 x 71 x 47 mm approx. 645 x 71 x 47 mm	Child and the second se

## Overvoltage protection with filter

Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.



Art. no.

Version

## PRIMO power strip, complete device protection

Length approx. 690 mm

Overvoltage protection, mains and frequency filters, USB double charger

331.055

- · Overvoltage protection
- $\cdot$  Mains and frequency filters with function display and fail indicator
- $\cdot$  USB double charger 4.75 V-5.25 V; max 2 A
- $\cdot$  6 x socket outlet with earthing contact, set at 90°, black
- · 15 mm spacing between socket outlets
- · Can be rewired
- $\cdot$  1.75 m supply cable H05VV-F 3G 1.5  $\text{mm}^2$
- · With moulded right angle plug with earthing contact, black

- $\cdot$  Overvoltage protection conforming to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3
- · Mains and frequency filters to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz
- · 2.150 mA charging current
- $\cdot$  For smartphones, tablet PCs, digital cameras etc.
- · Permanently installed, so no separate power supply units required
- · Convenient charging
- $\cdot$  6 x socket outlet with earthing contact, set at 90°
- · 15 mm between socket outlets





## Max. 16A/3680W

· 1.75 m supply cable: H05VV-F 3G 1.50 mm² with moulded right angle plug with earthing contact

Version Dimensions: (L x W x H) Art. no. PRIMO, 6 x earthing contact

1 x overvoltage protection + mains and frequency filters, 1 x ISDN protection, 1 x green switch

331.074\*

- · 6 x socket outlet with earthing contact
- $\cdot$  Overvoltage protection + mains and frequency filters
- · ISDN overvoltage protection for
- $\cdot$  1 x ISDN input , 3 x ISDN output



## PRIMO, 1 + 6 x earthing contact

Master & slave

332.071

- · 1 + 6 x socket outlet with earthing contact
- · Adjustable threshold value

approx. 573 x 71 x 47 mm

approx. 645 x 71 x 54 mm



## PRIMO, 1 + 6 x earthing contact

Master & slave, with overvoltage protection + mains and frequency filters

333.071

- · 1 + 6 x socket outlet with earthing contact
- · Adjustable threshold value
- · Overvoltage protection + mains and frequency filters

approx. 695 x 71 x 47 mm



## PRIMO Alu with USB double charger

8 x socket outlet with earthing contact

331.154

- Socket inserts set at 35°
- · Double USB charging port with 2150 mA
- · Switch, green
- · 1.75m H05VV-F 3G1.5 mm2 supply cable, black
- · With right-angled earthing contact plug

approx. 560 x 71 x 54 mm



## PRIMO, 5 x earthing contact

85 mm socket outlet spacing, without switch

Ideal for mains adaptor plugs

· 5 x socket outlet with earthing contact. black

approx. 515 x 71 x 46 mm



## PRIMO, 6 x earthing contact

IT red, without switch

· 6 x red socket outlet with earthing contact for IT circuits approx. 390 x 71 x 46 mm

## PRIMO, 6 x earthing contact

Residual current device

331.035

- · 6 x socket outlet with earthing contact
- · 30 mA residual current device
- · Tripping time < 30 mS
- · 2-pole

approx. 516 x 71 x 83 mm

Overvoltage protection with filter: Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet



## Ideal for office applications with Wieland supply cable

Art. no. Version

## PRIMO power strip with automatic switchoff

Length approx. 670 mm

1 x master, 5 x slave, 2 x continuous operation (red)

31.089

- $\cdot$  2 x socket outlet with earthing contact, set at 35° red
- $\cdot$  1 x socket outlet with earthing contact, set at 35°, black master
- $\cdot$  5 x socket outlet with earthing contact, set at 35°, black slave
- $\cdot$  1 x 0.1m H05VV-F 3G 1.5mm² with GST18i3 plug
- $\cdot$  2 m supply cable H05VV-F 3G 1.5mm² supplied with right-angled earthing contact plug
- $\cdot$  1 x 0.1m H05VV-F 2G 0.75 mm² black with GST15/2 plug
- · Foot switch with 2 m supply cable H05W-F 2 G 0.75 mm<sup>2</sup>

The benefits at a glance

- $\cdot$  No standby current is drawn by the master device
- · No power consumption during on-working hours.

30 seconds after the device connected to the master socket is shut down/switched off, it automatically isolates this and all the devices connected to slave sockets (e.g. PC, TV etc.) from the supply.

The two red socket outlets are disconnected from the automatic switchoff in order to keep the power supply for the connected devices (e.g. IP phone, fax, hard disk recorder) continuously in operation.

- · Power can be restored simply by pressing the button.
- · Wieland connection system GST18 makes the length of the connecting cable flexible

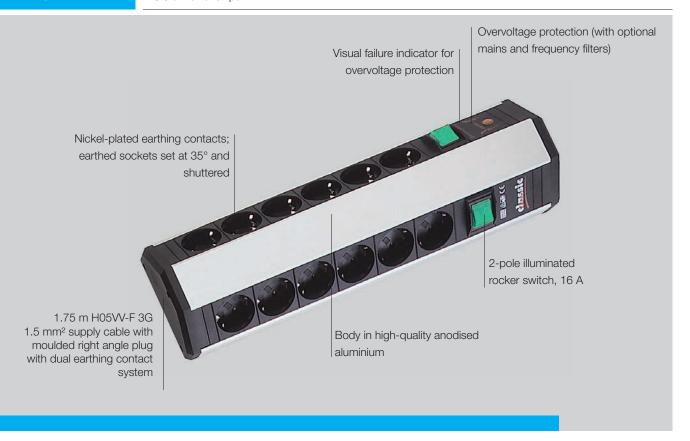
247



					for	ers							
PRIMO	Country code	Socket outlets	Switch	Overvoltage protection	Overvoltage protection for ISDN	Mains and frequency filters	Master&slave	30mA residual current device	Can be rewired	Shuttered	Length in mm	Automatic switchoff	USB double charger
331.000	DE	3	-	-	-	-	-	-	yes	yes	304		
330.070	DE	3	yes	-	-	-	-	-	yes	yes	304		
331.032	DE	5	85 mm between socket outlets						yes	yes	515		
331.010	DE	6	-	-	-	-	-	-	yes	yes	431		
331.040	DE	6	-	-	-	-	-	-	yes	yes	390		
331.035	DE	6	-	-	-	-	-	yes	yes	yes	516		
330.071	DE	6	yes	-	-	-	-	-	yes	yes	431		
331.014	DE	6	-	yes	-	-	-	-	yes	yes	474		
331.013	DE	6	yes	yes	-	-	-	-	yes	yes	474		
331.006	DE	6	-	yes	-	yes	-	-	yes	yes	515		
331.071	DE	6	yes	yes	-	yes	-	-	yes	yes	560		
331.074*	DE	6	yes	yes	yes	yes	-	-	yes	yes	645		
332.071	DE	1+6	-	-	-	-	yes	-	yes	yes	573		
333.071	DE	1+6	-	yes	-	yes	yes	-	yes	yes	695		
331.154	DE	8	yes	-	-	-	-	-	yes	yes	560		
331.011	DE	9	-	-	-	-	-	-	yes	yes	560		
330.072	DE	9	yes	-	-	-	-	-	yes	yes	560		
331.007	DE	9	-	yes	-	yes	-	-	yes	yes	645		
331.072	DE	9	yes	yes	-	yes	-	-	yes	yes	690		
331.012	DE	12	-	-	-	-	-	-	yes	yes	690		
330.073	DE	12	yes	-	-	-	-	-	yes	yes	690		
331.089	DE	8	-	-	-	-	yes	-	yes	yes	670	yes	-
331.055	DE	6	yes	yes	-	yes	-	-	yes	yes	690	-	yes

Overvoltage protection with filter: Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.

\* No storage type





## High-grade power strip

Max. 16 A / 3680 W

 $\cdot$  Supply cable: 1.75 m H05VV-F 3G 1.50 mm², black, with moulded right angle plug with dual earthing contact system, socket inserts black, set at 35°, shuttered

Art. no. Version Dimensions: (L x W x H)

DUO 6 x ear	thing contact	Aluminium
1 x switch		
335.002	<ul> <li>6 x socket outlet with earthing contact, set at 35°</li> <li>1 x switch, green</li> </ul>	240 x 116 x 60 mm
DUO 2 x 6 e	arthing contact	Aluminium
1 x overvoltaç	ge protection, 2 x switch	
335.009	<ul> <li>12 x socket outlet with earthing contact, set at 35°</li> <li>2 x switch, green; one switch per side</li> </ul>	405 x 116 x 60 mm
DUO 6 x ear	thing contact	Aluminium
1 x overvoltaç	ge protection with mains and frequency filters, 1 x switch	
335.007	6 x socket outlet with earthing contact, set at 35°     1 x switch, green	325 x 116 x 60 mm



- $\cdot$  Installation kit with fixing screws included
- · Highly ergonomic power strip
- · Clear connection system



## COMPACT

## Socket tower

Max. 16A/3680W

· Supply cable: 1.75 m H05VV-F 3G 1.50 mm², black, with moulded right angle plug with dual earthing contact system, socket inserts black, set at 35°, shuttered

Art. no. Version Dimensions: (L x W x H)

COMPACT	「8 x earthing contact		Aluminium
1 x switch			
334.006	8 x socket outlet with earthing contact, set at 35°     1 x switch, green	116 x 116 x 179 mm	
COMPACT	「12 x earthing contact		Aluminium
1 x switch			
334.001	12 x socket outlet with earthing contact, set at 35°     1 x switch, green	116 x 116 x 222 mm	
COMPACT	「9 x earthing contact		Aluminium
1 x overvolt	tage protection with mains and frequency filters, 1 x switch		
334.003	• 9 x socket outlet with earthing contact, set at 35°	116 x 116 x 222 mm	

The benefits at a glance

· 1 x switch, green

- · Ideal for large number of plugs in limited space
- · Attractive design

· Overvoltage protection with mains and frequency filters

· Mounting accessories included





## NEW CONNECT LINE

Designed for the office and home



- · Slimline design
- · Compact power strip
- · Large product family
- · Multitude of components
- $\cdot$  USB double charger or overvoltage protection
- · Flexible mounting options
- · Plug-and-play

## CONNECT LINE, without switch

Art. no. Version

## CONNECT LINE 4 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm² with right angle plug with earthing contact

420.0017

- · 4 x socket outlet with earthing contact
- · 2 m supply cable

## CONNECT LINE 6 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm² with right angle plug with earthing contact

420.0018

- · 6 x socket outlet with earthing contact
- · 2 m supply cable

## CONNECT LINE 8 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm<sup>2</sup> with right angle plug with earthing contact

- · 8 x socket outlet with earthing contact
- · 2 m supply cable

#### CONNECT LINE, with switch

Art. no. Version

## CONNECT LINE 4 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm<sup>2</sup> with right angle plug with earthing contact

420.0012

- · 4 x socket outlet with earthing contact with switch
- · 2 m supply cable

## CONNECT LINE 5 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm<sup>2</sup> with right angle plug with earthing contact

- · 5 x socket outlet with earthing contact with switch
- · 2 m supply cable

## CONNECT LINE 7 x socket outlet with earthing contact, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm<sup>2</sup> with right angle plug with earthing contact

420.0014

- · 7 x socket outlet with earthing contact with switch
- · 2 m supply cable

## CONNECT LINE 5 x socket outlet with earthing contact with USB double charger (5.2V/2.15A), black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm² with right angle plug with earthing contact

420.0021

- · 5 x socket outlet with earthing contact; with switch
- · USB double charger (5.2 V / 2.15 A to charge smartphones and tablet PCs)

## CONNECT LINE 5 x socket outlet with overvoltage protection, 6.5 kA, black

Plastic profile, black; 2.0 m supply cable H05VVF-F3G 1.5mm² with right angle plug with earthing contact

420.0022

- · 5 x socket outlet with earthing contact; with switch
- $\cdot$  Overvoltage protection 6.5kA, visual function and fail indicator

## ALL ITEMS INCLUDING MOUNTING





















# CONNECTUS Modular plastic power strip.

- · Very good value for money
- · Exclusive to the specialist trade
- · Wide range
- · High-grade technology
- · Tested components
- · Halogen and PVC-free socket recesses

· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black

Art. no. Version Dimensions: (L x W x H)

CONNECTUS					
1 x rocker sv	witch, green				
330.100	· 4 x socket outlet with earthing contact	approx. 355 x 72 x 49 mm			
330.101	· 6 x socket outlet with earthing contact	approx. 440 x 72 x 49 mm			
330.102	· 9 x socket outlet with earthing contact	approx. 570 x 72 x 49 mm			
330.103	· 12 x socket outlet with earthing contact	approx. 695 x 72 x 49 mm			





### CONNECTUS 6 x earthing contact

1 x overvoltage protection, 1 x rocker switch, green

330.104

- · 6 x socket outlet with earthing contact
- · Overvoltage protection
- · Visual function and fail indicator

approx. 480 x 72 x 49 mm



#### CONNECTUS 6 x earthing contact

1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, green

330.105

- · 6 x socket outlet with earthing contact
- · Overvoltage protection + mains and frequency filters
- · Visual function and fail indicator

approx. 568 x 72 x 49 mm



# CONNECTUS 1 + 4 x earthing contact

Master & slave

330.106

- $\cdot$  1 master + 4 slave socket outlet with earthing contact
- · Adjustable threshold value

approx. 480 x 72 x 42 mm



# CONNECTUS 1 + 4 x earthing contact

Master & slave, with overvoltage protection + mains and frequency filters

330.107

- · 1 master + 4 slave socket outlet with earthing contact
- · Adjustable threshold value
- $\cdot$  Overvoltage protection + mains and frequency filters
- $\cdot\,$  Visual function and fail indicator

approx. 610 x 72 x 49 mm



 Supply cable: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, with black IEC non-heating appliance plug, type C14, red socket outlets

Art. no. Version Dimensions: (L x W x H)

# CONNECTUS, 3 x earthing contact

#### 1 x 10 A fuse

330.300

· 3 x socket outlet with earthing contact, red

· Miniature fuse, 10 A

approx. 273 x 72 x 46 mm



# Max. 16 A / 3680 W

- $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, with black IEC non-heating appliance plug, type C14, red socket outlets
- · Foot-operated switch with 2-pole cut-out
- · Activating the foot switch halts unnecessary standby power consumption in stand-by mode by the connected devices

Art. no. Version Dimensions: (L x W x H)



#### **CONNECTUS Energy Saver**

#### 6 x earthing contact, shuttered, 1 x foot-operated switch

330.142

- · LED function indicator in foot switch
- · 1.5 m H05VV-F4G 1.50 mm<sup>2</sup> cable to switch
- · 6 x socket outlet with earthing contact

approx. 442 x 72 x 49 mm

# 6 x earthing contact, shuttered, 1 x full equipment protection, 1 x foot-operated switch with LED, black

330.153

- H05VV-F 3G 1.50 mm<sup>2</sup> supply cable, 1.5 m, black, to plug
- · H05VV-F 4G 1.50 mm², 1.5 m, black, to foot switch
- 1 x full equipment protection (OVP + mains and frequency filters)
- $\cdot$  Does not open, cannot be reconnected
- · Packaged in box

approx. 572 x 72 x 49 mm



- · Supply cable: 2.0 m H05VV-F 3G 1.50 mm2, black with right angle plug with earthing contact
- $\cdot$  External button (foot-activated switch) on 2.0 m cable
- · Also cuts off standby consumption from master socket

Art. no. Version Dimensions: (L x W x H)



### CONNECTUS

### 1 x master + 4 slave 1 x integrated automatic switchoff

330.140

- · 1 master + 4 slave socket outlets with earthing contact
- · With integral automatic switchoff device
- · with external button
- · Adjustable threshold value

approx. 538 x 72 x 49 mm



Overvoltage protection with filter: Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 n.S. Suitable for 16.4 (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.

· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black

Art. no. Version Dimensions: (L x W x H)

 CONNECTUS

 1 x rocker switch, orange

 330.100F
 · 4 x UTE socket outlet
 approx. 355 x 72 x 49 mm

 330.101F
 · 6 x UTE socket outlet
 approx. 440 x 72 x 49 mm



#### **CONNECTUS 6 x UTE socket outlet**

1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, orange

330.104F\*

- · 6 x UTE socket outlet
- · Overvoltage protection + mains and frequency filters
- · Visual function and fail indicator

approx. 480 x 72 x 49 mm



# CONNECTUS 1 + 4 x UTE socket outlet

#### Master & slave

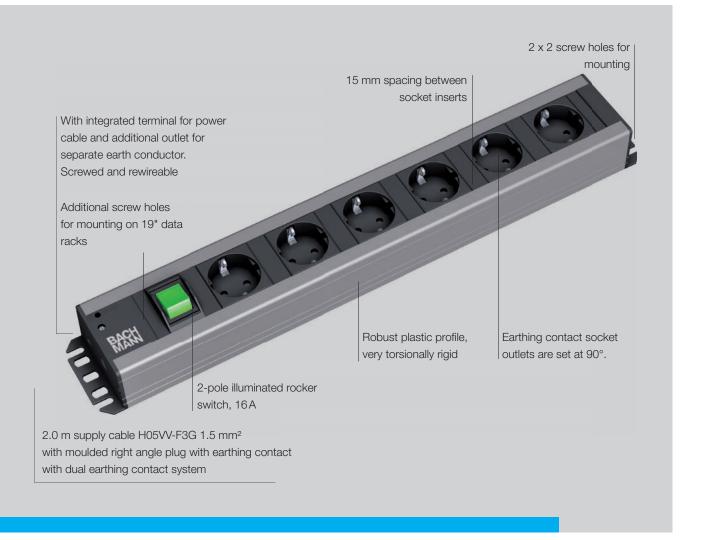
330.106F\*

- · 1 master + 4 slave socket outlet with earthing contact
- · Adjustable threshold value

approx. 480 x 72 x 49 mm

# **CONNECTUS – Product matrix**

CONNECTUS	Country code	Socket outlets	Switch	Foot switch with function LED with 1.5m cable	Foot switch without function LED with 2 m cable	Overvoltage protection	Mains and frequency filters	Master&slave	Master&Slave with automatic switchoff device	Can be rewired	Shuttered	Length in mm
330.100	DE	4	yes	-		-	-	-	-	-	yes	355
330.106	DE	1+4	-	-	-	-	-	yes	-	-	yes	480
330.140	DE	1+4	-	-	yes	-	-	-	yes	-	yes	538
330.107	DE	1+4	-	-	-	yes	yes	yes	-	-	yes	610
330.101	DE	6	yes	-		-	-	-	-	-	yes	440
330.142	DE	6	-	yes	-	-	-	-	-	-	yes	442
330.104	DE	6	yes			yes	-	-	-	-	yes	480
330.105	DE	6	yes	-	-	yes	yes	-	-	-	yes	568
330.153	DE	6	-	yes	-	yes	yes	-	-	-	yes	572
330.102	DE	9	yes	-		-	-	-	-	-	yes	570
330.103	DE	12	yes	-		-	-	-	-	-	yes	695
330.300	DE	3	with IEC non-heating ap- pliance miniature 10A fuse							-	yes	273
330.100F	UTE	4	yes	-		-	-	-	-	yes	yes	355
330.106F*	UTE	1+4	-	-	-	-	-	yes	-	yes	yes	480
330.101F	UTE	6	yes	-		-	-	-	-	yes	yes	440
330.104F*	UTE	6	yes	-		yes	yes	-	-	yes	yes	480



# Tradesman's strip Robust, professional quality plastic strip

With increased distance between socket outlets, allowing easy positioning of mains adaptor plugs and operating equipment.



The benefits at a glance

- · Modern, technical design
- · End caps with additional screw holes for mounting in data racks
- $\cdot$  Additional earth conductor connection possible without opening the housing
- · Strips available in 19" dimensions

### Tradesman's strip, set at 90°

- · Supply cable: 2.0 m H05VV-F3G 1.50 mm², black with right angle plug with earthing contact
- · Socket inserts, black, 15 mm spacing between sockets

Version Dimensions: (L x W x H) Art. no.

Power strip	90°							
Without switch								
300.000	· 6 x socket outlet with earthing contact	approx. 445 x 74 x 45 mm						
300.001	· 9 x socket outlet with earthing contact	approx. 617 x 74 x 45 mm						
300.002	· 12 x socket outlet with earthing contact	approx. 790 x 74 x 45 mm						



1 x rocker switch, green							
300.003	· 6 x socket outlet with earthing contact	approx. 445 x 74 x 45 mm					
300.004	· 9 x socket outlet with earthing contact	approx. 617 x 74 x 45 mm					
300.005	· 12 x socket outlet with earthing contact	approx. 790 x 74 x 45 mm					



1 x overvoltag	ge protection	, 1	x rocker	switch,	green

300.011 · 6 x socket outlet with earthing contact approx. 490 x 74 x 45 mm



#### 1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, green

 6 x socket outlet with earthing contact approx. 575 x 74 x 45 mm



#### Overvoltage protection with filter:

Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request).

Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.

# Tradesman's strip, set at 90°

· Supply cable: 2.0 m H05VV-F3G 1.50 mm², black with right angle plug with earthing contact Socket inserts, black, 15 mm spacing between sockets

Art. no. Version Dimensions: (L x W x H)

# Tradesman's strip with USB double charger

#### 5 x socket outlet with earthing contact

300.030

- · Socket inserts set at 90°
- · Double USB charging port with 2150 mA
- · Switch, green
- · 2.0 m supply cable H05VV-F 3G 1.5 mm2 black
- · With right angle plug with earthing contact

approx. 445 x 74 x 45 mm



Art. no. Version

#### Tradesman's strip with disengageable socket outlets

Socket inserts set at 90°; green switch

Supply cable 2.0 m H05VV-F 3G 1.5mm<sup>2</sup>, black with right angle plug with earthing contact

300.049 4 x socket outlet with earthing contact · Each socket outlet can be individually disengaged

300.050 · 6 x socket outlet with earthing contact

· Each socket outlet pair can be individually disengaged



#### Tradesman's strip with supply cable on opposite side

Socket inserts set at 90°; green switch

Supply cable 2.0 m H05VV-F 3G 1.5mm², black with right angle plug with earthing contact

300.008

- · 6 x socket outlet with earthing contact
- · Supply cable and switch on opposite sides

#### Tradesman's strip, set at 35°

- · Supply cable: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>, black
- · Screwing dimension 465 mm, socket outlets set at 35°

Art. no. Version Dimensions: (L x W x H)



Without switch

approx. 445 x 74 x 45 mm 300.006 · 8 x socket outlet with earthing contact

1 x rocker switch, green

· 7 x socket outlet with earthing contact 300.007

· In neutral plastic bag

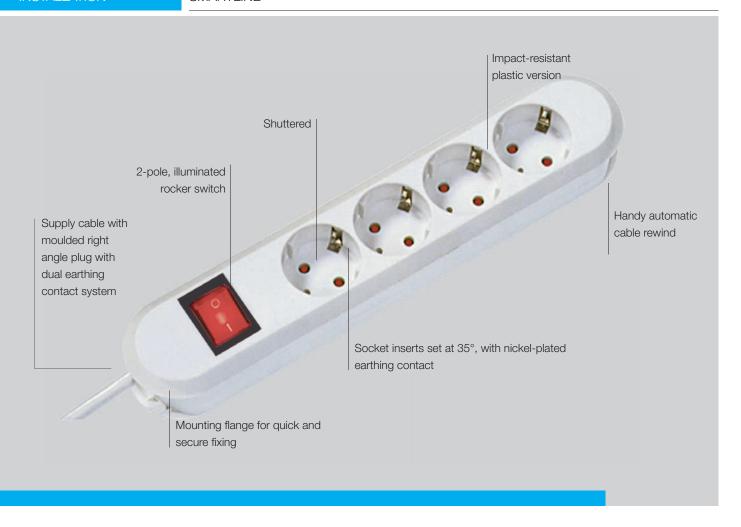
approx. 445 x 74 x 45 mm





# Tradesman's strip - Product matrix

Article number	Country code	Socket inserts set at 90°	Switch	Overvoltage protection	Mains and frequency filters	Can be rewired	Shuttered	Note	Length in mm	USB double charger
300.030	DE	5	yes	-	-	yes	-	USB	445	yes
300.000	DE	6	-	-	-	yes	-	19"	445	-
300.003	DE	6	yes	-	-	yes	-	19"	445	-
300.011	DE	6	yes	yes	-	yes	-	-	490	-
300.007	DE	7 (35°)	yes	-	-	yes	-	19"	445	-
300.006	DE	8 (35°)	-	-	-	yes	-	19"	445	-
300.001	DE	9	-	-	-	yes	-	-	617	-
300.004	DE	9	yes	-	-	yes	-	-	617	-
300.002	DE	12	-	-	-	yes	-	-	790	-
300.005	DE	12	yes	-	-	yes	-	-	790	-
300.012	DE	6	yes	yes	yes	yes	-	-	575	-
300.008	DE	6	yes	-	-	yes	-	-	525	-
300.049	DE	4	yes-4	-	-	yes	-	-	494	-
300.050	DE	6	yes-3	-	-	yes	-	÷	566	-



# **SMARTLINE**

Desk socket outlet in specialist trade quality.



The benefits at a glance

- · Exclusive to the specialist trade
- · Specialised trade design
- · For professional use
- · Tested quality
- · Product variants:
- · Screwed and rewireable
- · Overvoltage protection

For suitable screw mounting, see page 263

- $\cdot$  3 x socket outlet with earthing contact
- · Supply cable: H05VV-F 3G 1.50 mm²

Art. no. Version Unit

SMARTLIN	E (not rewireable)	Dimensions: approx. 185 x 56 x 41 mm					
1.5 m supply	y cable, screwed (single use screws), without switch						
· 3 x socket outlet with earthing contact, shuttered							
387.170	· Black	20 items					
387.270	· White	20 items					
3.0 m supply	y cable, screwed (single use screws), without switch						
· 3 x socket	outlet with earthing contact, shuttered						
387.171	· Black	20 items					
387.271	· White	20 items					
5.0 m supply	y cable, screwed (single use screws), without switch						
· 3 x socket outlet with earthing contact, shuttered							
387.172	· Black	15 items					
387.272	· White	15 items					



Art. no. Version Unit

SMARTLIN	E (rewireable)	Dimensions: approx. 185 x 56 x 41 mm
1.5 m suppl	y cable, screwed (reusable screws), without switch	
· 3 x socket	outlet with earthing contact, shuttered	
388.170	· Black	20 items
388.270	· White	20 items
3.0 m suppl	y cable, screwed (reusable screws), without switch	
· 3 x socket	outlet with earthing contact, shuttered	
388.171	· Black	20 items
388.271	· White	20 items
388.471	· Brown	20 items
388.371	· Red	20 items
5.0 m suppl	y cable, screwed (reusable screws), without switch	
· 3 x socket	outlet with earthing contact, shuttered	
388.172	· Black	15 items
388.272	· White	15 items
Without sup	oply cable, screwed (reusable screws), without switch	
· 3 x socket	outlet with earthing contact, shuttered	
385.170	· Black	20 items
385.270	· White	20 items



· Supply cable: H05VV-F 3G 1.50 mm², white

Art. no.	Version	Unit							
SMARTLINE	4 x earthing contact	Dimensions: approx. 288 x 56 x 41 mm							
1.5 m supply	1.5 m supply cable, screwed (reusable screws), rewireable, without switch								
· 4 x socket o	· 4 x socket outlet with earthing contact, shuttered								
381.121K	· Black	20 items							
381.221K	· White	20 items							
1.5 m supply	cable, 1 x switch, screwed (reusable screws), rewireable								
· 4 x socket o	outlet with earthing contact, shuttered								
381.130K	· Black	20 items							
381.230K	· White	20 items							
SMARTLINE	6 x earthing contact	Dimensions: approx. 370 x 56 x 41 mm							
1 x overvolta	ge protection, 1 x switch, 1.5 m supply cable, screwed (screws no	on-reusable), non-rewireable							
· 6 x socket o	outlet with earthing contact, shuttered								
Ü	protection consisting of: 2 varistors, nominal discharge current 6	.5kA, 16A,							
	perature fuse and visual fail indicator								
381.2501K	· White	20 items							
SMARTLINE	6 x earthing contact	Dimensions: approx. 340 x 56 x 41 mm							
1.5 m supply	cable, screwed (reusable screws), rewireable, without switch								
	putlet with earthing contact, shuttered								
381.147K	· Black	20 items							
381.247K	· White	20 items							
3.0 m supply	cable, screwed (reusable screws), rewireable, without switch								
· 6 x socket o	· 6 x socket outlet with earthing contact, shuttered								
381.148K	· Black	20 items							
381.248K	· White	20 items							

5.0 m supply cable, screwed (reusable screws), rewireable, without switch

Without supply cable, screwed (reusable screws) rewireable, without switch

1.5 m supply cable, 1 x switch, screwed (reusable screws), rewireable

3.0 m supply cable, 1 x switch, screwed (reusable screws), rewireable

 $\cdot$  6 x socket outlet with earthing contact, shuttered

 $\cdot$  6 x socket outlet with earthing contact, shuttered

· 6 x socket outlet with earthing contact, shuttered

· 6 x socket outlet with earthing contact, shuttered

· Black

· White

· Black

· White

· Brown

381.149K

381.249K

381.150K

381.250K

381.450K

381.246K · White







381.151K	· Black	20 items						
381.251K	· White	20 items						
5.0 m supply	5.0 m supply cable, 1 x switch, screwed (reusable screws), rewireable							
· 6 x socket o	· 6 x socket outlet with earthing contact, shuttered							
381.152K	· Black	15 items						
381.252K	· White	15 items						

15 items

15 items

20 items

20 items

20 items

20 items

· Supply cable: H05VV-F 3G 1.50 mm², white

Art. no. Version Unit

SMARTLINE 3 x French / UTE	Dimensions: approx. 185 x 56 x 41 mm
1.5 m supply cable, screwed (reusable screws), rewireable, without switch	
· 3 x French / UTE, shuttered	
388.270F · White	20 items
3.0 m supply cable, screwed (reusable screws), rewireable, without switch	
· 3 x French / UTE, shuttered	
388.271F · White	20 items



#### 



6 x French / UTE, shuttered
Overvoltage protection consisting of: 2 varistors, nominal discharge current 6.5kA, 16A, 3600 W, temperature fuse and visual fail indicator

 381.2512K
 · White
 20 items

 381.2507K
 · Black
 20 items



# Screw mounting for SMARTLINE power strips

Attaches to desk/table with screw mounting, e.g. on the edge of a desk Can be positioned lengthwise or crosswise

Art. no. Version Unit

# SMARTLINE desk attachment For all rewireable (reusable screws) power strips, plastic version 919.273 · White

1 item



# SMARTLINE – Product matrix



SMARTLINE	Country code	Socket outlets	Switch	Length Supply cable in meters	Overvoltage protection	Can be rewired	Shuttered	Length in mm
White								
387.270	DE	3	-	1.5	-	-	yes	185
387.271	DE	3	-	3	-	-	yes	185
387.272	DE	3	-	5	-		yes	185
385.270	DE	3	-	-	-	yes	yes	185
388.270	DE	3	-	1.5	-	yes	yes	185
388.271	DE	3	-	3	-	yes	yes	185
388.272	DE	3	-	5	-	yes	yes	185
381.221K	DE	4	-	1.5	-	yes	yes	288
381.230K	DE	4	yes	1.5	-	yes	yes	288
381.246K	DE	6	-	-	-	yes	yes	340
381.247K	DE	6	-	1.5	-	yes	yes	340
381.250K	DE	6	yes	1.5	-	yes	yes	340
381.2501K	DE	6	yes	1.5	yes	-	yes	370
381.248K	DE	6	-	3	-	yes	yes	340
381.251K	DE	6	yes	3	-	yes	yes	340
381.249K	DE	6		5	-	yes	yes	340
381.252K	DE	6	yes	5	-	yes	yes	340
Black								
387.170	DE	3	-	1.5	-	-	yes	185
387.171	DE	3	-	3	-	-	yes	185
387.172	DE	3	-	5	-	-	yes	185
385.170	DE	3	-	-	-	yes	yes	185
388.170	DE	3	-	1.5	-	yes	yes	185
388.171	DE	3	-	3	-	yes	yes	185
388.172	DE	3	-	5	-	yes	yes	185
381.121K	DE	4	-	1.5	-	yes	yes	288
381.130K	DE	4	yes	1.5	-	yes	yes	288

SMARTLINE	Country code	Socket outlets	Switch	Length Supply cable in meters	Overvoltage protection	Can be rewired	Shuttered	Length in mm
381.146K	DE	6	-	-	-	yes	yes	340
381.147K	DE	6	-	1.5	-	yes	yes	340
381.150K	DE	6	yes	1.5	-	yes	yes	340
381.148K	DE	6	-	3	-	yes	yes	340
381.151K	DE	6	yes	3	-	yes	yes	340
381.149K	DE	6		5	-	yes	yes	340
381.152K	DE	6	yes	5	-	yes	yes	340
381.249K	DE	6		5	-	yes	yes	340
381.252K	DE	6	yes	5	-	yes	yes	340
Brown								
388.471	DE	3	-	3	-	yes	yes	185
381.450K	DE	6	yes	1.5	-	yes	yes	340
red								
388.371	DE	3	-	3	-	yes		185

White								
388.270F	UTE	3	-	1.5	-	yes	yes	185
388.271F	UTE	3	-	3	-	yes	yes	185
381.250F	UTE	6	yes	1.5	-	yes	yes	340
381.2512K	UTE	6	yes	3	yes	yes	yes	340
Black								
381.2507K	UTE	6	yes	3	yes	yes	yes	340

6 x earthing contact

381.241S

Angled plug set at 45°, without switch

6 x socket outlet with earthing contact, shuttered

· White, supply cable 1.5 m

· Supply cable: H05VV-F 3G 1.50 mm², white

Art. no.	Version		Unit
----------	---------	--	------

A	1.1





Angled plug, set at 45°, 1 x switch, red					
3 x socket outlet with earthing contact, shuttered					
384.270S	· White, supply cable 1.5 m	20 items			



381.141S	· Black, supply cable 1.5 m	20 items				
Angled plug,	ngled plug, set at 45°, 1 x switch, red					
6 x socket ou	6 x socket outlet with earthing contact, shuttered					
381.244S	· White, supply cable 1.5 m	20 items				
381.144S	· Black, supply cable 1.5 m	20 items				

20 items

### Multiple plug adaptor

Art. no. Version Unit

# Multiple plug adaptor, max. 2.5A/250V~

2 x Euro socket outlet 921.271 · White

30 items

1 item





Art. no. Version Unit

Surface-mounted standard ERGE socket outlet with earthing contact 1 x surface-mounted earthing contact socket, DIN 49 440

382.204 · Greenland white 10 items

2 x surface-mounted earthing contact socket, DIN 49 440

382.205 · Greenland white 10 items



#### Overload protection

Art. no. Version Unit

# Series 8110 overload-protected power strip

2-way

924.164

- · 230V~, 50Hz/16 A
- $\cdot$  For connecting 2 devices with high power consumption
- · (e.g. washing machines and driers)
- $\cdot\,$  1.5 m connector cable with plug
- $\cdot$  1 socket outlet with automatic cut-out, power dependent
- · 1 socket outlet for continuous power
- · Dimensions: 75 x 45 x 270 mm
- · Screw-on
- · Weight 450 g





# **POWERCUBE**

Powercubes look good on any desk and combine modern design with practical versatility. They combine a range of functions in a compact, handy and space-saving form.



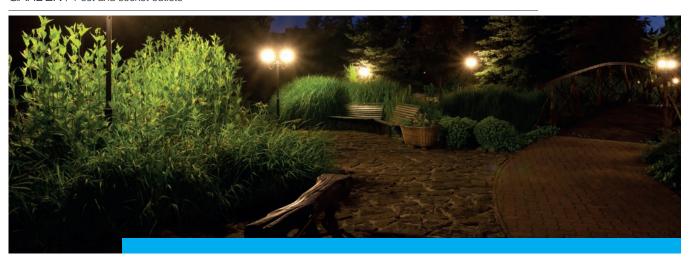


Art. no.	Version	Unit
Powercube		
Powercube,	3 x socket outlet with earthing contact 10 A / 230 V	
335.050	Resettable 10 A fuse     Headphone and microphone jacks     Overvoltage protection indicator, earthing indicator     X3 multi-stage metal oxide varistor     High-frequency capacitor for noise reduction     Safety switch-off system     Shuttered	1 item
Powercube F	Protection, 3 x socket outlet with earthing contact 10 A / 230 V	
335.051	Additional features of Powercube Protection:  Telephone, fax, modem and network protection  USB 2.0 charging device with 2 ports	1 item

The benefits at a glance

- $\cdot$  Supply cable: 2.0m H05VV-F 3G 1.00 mm², black, with right angle plug with earthing contact
- · Dimensions (L x W x H): 105 x 120 x 95mm
- · Two fixed sockets and one socket moveable through 90°, with overvoltage protection

  Overvoltage protection and earthing indicators: The green LED indicates that the power network is securely earthed. The red LED indicates that the voltage protection unit is functioning correctly.
- $\cdot$  X3 multi-stage metal-oxide varistor absorbs power pulses and thus offers protection against high-energy voltage peaks



# Garden socket outlets

# Practical options for the garden

#### Garden posts Art. no. Version 160 x 160 x 280 mm Garden post, 4 x earthing contact 1 x splash water protection 394.170 · 4 x IP44 socket outlet with earthing contact for outdoor use Garden socket outlet with earth spike, 16A/230V~, IP44 Unit Art. no. Version Garden socket outlet, black 2.0 m cable: H07RN-F 3G 1.50 mm<sup>2</sup> with central plug with earthing contact 1 item · 2 x socket outlet with earthing contact 230 V~ · With hinged lid, splash water protected to IP44 2.0 m cable: H07RN-F 3G 1.50 mm<sup>2</sup> with central plug with earthing contact 394.182 · 4 x socket outlet with earthing contact 230 V~ 1 item · With hinged lid, splash water protected to IP44 Garden socket outlet, 3 x socket outlet with earthing contact, green 2.0 m cable: H07RN-F 3G 1.50 mm<sup>2</sup> with central plug with earthing contact 394.175 · 3 x socket outlet with earthing contact 230 V~ 1 item



#### Outdoor socket outlet

Art. no. Version

# Lockable outdoor socket outlet

Series 9015 230 V, 16 A, IP44, only for mounting on wall, LWH 185 x 85 x 80 mm  $\,$ 

· With hinged lid, splash water protected to IP44

924.349 1

924.3491

1 x socket outlet with earthing contact, supplied without lock and plug

1 x socket outlet with earthing contact, suitable for angle plug, supplied without lock and plug



#### The benefits at a glance

- · Can be closed with central plug plugged in
- · Prevents power from being stolen
- · Clear polycarbonate cover with seal with foam surround protects against splash and rain.

Art. no.

# Cooker connecting cable with end sleeves PVC, 70°C

· End 1: 50 mm stripped with end sleeves

Length Colour

 $\cdot$  End 2: 110 mm stripped with end sleeves, 140 mm green/yellow protective conductor

H05VV-F 5G	1.50 mm²		Diameter approx. 9,5 mm
Without pack	aging		
116.270	1.5 m	· White	50 items
116.271	2.0 m	· White	50 items
116.272	3.0 m	· White	30 items
Individually pa	acked		
116.280	1.5 m	· White	50 items



H05VV-F 3G 2.50 mm <sup>2</sup>		Diameter approx.10.1 mm
Without packaging		
118.270 1.5 m	· White	50 items
'		'
H05VV-F 5G 2.50 mm <sup>2</sup>		Diameter approx. 11,3 mm
\A/ithout pookoging		

Unit

H05VV-F 50	2.50 mm <sup>2</sup>	Diameter approx. 11,3 mm	
Without pack	kaging		
119.270	1.5 m	· White	50 items
119.271	2.0 m	· White	30 items
119.272	3.0 m	· White	20 items
Individually p	acked		
119.280	1.5 m	· White	50 items
119.281	2.0 m	· White	30 items

# Cooker connecting cable with fork-type lugs PVC, 70°C

- · End 1: 50 mm stripped with end sleeves
- · End 2: 110 mm stripped with end sleeves, 140 mm green/yellow protective conductor



Art. no.	Length	Colour	Unit
H05VV-F 5G 2.50 mm²			Diameter approx. 11.3 mm
Without pack			
119.274	2.0 m	· White	30 items

#### Cooker connection socket 16A/380V~

- · Duroplast version for surface or flush mounting
- · Quick and easy to connect thanks to spacious terminal area
- · Clamping range: 0.75-2.5 mm² for 55 mm wall socket

Art. no.	Colour	Unit		
Cooker connection socket				
16A/380V~				
· For 55 mm v	vall boxes / height 23 mm			
190.270	· White	20 items		



# Device connection socket 16A/380V~

- $\cdot$  Thermoplastic version for concealed wiring mounting
- · Easy to fit with removable terminal block and snap-lock cover
- · With screw terminal 5 x 2.50 mm² and strain relief
- $\cdot$  For 55 mm wall socket/height 14 mm

#### Kitchen connection box

- · No need to fit additional sockets
- $\cdot$  The existing cooker socket can still be used
- · Saves costs as no need to fit sockets later
- · Rewirable WAGO® terminals
- · Low built-in depth (approx.34 mm)
- · Also utilizable for induction cooker

Art. no. Version

Kitchen cor	nection box				
Grey, with so	Grey, with screw-mounting eyes, connected load up to 10 kW				
H05VV-F 5G	2.50 mm² for cooker socket				
H05VV-F 4G	2.50 mm <sup>2</sup> for hob				
H05VV-F 3G	1.50 mm <sup>2</sup> with socket outlet with earthing contact for oven				
923.000	· 2 m kitchen connection box				
	· Cooker connection socket 2 m; hob 2 m and oven 2 m				
923.001	· 5 m kitchen connection box				
	· Cooker connection socket 2 m; hob 5 m and oven 5 m				
923.0011	· 5 m kitchen connection box PLUS				
	· Cooker connection socket 5 m; hob 5 m and oven 5 m				
923.002	· 10 m kitchen connection box				
	· Cooker connection socket 2 m; hob 10 m and oven 10 m				



# Euro supply cable PVC, 70°C

- · End 1: 2.5A Euro plug, moulded
- · End 2: 25 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H03VVH2-F 2 x 0.75 mm <sup>2</sup>		j <sup>2</sup>	lat cable approx. 3.6 x 5.6 mm
Without pack	Without packaging		
202.174	2.0 m	· Black	100 items
202.274	2.0 m	· White	100 items
202.175	3.0 m	· Black	100 items
202.275	3.0 m	· White	100 items
Individually p	acked		
202.184	2.0 m	· Black	50 items
202.284	2.0 m	· White	50 items
202.185	3.0 m	· Black	50 items
202.285	3.0 m	· White	50 items



# Euro supply cable with intermediate switch, PVC, $70\,^{\circ}\text{C}$

- · End 1: 2.5 A Euro plug, moulded
- · End 2: 25 mm stripped with end sleeves, 1-pole intermediate switch installed approx. 50 cm from side 2

Art. no.	Length	Colour	Unit
H03VVH2-F	2 x 0.75 mm	1 <sup>2</sup>	Flat cable approx. 3.6 x 5.6 mm
Without pack	kaging		
211.174	1.8 m	· Black	100 items
211.274	1.8 m	· White	100 items



# Earthing contact supply cable, PVC, with intermediate switch, 70°C

- · Sealed
- · Switch dimensions: 60 x 26 x 13 mm
- $\cdot$  End 1: Right-angled earthing contact with dual earthing contact system, moulded
- $\cdot$  End 2: 30 mm stripped with end sleeves, 1-pole intermediate switch fitted after approx. 50 cm



Art. no.	Length	Colour	Unit		
H03VV-F 3G	H03VV-F 3G 0.75 mm <sup>2</sup> Diameter approx. 5.5 mm				
Without pack	kaging				
302.174	2.0 m	· Black	100 items		
302.274	2.0 m	· White	100 items		

# Vacuum cleaner replacement cable, PVC, 70°C

- · End 1: Contour plug, moulded
- · End 2: 30 mm stripped with end sleeves



Art. no.	Length	Colour	Unit
H05VV-F 2 x	0.75 mm <sup>2</sup>		Diameter approx. 6.4 mm
Individually pa	acked		
240.187	6.3 m	· Black	20 items
240.189	10.0 m	· Black	20 items

# Contour supply cable, PVC, 70°C

· End 1: Contour plug, moulded

Length

Art. no.

· End 2: 30 mm stripped with end sleeves

Colour



H05VV-F 2 x 1.00 mm <sup>2</sup>			Diameter approx. 6.5 mm
Without pack	kaging		
241.175	3.0 m	· Black	50 items
241.275	3.0 m	· White	50 items

Unit

305.185

305.285

3.0 m

3.0 m

· Black

· White

# Earthing contact supply cable, PVC, max. 16A/250V~, 70°C



20 items

20 items

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- $\cdot$  End 2: 30 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H03VV-F 3G 0.75 mm <sup>2</sup> Diameter approx. 5.			
Without pack	kaging		
301.174	2.0 m	· Black	100 items
301.274	2.0 m	· White	100 items
301.974	2.0 m	· Grey	100 items
301.175	3.0 m	· Black	100 items
301.275	3.0 m	· White	100 items
H05VV-F 30			Diameter approx. 7.0 mm
Without pack	1		
304.174	2.0 m	· Black	100 items
304.274	2.0 m	· White	100 items
304.974	2.0 m	· Grey	100 items
304.175	3.0 m	· Black	50 items
304.275	3.0 m	· White	50 items
304.176	5.0 m	· Black	30 items
304.276	5.0 m	· White	30 items
Individually p	acked		
304.184	2.0 m	· Black	50 items
304.284	2.0 m	· White	50 items
304.185	3.0 m	· Black	50 items
304.285	3.0 m	· White	50 items
H05VV-F 30	1.50 mm <sup>2</sup>		Diameter approx. 8.0 mm
Without pack	kaging	_	
305.174	2.0 m	· Black	50 items
305.274	2.0 m	· White	50 items
305.974	2.0 m	· Grey	50 items
305.175	3.0 m	· Black	50 items
305.275	3.0 m	· White	50 items
305.975	3.0 m	· Grey	50 items
305.176	5.0 m	· Black	30 items
305.276	5.0 m	· White	30 items
Individually p	acked		
305.184	2.0 m	· Black	50 items
305.284	2.0 m	· White	50 items

# Earthing contact supply cable, PVC, max. 16A/250V~, 70°C

- · End 1: Central plug with dual earthing contact system, moulded
- · End 2: 30 mm stripped with end sleeves



Art. no.	Length	Colour	Unit
H03VV-F 3G	0.75 mm²	Diameter approx. 5.5 mm	
Without pack	kaging		
311.273	1.5 m	· White	100 items
H03VV-F 3G	0.75 mm <sup>2</sup>		Diameter approx. 5.5 mm
H03VV-F 3G			Diameter approx. 5.5 mm Diameter approx. 6.0 mm
		· Black	
Individually pa	acked	· Black	Diameter approx. 6.0 mm

# Electric iron supply cable, textile, 150°C

- $\cdot$  End 1: Central plug with dual earthing contact system, moulded
- $\cdot$  End 2: 30 mm stripped with end sleeves



Art. no.	Length	Colour	Unit		
H03RT-H 3G	i 1.0 mm² – 1	TEXTILE TO THE STATE OF THE STA	Diameter approx. 6.5 mm		
Individually pa	Individually packed				
313.176	3.0 m	· Grey / white	1 item		

# Small equipment supply cable, PVC, max. 2.5 A/250 V~



- · End 1: Euro flat plug, moulded
- $\cdot$  End 2: Small equipment socket, moulded

Art. no.	Length	Colour	Unit
H03VVH2-F	2 x 0.75 mm	2	Flat cable approx. 3.6 x 5.6 mm
Without pack			
251.173	1.5 m	· Black	200 items
Individually pa	acked		
251.183	1.5 m	· Black	50 items

# Non-heating appliance supply cable, PVC, 10A/250V~, 70°C

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: Non-heating appliance socket, IEC 320/C13, moulded

Art. no.	Length	Colour	Unit		
H05VV-F 3G	0.75 mm²		Diameter approx. 5.8 mm		
Without pack	kaging				
351.174	2.0 m	· Black	100 items		
351.974	2.0 m	· Grey	100 items		
Individually p	Individually packed				
351.184	2.0 m	· Black	50 items		
351.984	2.0 m	· Grey	50 items		



H05VV-F 3G 1.00 mm <sup>2</sup>			Diameter approx. 7.0 mm	
Without packaging				
353.175	3.0 m	· Black	50 items	
353.975	3.0 m	· Grey	50 items	
Individually pa	Individually packed			
353.185	3.0 m	· Black	50 items	
353.985	3.0 m	· Grey	50 items	

# Non-heating appliance supply cable, PVC, 16A/250V~, 70°C

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: C19 non-heating appliance socket (915.174)

Art. no.	Length	Colour	Unit
H05VV-F 3G	1.50 mm <sup>2</sup>	Diameter approx. 8.4 mm	
Without pack	kaging		
352.174	2.0 m	· Black	50 items
352.175	3.0 m	· Black	50 items



# Non-heating appliance supply cable, PVC, 10 A/250 V~, 70 °C

- $\cdot$  End 1: IEC 320/C14 non-heating appliance plug with earthing contact, moulded
- $\cdot$  End 2: IEC 320 / C13 non-heating appliance socket with earthing contact, moulded Ideal connector between PC and monitor or as an extension cable

Art. no.	Length	Colour	Unit
H05VV-F 3G	0.75 mm <sup>2</sup>		Diameter approx. 5.8 mm
Without pack	aging		
356.974	2.0 m	· Grey	100 items
H05VV-F 3G	1.00 mm <sup>2</sup>		Diameter approx. 7.0 mm
Without pack	aging		
356.975	3.0 m	· Grey	50 items



# Non-heating appliance extension cable, PVC, 16A/250V~, 70°C

- · End 1: C20 non-heating appliance plug (915.175)
- · End 2: C19 non-heating appliance socket (915.174)



Art. no.	Length	Colour	Unit
H05VV-F 3G	1.50 mm²	Diameter approx. 8.4 mm	
Without packaging			
356.174	2.0 m	· Black	50 items
356.175	3.0 m	· Black	50 items

# Heating appliance supply cable, PVC, 10A/250V~ (for export only)

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: Heating appliance socket 10A, IEC 320/C15, fitted



Art. no.	Length	Colour	Unit	
H05VV-F 30	G 1.00 mm²		Diameter approx. 7.0 mm	
Without packaging				
361.174	2.0 m	· Black	50 items	
Individually packed				
361.184	2.0 m	· Black	50 items	

# Heating appliance supply cable, rubber, 10A/250V~, 155°C

- $\cdot$  End 1: Central plug with dual earthing contact system, moulded
- · End 2: Heating appliance outlet 10A, mounted



Art. no.	Length	Colour	Unit
H05RR-F3	3G 1.00 mm²	:	Diameter approx. 6.5 mm
Without pad			
372.174	2.0 m	· Black	50 items
Individually packed			
372.184	2.0 m	· Black	20 items

# Universal supply cable, PVC, 10A/250V~ (for export only)



- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: Heating appliance outlet 10A, mounted



Art. no.	Length	Colour	Unit
H05VV-F 30	G 1.00 mm <sup>2</sup>	Diameter approx. 7.0 mm	
Without pac			
373.174	2.0 m	· Black	50 items

# Contour supply cable, neoprene, 16A/250V~, 70°C

- · End 1: Contour plug, moulded
- · End 2: 30 mm stripped with end sleeves
- $\cdot$  Ideal connecting cable for power tools

Art. no.	Length	Colour	Unit
H07RN-F 2	x 1.00 mm²	Diameter approx. 7.7 mm	
Without pack	kaging		
246.174	2.0 m	· Black	50 items
246.175	3.0 m	· Black	50 items
246.375	3.0 m	· Red	50 items
246.176	5.0 m	· Black	20 items
246.376	5.0 m	· Red	20 items
Individually p	acked		
246.185	3.0 m	· Black	20 items
246.186	5.0 m	· Black	20 items



H07RN-F 2	x 1.50 mm²	Diameter approx. 8.7 mm	
Without pack	kaging		
248.174	2.0 m	· Black	50 items
248.175	3.0 m	· Black	50 items
248.176	5.0 m	· Black	20 items
Individually p	acked		
248.185	3.0 m	· Black	20 items
248.186	5.0 m	· Black	20 items



# Contour supply cable, rubber/PUR, 16A/250V~, 70°C

- · End 1: Contour plug, moulded
- · End 2: 30 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H05BQ-F 2	x 1.00 mm²	Diameter approx. 6.8 mm	
Without pack	aging		
244.875	3.0 m	· Orange	50 items
244.876	5.0 m	· Orange	30 items





- Earthing contact supply cable, neoprene, max. 16A/250V~
  - · End 1: Central plug with dual earthing contact system, moulded Plug is splash water protected.
  - · End 2: 30 mm stripped with end sleeves



Art. no.	Length	Colour	Unit	
H05RR-F 3	G 0.75 mm²	Diameter approx. 6.7 mm		
Without packaging				
321.174	2.0 m	· Black	50 items	
321.175	3.0 m	· Black	50 items	
321.176	5.0 m	· Black	20 items	

H07RN-F 30	G 1.00 mm <sup>2</sup>	Diameter approx. 8.9 mm				
Without packaging						
320.174	2.0 m	· Black	50 items			
320.175	3.0 m	· Black	50 items			
320.176	5.0 m	· Black	20 items			
Individually packed						
320.185	3.0 m	· Black	20 items			
320.186	5.0 m	· Black	20 items			

H07RN-F 30	G 1.50 mm <sup>2</sup>	Diameter approx. 9.5 mm				
Without packaging						
322.174	2.0 m	· Black	50 items			
322.175	3.0 m	· Black	30 items			
322.176	5.0 m	· Black	20 items			
Individually packed						
322.184	2.0 m	· Black	20 items			
322.185	3.0 m	· Black	20 items			
322.186	5.0 m	· Black	20 items			

H07RN-F 30	G 2.50 mm <sup>2</sup>	Diameter approx. 11.3 mm	
Individually p	acked		
323.185	3.0 m	· Black	10 items
323.186	5.0 m	· Black	10 items

# Earthing contact supply cable, rubber / PUR, max. 16A/250V~

- · End 1: Central plug with dual earthing contact system, moulded Plug is splash water protected.
- · End 2: 30 mm stripped with end sleeves



Art. no.	Length	Colour	Unit
H05BQ-F 30	G 1.00 mm <sup>2</sup>		Diameter approx. 7.9 mm
Without pack	kaging		
328.875	3.0 m	· Orange	50 items
328.876	5.0 m	· Orange	30 items

H07BQ-F 3G 1.50 mm <sup>2</sup>			Diameter approx. 8.6 mm
Without pack	aging		
327.875	3.0 m	· Orange	30 items
327.876	5.0 m	· Orange	20 items

#### Note

- · For contour and earthing-contact supply cable
- · Contour supply cable: 244.875/244.876/249.875/249.876
- Earthing-contact supply cable: 328.875/328.876/327.875/327.876
- · Contour supply cable: 244.875/244.876/249.875/249.876

# Cable construction

- · Copper conductors, fine stranded, tin-plated
- · Lead insulation made from ethylene-propylene rubber
- · Sheath made from polyurethane, blend type 11Ym1 in accordance with VDE 0250 Part 818/585

# Examples of use

- · Outdoors and in dry, damp and wet indoor spaces
- $\cdot$  For mechanically demanding applications on construction sites, in workshops, in mechanical and plant engineering and in the chemicals industry
- · Wherever requirements for abrasion resistance, impact resistance and oil resistance are high
- · Particularly suitable as a supply cable for hand-held power tools

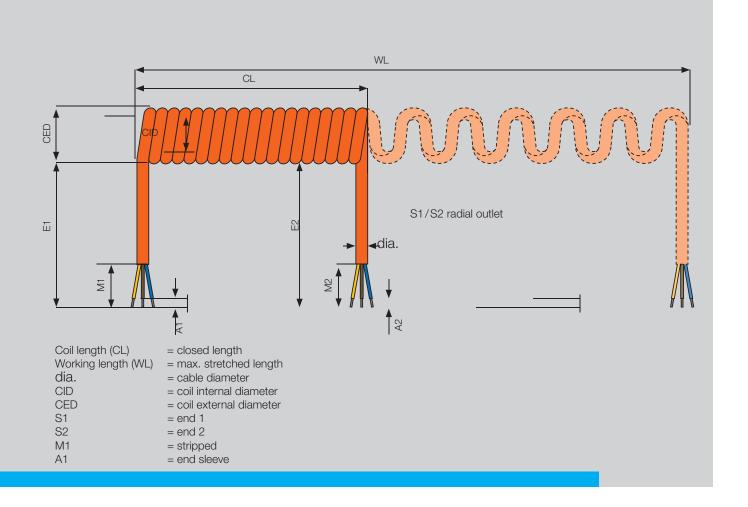
We can implement specially engineered products according to your specification or following a free consultation by our specialists. As a manufacturer of many years standing we have considerable specialist competence. See also page 318 (international plugs and couplings).

#### Transparent power cable

- $\cdot$  Leads FEP T 180 °C/sheath PVC T 105 °C 450/750 V, earth conductor threads green/yellow
- · End 1: 40 mm stripped with end sleeves
- · End 2: 40 mm stripped with end sleeves

Art. no.	Length	Colour	Unit	
Double insu	ılated cable 3 x	c 0.75 mm²		
130.080	1.5 m	· Transparent	1 item	
130.081	3.0 m	· Transparent	1 item	1
	ılated cable 3 x			
131.080	1.5 m	· Transparent	1 item	
131.081	3.0 m	· Transparent	1 item	
	lated cable 3 x		Diameter 5.2 mm ± 0.2 mm	
150.072	50.0 m ring	· Transparent	1 item	
B 11 1		4.50		
	lated cable 3 x			
150.070	50.0 m ring	· Transparent	1 item	
Double incu	ılated cable 5 x	( 0.75 mm²		
132.080	1.5 m	· Transparent	1 item	
132.081	3.0 m	Transparent	1 item	
102.001	0.0111	папораготи	1 10111	
Double insu	lated cable 5 >	( 1.50 mm²		
133.080	1.5 m	· Transparent	1 item	
133.081	3.0 m	Transparent	1 item	
	•	'		
Double insu	ılated cable 5 x	c 1.50 mm²		
151.070	50.0 m ring	· Transparent	1 item	
Double insu	lated cable 5 x	c 0.75 mm²		
151.072	50.0 m ring	· Transparent	1 item	





# Spiral cable

# Wide range of stock items plus custom manufacturing

As a leading manufacturer of spiral cables we have extensive competence and count leading global companies among our customers. Specifically developed - from the helicopter communication helix to the robot coil in technically difficult environments - we will find the solution for you.

# Properties Examples of use

#### Leads PVC / sheath PVC

- $\cdot$  Good value, low mechanical stiffness, medium chemical resistance, medium restoring force
- $\cdot$  For household equipment, lamps and IT systems

#### Properties

#### Leads PVC / sheath PUR

· Good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good oil resistance, good restoring force

· For connecting cables in engineering and the building industry (construction equipment)

# Properties

**Examples of use** 

### Leads rubber PUR / sheath PUR

· Good wear resistance, good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good oil resistance, good reset force

#### **Examples of use**

For machines and systems that require VDE-compliant connections:
 for example, mechanical engineering, construction equipment, electric tools, communication
 technology - particularly suitable for use out of doors or in damp environments

#### PVC spiral cable

Leads: PVC, sheath: PVC, elongation factor 1:4, 70°C

- · End 1/end 2: 200 mm each, cut flush
- $\cdot$  Properties: good value, low mechanical resistance, medium chemical resistance, medium reset force
- · Examples of use: lamps, IT systems and mobile devices/equipment

Art. no.	Coil length	Working length	Version	Unit
Spiral cable				
YMHY-J 3G	1.50 mm², diamet	er approx. 8.4 mn	n, CID: approx. 10 mm, CED: approx. 2	7 mm
654.180	500 mm	2000 mm	· Black	50 items
654.280	500 mm	2000 mm	· White	50 items
654.181	1000 mm	4000 mm	· Black	30 items
654.281	1000 mm	4000 mm	· White	30 items
654.182	1500 mm	6000 mm	· Black	15 items
654.282	1500 mm	6000 mm	· White	15 items
	•	•	•	

# Spiral cable PUR

Leads: PVC, sheath: PVC, elongation factor 1:4, 70°C

- · End 1/end 2: 200 mm each, cut flush
- $\cdot$  Properties: good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good reset force
- · Examples of use: connecting cables for engineering, the construction industry or robotics

Art. no.	Coil length	Working length	Version	Unit
Spiral cable	, PUR			
YMH11Y-J 30	G 1.50 mm², diam	eter approx. 8.0 r	mm, CID: approx. 13 mm, CED: approx.	29 mm
692.180	500 mm	2500 mm	· Black	30 items
692.280	500 mm	2500 mm	· White	30 items
692.181	1000 mm	5000 mm	· Black	20 items
692.281	1000 mm	5000 mm	· White	20 items
692.182	1500 mm	7500 mm	· Black	15 items
692.282	1500 mm	7500 mm	· White	15 items





#### Spiral cable PUR

Leads: PVC, sheath: PUR, elongation factor 1:5, 70°C

Art. no.	Coil length	Working length	Version	Unit
Spiral cable	, PUR			
YMH11Y-J 5	x 1.50 mm <sup>2</sup> , diamete	er approx. 10.0 mm,	CID: approx. 18 mm, CED: approx	x. 39 mm
693.180	500 mm	2500 mm	· Black	20 items
693.280	500 mm	2500 mm	· White	20 items
693.181	1000 mm	5000 mm	· Black	10 items
693.281	1000 mm	5000 mm	· White	10 items
693.182	1500 mm	7500 mm	· Black	5 items
693.282	1500 mm	7500 mm	· White	5 items

#### Spiral cable PUR

Art. no.

683.882

1500 mm

Leads: rubber, sheath: PUR, elongation factor 1:5, 70°C

Unit

5 items

· End 1/end 2: 200 mm each, cut flush

Coil length

· Properties: good chemical resistance, good resistance to cold, microbe-proof, excellent abrasion and notching resistance, microbe-proof, high scouring/grinding stresses, very good reset force

Version

· Orange

- · Examples of use: machines and systems requiring VDE-compatible connection: e.g. in engineering, power tools, construction equipment and communications systems
- · Particularly suitable for use out of doors or in damp environments; UV resistant

Working length

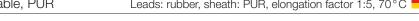


7500 mm



### Contour supply cable, PUR

Leads: rubber, sheath: PUR, elongation factor 1:5, 70°C



- · End 1: moulded contour plug
- · End 2: Length 100 mm incl. 30 mm stripped, with end sleeves

Art. no.	Coil length	Working length	Version	Unit
Contour su	oply cable, PUR			
H05BQ-F 2 >	H05BQ-F 2 x 1.00 mm <sup>2</sup> , diameter approx. 7 mm, CID: approx. 9 mm, CED: approx. 23 mm			
624.871	1000 mm	5000 mm	· Orange	50 items



Spiral cable with earthing contact plug, PVC

Leads: PVC, sheath: PVC, elongation factor

1:4, 70°C

- · End 1: Right angle plug, type 30F with dual earthing contact system, moulded
- $\cdot$  End 2: Length 100 mm incl. 30 mm stripped, with end sleeves

Art. no.	Coil length	Working length	Version	Unit
Spiral cable	with earthing co	ontact plug, PV0		
YMHY-J 3G 1	.50 mm², diamete	er approx. 8.4 mr	n, CID: approx. 10 mm, CED: approx. 27	<sup>7</sup> mm
663.170	500 mm	2000 mm	· Black	50 items
663.270	500 mm	2000 mm	· White	50 items
663.171	1000 mm	4000 mm	· Black	30 items
663.271	1000 mm	4000 mm	· White	30 items



#### Earthing contact spiral supply cable PUR Leads: rubber, sheath: PUR, elongation factor 1:5, 70°C

- · End 1: Length 100 mm straight, central plug with dual earthing contact system, moulded
- $\cdot$  End 2: Length 200 mm incl. 30 mm stripped, with end sleeves

Art. no.	Coil length	Working length	Version	Unit	
Earthing co	ntact spiral supp	oly cable PUR			
H07BQ-F 3G	H07BQ-F 3G 1.50 mm <sup>2</sup> , diameter approx. 9.5 mm, CID: approx. 13 mm, CED: approx. 32 mm				
665.870	500 mm	2500 mm	· Orange	10 items	
665.871	1000 mm	5000 mm	· Orange	10 items	



#### Lamp spiral cable

Ends: 140 mm each, incl. 80 mm stripped, with end sleeves

Art. no.	Coil length	Working length	Version	Unit
Lamp spiral	cable (prepared	)		
YMHY-J 3G 1	1.50 mm², diamete	er approx. 8.4 mr	n, CID: approx. 10 mm, CED: approx. 27	<sup>7</sup> mm
· Leads: PV0	C, sheath: PVC, e	elongation facto	r 1:4, 70°C	
654.283	400 mm	1600 mm	· White	50 items
654.284	800 mm	3200 mm	· White	25 items
YMH11Y-J5	x 1.50 mm², diam	eter approx. 10 r	nm, CID: approx. 13 mm, CED: approx.	34 mm
· Leads: PV0	C, sheath: PUR,	elongation facto	or 1:5, 70°C	
693.283	400 mm	2000 mm	· White	20 items



# Earthing contact extension cable, 16A/250V~, PVC, 70°C

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: Earthing contact coupling, moulded, with extra shuttering in coupling

Forthing contact extension	cable: H05\// E 2C 1 50 mm <sup>2</sup>	
Art. no. Version		Unit



Earthing contact extension, cable: H05VV-F 3G 1.50 mm²	
Length: 2 m	
341.200S · White	50 items
Length: 3 m	
341.201S · White	50 items
Length: 5 m	
341.202S · White	30 items
Length: 10 m	
341.203S · White	20 items

# Spiral earthed contact extension cable, PVC, elongation factor 1:4, 70°C

- $\cdot$  End 1: Central plug with dual earthing contact system, moulded
- · End 2: Earthing contact coupling, moulded



Art. no.	Coil length	Working length	Version	Unit
Spiral earth	ed contact exter	nsion cable, PVC		
YMHY-J 3G	1.50 mm², diamete	er approx. 8.4 mm,	CID: approx. 10 mm, CED: approx. 27	7 mm
672.180	500 mm	2000 mm	· Black	20 items
672.280	500 mm	2000 mm	· White	20 items
672.181	1000 mm	4000 mm	· Black	20 items
672.281	1000 mm	4000 mm	· White	20 items

# Earthing contact extension cable, 16A/250V~, IP20, PVC, 70°C

- · End 1: Central plug with dual earthing contact system, moulded
- $\cdot$  End 2: Earthing contact coupling, moulded, with cover



Art. no.	Version	Unit
Earthing co	ntact extension, cable: H05VV-F3G 1.50 mm², safety colour orange	
Length: 10 m		
341.879	· Orange	1 item
Length: 25 m		
341.870	· Orange	1 item

# Euro extension cable, 2.5 A/250 V~, PVC, 70 °C

- · End 1: Euro plug, fitted, type 20
- · End 2: Euro coupling, fitted, type 23
- · Cable: H03VVH2-F2 0.75 mm², flat cable

Art. no. Version	Unit
Euro extension cable	
Length: 2.0 m	
233.184 · Black	20 items
233.284 · White	20 items
Length: 3.0 m	
233.185 · Black	20 items
233.285 · White	20 items
Length: 5.0 m	
233.186 · Black	20 items
233.286 · White	20 items



# Earthing contact extension cable, 16A/250V~, PVC, 70°C

- $\cdot$  End 1: Right angle plug with dual earthing contact system, moulded
- · End 2: Earthing contact coupling, moulded

Art. no.	Version	Unit
Earthing co	ontact extension, cable: H05VV-F 3G 1.50 mm²	
Length: 2.0	m	
341.184	· Black	50 items
341.284	· White	50 items
Length: 3.0	m	
341.185	· Black	50 items
341.285	· White	50 items
Length: 4.0	m	
341.287	· White	50 items
Length: 5.0	m	
341.186	· Black	50 items
341.286	· White	50 items
Length: 7.5	m	
341.288	· White	20 items
Length: 10 r	n	
341.189	· Black	15 items
341.289	· White	15 items
Length: 15 r	m	
341.281	· White	10 items



- Lawnmower extension cable, 16A/250V~, IP55, rubber/neoprene, 70°C
  - · End 1: Central plug with earthing contact
  - · End 2: Earthing contact coupling with cover



Art. no. Version	Unit
Lawnmower extension, cable: H07RN-F3G 1.50 mm <sup>2</sup>	
15 m	
343.373 · Red	1 item
25 m	
343.370 · Red	1 item
35 m	
343.372 · Red	1 item
50 m	
343.371 · Red	1 item

#### Cable safe box, IP44

- $\cdot$  Offers the best protection for plugged joints of power cables
- · Ideal for permanent use out of doors and on building sites because it is watertight and shuttered
- · Protects the plug connections of your Christmas and party illuminations
- · Practical applications in camping and for use with electric lawnmowers



Art. no.	Version	Unit
Cable safe b	ох, IP44	

#### 919.371 · Max. cable diameter 9 mm

· Orange

1 item · Internal dimensions 180 mm long, diameter 60 mm

# Cable safe box, IP64

Offers outstanding protection for power strips, extension cables and adapters

- $\cdot$  6 cable entries with individual strain relief
- · Lockable and can be mounted at rear; very robust construction
- $\cdot$  For permanent use in the garden and on construction sites
- · Ideal for Christmas lights, garden devices and camping uses



Unit Art. no. Version

#### Cable safe box, IP64

904.100

- · Designed for cable diameters of H05VV F3G 1.5 mm2
- · to H07RN-F3G1.5 mm<sup>2</sup>
- · Light grey
- · UV-resistant
- · Suitable for e.g. entire Smart Line 3 x range
- · Usable surface: 85 mm deep, 275 mm wide



# Cable box set, IP44

#### For connecting cables

- · 230 V AC, 16 A, IP44, cable types up to H07RN-F 3G 2.5
- Colour: Black, set in plastic bag: 1 x cable box, 2 x cable grommet, 1 x stopper

1 item

# Earthing contact extension cable, 16A/250V~, rubber, 70°C

- · End 1: Central plug with earthing contact
- $\cdot$  End 2: Earthing contact coupling with cover

Art. no.	Version	Unit
Earthing of	contact extension, cable: H05RR-F3G 1.50 mm²	
Length: 10	) m	





# Earthing contact extension cable, 16A/250V~, IP44, rubber / neoprene, 70°C

- $\cdot$  End 1: Central plug with earthing contact
- · End 2: Earthing contact coupling with cover
- $\cdot$  Heavy duty version for outdoor use and on construction sites

Art. no. Version	Unit
Earthing contact extension, cable: H07RN-F3G 1.50 mm <sup>2</sup>	
Length: 5 m	
343.170 · Black	1 item
Length: 10 m	
343.171 · Black	1 item
Length: 25 m	
343.172 · Black	1 item
Length: 50 m	
343.173 · Black	1 item



Earthing contact extension, cable: H07RN-F3G 2.50 mm²		
Length: 10 m		
343.191 · Black	1 item	
Length: 25 m		
343.192 · Black	1 item	

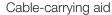
# Earthing contact extension cable, 16A/250V~, IP44, rubber / neoprene, 70°C

- · 3-way rubber overhead coupling and hinged lid (IP44)
- · End 1: Central plug with earthing contact
- $\cdot$  End 2: 3-way rubber overhead coupling with hinged lid and standardised snap latch

Art. no. Version	Unit
Earthing contact extension, cable: H07RN-F3G 1.50 mm <sup>2</sup>	
Length: 5 m	
343.174 · Black	1 item
Length: 10 m	
343.175 · Black	1 item
Length: 25 m	
343.176 · Black	1 item







- · Handle facilitates transport of long cables or tubes
- · Adjustable and pliable

Art. no.	Version		Unit
----------	---------	--	------

	· ·	1	
Cable-carrying aid			
394.179	· Orange	1 item	

# CEE extension cable, 16A/400V~, rubber / neoprene, IP44, 70°C

- $\cdot$  End 1: CEE plug 16 A/6 h/400 V / End 2: CEE coupling 16 A/6h/400 V
- · Suitable for use out of doors and on construction sites

Art. no.	Version	Unit			
CEE extension cable, H07RN-F5G 1.5 mm <sup>2</sup>					
Length: 5 m					
344.170	· Black	1 item			
Length: 10 m	1				
344.171	· Black	1 item			
Length: 25 m	ı				
344.172	· Black	1 item			
CEE extens	ion cable, H07RN-F5G 1.5 mm², with phase inverter				
Length: 10 m	1				
344.174	· Black	1 item			
Length: 25 m	ו				
344.175	· Black	1 item			
CEE extension cable, H07RN-F5G 2.5 mm <sup>2</sup>					
Length: 5 m	1				
347.170	· Black	1 item			
Length: 10 m	ו				
347.171	· Black	1 item			
Length: 25 m	1				
347.172	· Black	1 item			

# CEE extension cable, 16A/400V~, rubber / neoprene, IP44, 70°C

- · End 1: CEE plug 16A/6h/400V / End 2: CEE coupling 16A/6h/400 V
- · Suitable for use out of doors and on construction sites
- $\cdot$  4.0 mm² extension for the use of up to 25  $^{\circ}$  C ambient temperature

CEE extension cable, H07RN-F5G 4.0 mm²
Length: 5 m
346.170 · Black
Length: 10 m
346.171 · Black
Length: 25 m
346.172 · Black

Art. no.

Version

346.172	· Black	1 item
CEE extensi	on cable, H07RN-F5G 6.0 mm²	
Length: 10 m		
348.171	· Black	1 item
Length: 25 m		
348.172	· Black	1 item

Unit

1 item

1 item



## Meistertrommel cable reel

The choice of the professional is the Bachmann Meistertrommel. The Meistertrommel keeps you on the safe side - with the assurance of Bachmann's renowned quality. To document this, every Meistertrommel is individually tested and issued with a certificate of inspection.

#### Meistertrommel cable reel



Art. no. Version

#### Meistertrommel 4 x earthing contact (BGI608 compliant)

#### Empty reel

399.000 · 4 x socket outlet with earthing contact

#### $25~\mathrm{m}$ H07RN-F3G $1.5~\mathrm{mm}^2$ , black

399.003 · 4 x socket outlet with earthing contact with central earthing contact plug

#### Meistertrommel 4 x earthing contact (BGI608 compliant)

#### 40 m H07RN-F3G 1.5 mm<sup>2</sup>, black

399.004 · 4 x socket outlet with earthing contact with central earthing contact plug

#### 50 m H07RN-F3G 1.5 mm<sup>2</sup>, black

399.005 · 4 x socket outlet with earthing contact with central earthing contact plug

#### 40 m H07RN-F3G 2.5 mm<sup>2</sup>, black

399.006 · 4 x socket outlet with earthing contact with central earthing contact plug

#### Meistertrommel 3 x earthing contact, 1x CEE

#### Empty reel

399.007 · 3 x socket outlet with earthing contact

· 1 x CEE socket outlet 16A

#### 25 m H07RN-F5G 2.5 mm², black

399.009 · 3 x socket outlet with earthing contact

 $\cdot$  1 x CEE socket outlet 16 A with CEE plug 16 A

#### Meistertrommel construction site cable Austria

#### 40 m XYMM-J3G 1.5 mm², yellow

399.012 · 4 x socket outlet with earthing contact with central earthing contact plug

#### Meistertrommel other

399.010\* • Empty reel with closed plate for configuration by user

The benefits at a glance

- · Resistant to fuel and oil substances. Good resistance to chemicals. Weatherproof, no rust, no corrosion!
- · Temperature stability range -15°C to +60°C
- · IP54













## Cable reel

Equipment supply reel with thermal cut-out

· Integrated cable winder and stop brake

Art. no. Version Unit

Empty reel, plastic, large, holds up to 50 m H05VV-F 3G 1.50 mm² cable

397.003 · Wheel diameter 290 mm · Reel: Black

Cable reel, 4-way, 16A/250V~, IP20

- $\cdot$  4 socket outlets with earthing contact 250 V  $\scriptstyle\sim$  without lid
- · Integrated 1-pole thermal safety switch

Art. no. Version Unit



Diagtic cole	de week cable: USERR F.20 4 50 mm²	
25 m	ole reel, cable: H05RR-F 3G 1.50 mm²	
395.180	Central earthing contact plug     Cable: Black, reel: Black	1 item
50 m		<u> </u>
395.181	Central earthing contact plug     Cable: Black, reel: Black	1 item
Plastic emp	ty reel, large, holds up to 50 m H05RR-F 3G 1.50 mm <sup>2</sup> cable	
396.181	Wheel diameter 280 mm     Reel: Black	1 item

Sheet steel cable reel, cable: H05VV-F 3G 1.50 mm <sup>2</sup>			
	25 m		
	398.183	Central plug with dual earthing contact system     Cable: Black, reel: Silver	1 item



#### Cable reel, 4-way, $16A/250V \sim$ , IP20

- $\cdot$  4 socket outlets with earthing contact 250 V  $_{\sim}$  without lid
- $\cdot$  Integrated 1-pole thermal safety switch

Art. no. Version Unit

Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm²			
25 m			
398.181	Central earthing contact plug     Cable: Black, reel: Silver	1 item	
50 m			
398.182	Central earthing contact plug     Cable: Black, reel: Silver	1 item	



Sheet steel empty reel, large			
396.182	· Wheel diameter 290 mm	1 item	
	· Reel: Silver		

#### Cable reel, 3-way, 16A/250V~

- $\cdot$  3 socket outlets with earthing contact 250 V  $\scriptstyle\sim$  with hinged lid
- $\cdot$  Integrated 1-pole thermal safety switch
- · Splash-proof for outdoor use

Version

Art. no.

Plastic cable reel, cable: H07RN-F 3G 1.50 mm <sup>2</sup>				
25 m, IP44				
392.182	Central earthing contact plug     Cable: Black, reel: Black	1 item		
40 m, IP44				
392.183	· Central earthing contact plug	1 item		
	· Cable: Black, reel: Black			
Plastic empty	Plastic empty reel, cable up to max. 40 m			
396.183	· Wheel diameter 280 mm	1 item		
	· Reel: Black			

Unit



Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm²			
40 m, IP44 li	ron Coat series		
398.180	Central earthing contact plug     Cable: Black, reel: Silver	1 item	
Sheet steel e	empty reel, holds up to 40 m cable		
396.187	Wheel diameter 280 mm     Reel: Silver	1 item	





## Professional cable reel

#### Professional cable reel, 3-way, 16A/250V~

- $\cdot$  3 earthing contact socket outlets with hinged lid
- · Integrated 1-pole thermal safety switch
- · Dual tubular frame
- · Reel body made from unbreakable special plastic



Art. no.	Version	Unit		
Professional cable reel, cable: H07RN-F 3G 1.50 mm² (BGI608 compliant)				
25 m				
399.181	Central earthing contact plug     Cable: Black, reel: Black	1 item		
40 m				
399.182	Central earthing contact plug     Cable: Black, reel: Black	1 item		
Empty reel, h	nolds up to 40 m H05RN-F 3G 1.50 mm <sup>2</sup> cable			
396.184	Wheel diameter 280 mm     Reel body made from unbreakable plastic, black	1 item		

#### Professional cable reel, 3-way, 16A/400V~



- · 1 CEE socket outlet 16A/400 V
- $\cdot$  2 socket outlets with earthing contact 250 V  $_{\sim}$  with hinged lid
- · Built-in 3-pole thermal cut-out
- · Dual tubular frame

Profession	al cable reel, cable: H07RN-F 5G 1.50 mm² (BGI608 comp	oliant)
25 m		
399.180	· CEE plug 16A/400V~	1 item
	<ul><li>CEE plug 16A/400V~</li><li>Reel body made from unbreakable plastic</li></ul>	
	· Cable: Black, reel: Black	

1 item



### Professional cable reel, cable: H07RN-F 5G 2.50 mm² (BGI608 compliant)

40 m

399.186 · CEE plug 16A/400V~

· Reel body made from unbreakable hard rubber

· Cable: Black

The benefits at a glance

- · Splash water protection IP44
- $\cdot$  Integrated thermal cut-out
- · For outdoor use

#### Cable reel with portable RCD, 3-way

- · 3 earthing contact socket outlets with hinged lid and built-in 1-pole thermal cut-out
- · Dual tubular frame, reel body made from unbreakable hard rubber

Art. no. Version Unit

### PRCD cable reel, cable: H07BQ-F 3G 1.50 mm<sup>2</sup>

25 m

398.200

- · Earthing contact plug 16A/30mA
- · Cable: Orange, reel: Black



#### Professional cable reel, 4-way, 16A/250V~

- · 4 earthing contact socket outlets with hinged lid, with 1-pole thermal cut-out
- · Dual tubular frame, reel body made from unbreakable hard rubber

Art. no. Version Unit

#### Professional cable reel, cable: H07RN-F 3G 2.50 mm² (BGI608 compliant)

50 m

399.189 · Central earthing contact plug

· Cable: Black

1 item

1 item

Unit

1 item

#### Replacement parts for cable reels

Art. no. Version

Thermal cu	i-out	
1-pole (suital	ole for all cable reels, page 290 - 293)	
900.180	· Red	1 item

3-pole 900.181 · Red

Socket insert				
4-way, with the				
900.187	· Black	1 item		
3-way with co	3-way with cover with thermal protection			
910.105	· Cover: Red, plate: Black	1 item		

#### 2 x socket outlets with earthing contact, 1 x CEE socket outlet 16 A/400 V $\sim$

2-way with hinged lid, without thermal cut-out

910.106 · Cover: Red, plate: Black 1 item







## SELLY cable reels

#### Cable reels

Art. no. Version





#### Cable box, 4-way, 16A/250V~

- · 4 earthing contact socket outlets with built-in thermal cut-out, 1-pole
- · Right angle plug with dual earthing contact system, version with handle and winding crank

Art. no. Version Unit





#### Cable box, cable: H05VV-F 3G 1.50 mm<sup>2</sup>

20 m

393.006

- · Highly unbreakable construction
  - · Maximum load: 3500 W fully unwound, 1000 W fully wound
  - · Cable: Black, box: Black / blue

1 item



Cable reel, 4-way, 16A/250V~/IP44



Art. no. | Version | Unit

#### Cable reel with automatic spring rewind

15 m

392.187

· Cable H07RN-F 3G 1.5 with socket outlet with earthing contact

· 4-way power strip with hinged lid

- $\cdot$  230 V / 16 A / max. 3500 W unwound and 1000 W wound
- · VDE thermal cut-out
- · With plastic handle, plastic frame; colour: Blue

1 item

#### Solid rubber distributor, IP44

Version Unit Art. no.

#### Solid rubber distributor

#### 2.0 m supply cable H07RN-F5G 6.00 mm<sup>2</sup>

349.020

- 1 x CEE plug 32 A / 400 V ~ · Input: - 1 x CEE plug 32A/400V~ · Output:

- 2 x CEE plug 16A/400V~

- 3 x socket outlet with earthing contact 16A/250V~

1 item

1 item

1 item

1 item

1 item

· Protection: - 1 x MCB 16A/3-pole

- 3 x MCB 16A/1-pole

- 1 x RCD 40A/0.03A/4-pole on all outputs



349.185 · Input: - 1 x solid rubber socket outlet with earthing contact 16A/250V~

· Output: - 6 x socket outlet with earthing contact 16A/250V~

2.0 m supply cable H07RN-F5G 2.50 mm<sup>2</sup>

349.184 · Input:

- 1 x CEE plug 16A/400V~ - 1 x CEE plug 16A/400V~ · Output:

- 3 x socket outlet with earthing contact 16A/250V  $\scriptstyle{\sim}$ 



349.044

· IP44 4-way distributor socket outlet with hinged lids

· 10.0 m H07RN-F 3G 1.5 mm² with socket outlet with earthing contact

#### Distributor socket outlet, 3 x socket outlet with earthing contact

349.045

 $\cdot$  IP44 3-way distributor socket outlet with hinged lids and switch

 $\cdot\,$  1.5 m H07RN-F 3G 1.5 mm  $^{\!2}$  with socket outlet with earthing contact

#### Distributor socket outlet, 5 x socket outlet with earthing contact

349.046

· IP44 5-way distributor socket outlet with hinged lids and switch

· 4.5 m H07RN-F 3G 1.5mm² with socket outlet with earthing contact

#### IP44 power strip

Art. no. Version Unit

#### 3-way earthing contact power strip with covers

IP44; 230V, 16 A

381.109

· Design: DIN 49 440 part 1

· With attachment eye and four fixing points

· Solid elastomer version

#### Current limiter and current meter

Art. no. Version Unit

#### Start inrush current limiter

230 V 1-phase, IP44

· Input: 1.5 m cable H07RN-F 3G 1.5 with earthing contact plug, black 349.017

· Output: 1 x socket outlet with earthing contact 230 V / 16 A, 3-pole

· Suitable for MCB 16A characteristic B, C

#### 400 V 3-phase

349.018

· Input: 1.5 m cable H07RN-F 5G 1.5; with CEE plug 400 V/16A 5-pole

· Output: 1 x CEE socket 400 V / 16 A, 5-pole

· Suitable for MCB 16A characteristic C, D

#### Current meter MID 230V

349.019

- · Input: 1 x 1.5 m H07RN-F 3G2.5 with earthing contact plug
- · Output: 1 x 1.5 m H07RN-F 3G2.5 with earthing contact coupling
- · Integrated current meter and operating hours counter
- $\cdot$  MID counter, calibrated and sealed, cannot be reset
- · Housing made from special unbreakable plastic

1 item

1 item

1 item





















#### CEE distributor, 250V~/400V~, IP44

- $\cdot$  Highly unbreakable plastic construction, splash water protected
- $\cdot$  Ideal for mobile use out of doors
- $\cdot$  With practical cable rewind and integral carrying handle

Art. no.	Version		Unit
CEE distrib	outor		
2.0 m supp	ly cable H07RN-F	F5G 2.50 mm <sup>2</sup>	
349.008	· Input:	- 1 x CEE plug 16 A / 400 V ~	1 item
	· Output:	- 2 x CEE plug 16A/400V~	
		- 4 x socket outlet with earthing contact 16A/250V~	
CEE distril	outor with prote	ction	
4.0 m supp	ly cable H07RN-F	F5G 2.50 mm <sup>2</sup>	
349.009	· Input:	- 1 x CEE plug 32A/400V~	1 item
	· Output:	- 1 x CEE plug 32 A/400 V~	
		- 1 x CEE plug 16A/400V~	
		- 4 x socket outlet with earthing contact 16A/250V~	
	· Protection:	- 1 x C16A circuit breaker, 3-pole	
		- 2 x C16A circuit breaker, 1-pole	
349.010	· Input:	- 1 x CEE plug 32A/400V~	1 item
	· Output:	- 1 x CEE plug 32A/400V~	
		- 1 x CEE plug 16A/400V~	
		- 4 x socket outlet with earthing contact 16A/250V~	
	· Protection:	- 1 x RCD 40A/0.03A/4-pole on all outputs	
		- 1 x C16A circuit breaker, 3-pole	
		- 2 x C16A circuit breaker, 1-pole	
	· IP44		

CEE distributor with protection				
Supply cabl	e: 2 m H07RN-F	5G4 2.50 mm <sup>2</sup>		
349.011	· Input:	- CEE plug 400 V / 32 A / 5-pole	1 item	
	· Output:	- 2 x CEE socket outlet 400 V / 32 A / 5-pole		
		- 2 x CEE socket outlet 400 V / 16 A / 5-pole		
		- 4 x socket outlet with earthing contact 230 V / 16 A		
	· Protection:	- 1 x RC circuit breaker 40A, 30mA, 4-pole		
		- 2 x C16A circuit breaker, 1-pole		
		- 1 x C16A circuit breaker, 3-pole		
	· Housing mad	de of special shatter-proof plastic and carrying handle		
	· IP44			

Power distributors are not suited to use as construction power distributors or for heavy-duty work on the construction site.

#### CEE adaptor, 400 V~, IP44

· Highly unbreakable plastic construction, splash water protected

1 x CEE plug 32A/400V~

1 x CEE socket outlet 32 A/400 V  $\scriptstyle{\sim}$ 

1 x socket outlet with earthing contact 250 V  $\scriptstyle{\sim}$ 

 $\cdot$  Output: 1 x CEE socket outlet 16A/400V~

· For outdoor use, hanger included

Art. no.	Version		Unit	
CEE adapto	or			
349.012	· Input:	1 x CEE plug 16A / 400V~	1 item	
	· Output:	1 x CEE plug 32 A / 400 V ~		
349.006	· Input:	1 x CEE plug 16A / 400V~	1 item	
	· Output:	1 x CEE plug 16A / 400V~		
		1 x CEE plug 32 A / 400 V ~		
		2 x socket outlet with earthing contact 250 V~		
349.028	· Input:	1 x CEE plug 16A / 400V~	1 item	
	· Output:	3 x socket outlet with earthing contact 16 A / 250 V $\scriptstyle{\sim}$		
349.029	· Input:	1 x CEE plug 16A / 400V~	1 item	
	· Output:	1 x CEE socket outlet 16A/400V~		
		3 x socket outlet with earthing contact 16A/250V~		
Protection: 3 x 10 A fuse				
349.183	· Input:	1 x CEE plug 32 A/400 V~	1 item	
	· Output:	1 x CEE socket outlet 16 A / 400 V ~		

CEE adaptor with 1.5 m supply cable: H07RN-F5G 1.5 mm <sup>2</sup>			
Screwed / re	ewireable		
349.027		- 1 x CEE plug 16A/400V~ 3 x socket outlet with earthing contact 250V~	1 item
Screwed / rewireable			
349.035		1 x CEE plug 16A/400V~ 3 x CEE socket outlet 16A/400V~	1 item

1 item

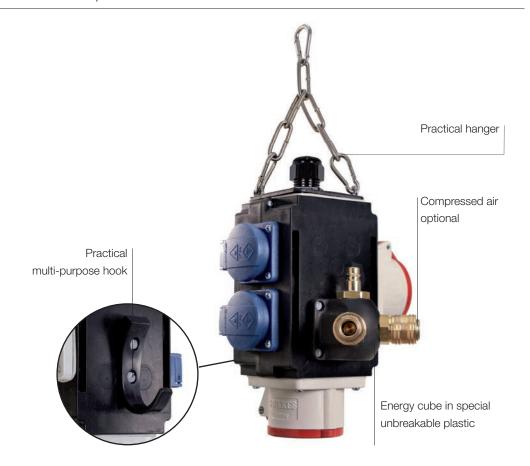
#### Replacement parts

Protection: 3 x 10 A fuse

· Input:

349.007

- · Fuse socket for CEE adaptor 900.1086
- · Fuse holder for CEE adaptor 900.1061
- · Miniature fuse



#### Energy cube

Art. no.

Wired ready for use

- · Cable entry with screw fitting
- $\cdot$  Offers high flexibility and more freedom of movement,

e.g. in workshops and assembly areas









Energy cube 4 x earthing contact

Version

#### For cable diameter 3 x 1.5 mm $^2$ – 5 x 1.5 mm $^2$

	The territory and the trust
349.300	· 4 x socket outlet with earthing contact 16A/230V
349.301	· 4 x socket outlet with earthing contact 16A/230V
	$\cdot$ 1 x compressed air supply with ½" input and 2 x ½" output

#### Energy cube 1 x CEE, 4 x earthing contact

For cable diameters 5 x 1.5 mm <sup>2</sup> – 5 x 2.5 mm
--

349.302	· 1 x CEE socket outlet 16A/400V, 5-pole
	· 4 x socket outlet with earthing contact 16A/230V
349.303	· 1 x CEE socket outlet 16A/400V, 5-pole
	· 4 x socket outlet with earthing contact 16A/230V
	$\cdot$ 1 x compressed air supply with ½" input and 2 x ½" output

#### Energy cube 2 x CEE, 2 x earthing contact

For cable diameters 5 x 1.5 mm<sup>2</sup> – 5 x 4 mm<sup>2</sup>

349.304 · 2 x CEE socket outlet 16 A / 400 V, 5-pole

· 2 x socket outlet with earthing contact 16A/230V

#### Energy cube

Art. no.	Version	Unit

	e with data connection	
P44 349.310	4 x socket outlet with earthing contact 16 A/230V     1 x CEE socket outlet 16 A     1 x compressed air point with 1/2" input     2 x 1/2" compressed air output     1 x IP67 data outlet with 2 x RJ45 Cat.6 module     Cable entry with screw fitting from 5Gmm² 1.5 to 5Gmm² 2.5     Made from special unbreakable plastic     Wired ready for use	1 item
349.311	2 x socket outlet with earthing contact 16 A/230 V 2 x CEE socket outlet 16 A 1 x compressed air point with 1/2" input 2 x 1/2" compressed air output 1 x IP67 data outlet with 2 x RJ45 Cat.6 module Cable entry with screw fitting from 5G 2.5mm² to 5G 4mm² Made from special unbreakable plastic Wired ready for use	1 item



#### CEE adapter with MCB

IP44

349.013

· Adapter CEE 400 V

Adapter OLL 400 V

· Input: 1 CEE plug 32A; output: 1 CEE socket outlet 16 A

· Rubberised housing

· Protection: 1 x C16A circuit breaker, 3-pole

1 item



CEE wall combination socket, 400 V ~ /6 h/5-pole, IP44, according to IEC 309

Art. no. Version Unit

#### CEE wall combo outlet (must be fitted by a qualified technician)

1 x CEE wall socket 400 V ~, 1 x socket outlet with earthing contact 250 V ~

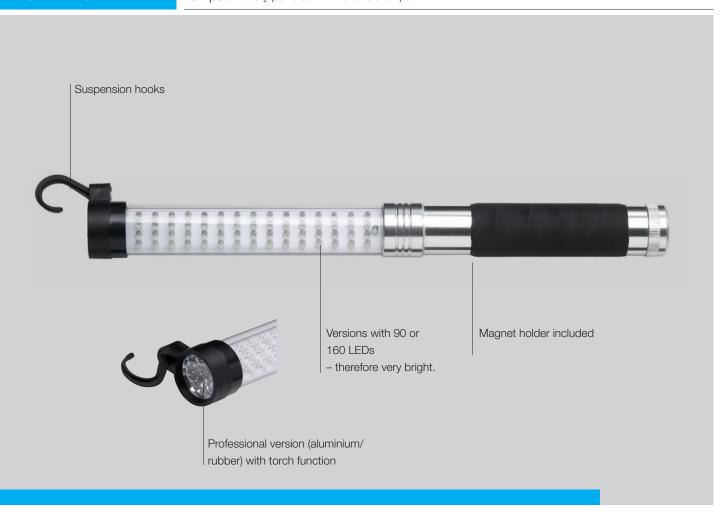
· Polycarbonate version with cable kink protection, splash-proof

910.002 · 16A

·Red

1 item





# Battery-powered LED handheld lamps

The benefits at a glance

- · LED technology offers very long service life
- · Battery operation for flexibility
- · Approx. 4 hours of lighting from one battery charge
- · Charge time approx. 4 hours
- $\cdot$  230 V AC and 12 V DC charger included
- · LEDs are shock resistant
- · Minimal heat generation

#### Battery-powered LED handheld lamp

Magnet holder

Plastic

Includes 230 V~ mains adaptor

Individually blister packaged

6 cm in diameter

Art. no.	Version	Unit	
Battery-po	owered LED handheld lamp		
With in-veh	icle charger		
394.188	· 60 LEDs 3.6W with 1 magnet holder, length 42 cm	20 items	•
394.190	· 160 LEDs 9.6W with 2 magnet holder, length 53.5 cm	20 items	
PROFESS	IONAL battery-powered LED handheld lamp		
394.191	60 + 17 LEDs for torch function, with 2 magnet holders     Including 12 V charging cable for cigarette lighter in car	20 items	



Art. no. Version

#### LED spotlight Magnum Future

With SMD LED

720.035 32W, 250V, IP44

 $2 \ x$  socket outlet with earthing contact on back

#### Battery-powered LED spotlight 10W

With Li-Ion battery

720.036 IP54, 10W Samsung LED chip, energy efficiency class A+

with 230 V mains adaptor and 12 V in-vehicle charge cable

#### Battery-powered LED spotlight 20W

With Li-Ion battery

720.037 IP54, 20W Samsung LED chip, energy efficiency class A+

with 230 V mains adaptor and 12 V in-vehicle charge cable







#### Stick lamp, 8 W, IP20

- · 8W fluorescent lamp
- · Not interchangeable. With built-in reflector
- · Electronic ballast unit built into the handle, 50 HZ
- · Plastic construction with shock resistant protection tube and rotatable hook
- $\cdot$  5.0 m H05VV-F 2 x 0.75 mm  $^2$  supply cable with Euro plug 2.5 A
- · IP20, including illuminant



Art. no.	Version	Unit
Stick lamp		Length without hook: 46.5 cm
IP20		
394.184	· Black	1 item
	· dia. 1.5 cm	

#### Professional stick lamp with energy saving lamp 11 W/250 V~, IP54

- · 11 W energy saving lamp
- · Interchangeable, antiglare, pleasant light
- · Oil resistant rubber version with shock resistant protection tube
- · Integrated reflector and stable suspension hooks
- · 5.0 m H05RN-F 2 x 1.00 mm<sup>2</sup> rubber cable with contour plug
- · Splash-proof and dustproof design
- · Including light bulb (Dulux S 11 Watt)



Art. no.	Version	Unit
Professiona	l stick lamp	Length/width: 40 cm / 4.5 cm
IP54, protection class II, double insulated		
720.006	· Black	1 item

#### Rubber hand lamp, 250 V~, IP44

- · E27 holder, max 100W
- $\cdot$  Interchangeable, with protective glass
- · Oil resistant rubber design
- $\cdot$  Metal basket with integrated hook, light bulbs not included



Art. no.	Version	Unit			
Rubber han	d lamp	Length/width: 40 cm / 4.5 cm			
IP44, protect	tion class II, double insulated				
394.183	· 5.0 m H05RN-F 2 x 1,0 mm² supply cable with plug · Black	1 item			
IP 40, withou	IP 40, without cable				
394.187	· Black	1 item			
Replacemen	t glass				
910.1011	· Protection glass	1 item			

#### Halogen spotlight 120W with earth spike, 16A/230V~, IP44

Art. no. Version Unit

#### Halogen spotlight

#### IP44

- $\cdot$  2.0 m cable: H05RN-F 3G 1.00 mm² with right-angle plug with earthing contact
- · Aluminium cast housing with cooling surface
- · Lamp holder can be turned and pivoted
- · Including light bulb

394.181 · Black 1 item



#### E27 holder with earth spike, 16A/230V~, IP44

Art. no. Version Unit

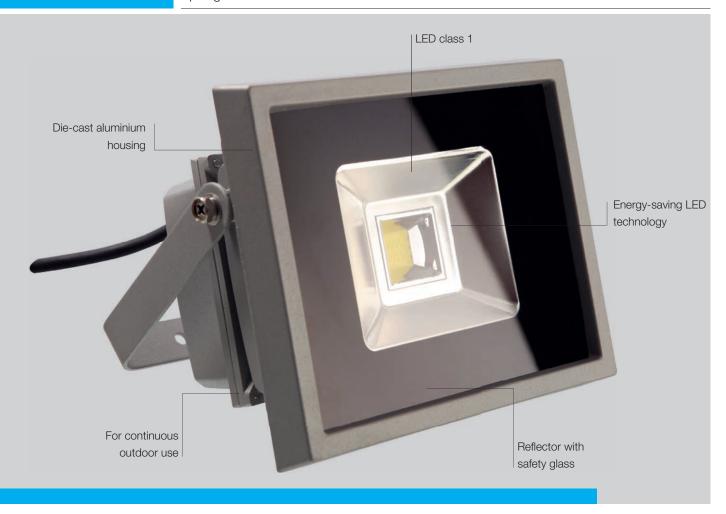
#### E 27 holder with earth spike

#### IP44

- · 2.0 m cable: H05RN-F 2 x 1.00 mm<sup>2</sup> with contour plug
- · Plastic housing with seal, splash-proof
- · Lamp holder can be pivoted
- $\cdot$  For use only with PAR38 80W light bulb (not included)

720.000 · Black 1 item





# LED spotlight







#### The benefits at a glance

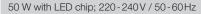
- · LED class 1
- $\cdot$  LED technology offers very long service life
- · Low power consumption
- · Minimal heat generation
- · Shock-resistant
- · Robust die-cast aluminium housing
- $\cdot$  Practical hanging, positioning and fixing options

#### LED spotlight

Art. no. Version Unit

#### Chip LED spotlight

- · LED class 1
- · Beam angle 120°
- · Die-cast aluminium housing
- · Lockable reflector, can be pivoted, with safety glass
- · IP65



720.025

· approx. 3600 lumen, colour temperature 6400K

· 2 m supply cable H07RN-F 3G 1.5 with earthing contact plug

1 item

1 item

#### 80 W with LED chip; 220-240 V / 50-60 Hz

720.026

- · approx. 7000 lumen, colour temperature 6400K
- $\cdot$  2 m supply cable H07RN-F 3G 1.5 with earthing contact plug

#### Mobile power LED spotlight

#### 20 W with frame; 220-240V / 50-60 Hz

720.027

- · approx. 1600 lumen, colour temperature 6400K
- · 2 m supply cable H07RN-F 3G 1.0 with earthing contact plug
- · LED class 1
- · Beam angle 60°
- · Die-cast aluminium housing
- · Lockable reflector, can be pivoted, with safety glass
- · IP65

1 item



#### Professional power LED spotlight

- · LED class 1
- · Beam angle 60°
- · Die-cast aluminium housing
- $\cdot$  Lockable reflector, can be pivoted, with safety glass

#### 12 W; 220-240V / 50-60 Hz

720.028

- $\cdot\,$  approx. 960 lumen, colour temperature 6400K
- $\cdot$  2 m supply cable H05RN-F 3G 1.0mm<sup>2</sup>
- · IP65

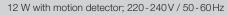
1 item

#### 12 W; 220-240 V / 50-60 Hz

720.029

- · approx. 960 lumen, colour temperature 6400K
- · Without supply cable
- · Metal cable inlet for cables up to 3G 1.5mm²
- · IP65

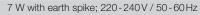
1 item



720.030

- · approx. 960 lumen, colour temperature 6400K
- · Without supply cable
- · Metal cable inlet for cables up to 3G 1.5mm²
- · IP44
- · Motion detectors: Range max. 12 m
- · Time adjustable from 9 sec to 10 min
- · Integrated dawn switch

1 item



720.031

- · approx. 560 lumen, colour temperature 6400K
- $\cdot\,$  1.5 m supply cable H05RN-F 3G 1.0mm  $^{\!2}$  with socket outlet with earthing contact
- · IP65

1 item











## Professional work lamp For use on construction sites







#### The benefits at a glance

- · Uses energy-efficient fluorescent lamps
- · Includes 4000 kelvin illuminant
- · Splash-proof and dust-resistant construction, IP44, protection class ||
- · Infinitely adjustable support bracket for positioning
- · Can be stand mounted
- $\cdot$  Version with integrated earthing contact socket outlets

#### Professional work lamp

- · Shadow free and comfortable light.
- $\cdot$  250 V~ earthing contact socket outlets fitted in rear of housing to allow other equipment to be connected (part nos. 720.020 and 720.021).
- $\cdot$  Example applications: workshops, tradesmen, ideal for outdoor use and on construction sites.
- · Lamp: Striplight 36W TC-L

Unit Version Art. no.

Professiona	ıl work lamp	Black
720.022	· 36 W (2 x 18W), 2900 lumen, without earthing contact socket outlet	1 item
	· 34 x 23 x 11 cm	
720.020	· 72W (2 x 36W), 5800 lumen, with 2 socket outlets with	1 item
720.020	earthing contact	T Itom
	· 49.5 x 28.5 x 11 cm	
720.021	· 108W (3 x 36W), 8,700 lumen, with 1 socket outlets with	1 item
	earthing contact	i item
	· 55 x 29 x 11 cm	



#### Professional stand

- $\cdot$  Robust tripod construction, zinc-plated, with mounting plate, fixing screws and practical automatic cable rewind
- · Height adjustable up to 2.50 m
- · Weight: 6 kg

Unit Version Art. no.

Professional stand		Silver
720.004	Debugt appetruction finished in allugr	1 item
730.004	Robust construction finished in silver	1 item



Unit Art. no. Version

#### LED spotlight Magnum Future With SMD LED · 32 W, 250 V, IP44

720.035

· 2 x socket outlet with earthing contact on back

1 item





#### Mobile halogen lamp, 400W, IP44

Art. no. Version Unit

#### Mobile halogen lamp

#### IP44

- · 2 m cable: H05VV-F3G 1.00 mm² with plug
- $\cdot$  400 W R7S halogen bulb included
- · Aluminium cast housing with cooling surface
- · Continuously adjustable frame in black with carrying handle

720.013 · Black 1 item



#### Halogen lamp with stand, 1 x 400 W, IP44

Art. no. Version Unit

#### Mobile halogen lamp

#### IP44

- $\cdot$  2 m cable: H05VV-F3G 1.00 mm² with plug
- $\cdot$  400 W R7S halogen bulb included
- $\cdot$  Aluminium cast housing with cooling surface
- $\cdot$  Stand with aluminium cast articulation, height adjustable up to 2 m  $\,$
- $\cdot$  With practical cable rewind
- · For use outside

722.009 · Stand colour yellow, load 5-7 kg

· Mobile halogen lamp

1 item



#### Lamp holders

Art. no. Version Unit

#### Lamp holder, pre-wired

#### E 27

- · 60W plastic E 27 holder
- $\cdot$  0.2 m H03VV-F2 x 0.75 mm²
- · Black
- · Delivery in units of 20 only

· Delivery in units of 20 only		
641.170	· With 2-pole lustre terminal block	20 items
641.171	· With clamp terminal	20 items

#### MAXI series 1000 silicone housing

- · For halogen cold light mirror lamps, diameter 51 mm, 12 V ~, maximum 35 W
- · Do not use Cool Beam light bulbs
- · Triple insulation, with cable, light bulbs not included



Art. no.	Version	Unit
MAXI series	s 1000 silicone housing	
With ceramic	c lamp holder	
924.224	· Transparent	1 item
924.225	· White	1 item
With ceramic	c lamp holder, supplied in bags of 50, loose	
924.332	· White	500 items
Without cera	mic lamp holder, supplied in bags of 50, loose	
924.334	· White	500 items





Series 1002 decorative rings				
For MAXI ser	For MAXI series 1000 silicone housing			
· Dimensions: inner 5 cm, outer 8 cm				
924.231	· Chrome	20 items		
924.250	Matt brushed stainless steel	20 items		
	•	·		



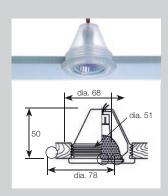
#### MAXI silicone housing for low-voltage recessed halogen spotlights

The MAXI silicone housing consists of a high-tech, high temperature-resistant elastomer with exceptional properties that will suit a wide range of applications:

- · Totally rust-free
- · Resistant to UV, ozone and ageing
- $\cdot$  Heat and cold-resistant
- $\cdot$  Excellent resistance to weather and maritime environments
- · Patented
- $\cdot$  Quick and easy to assemble and dismantle
- $\cdot \ \text{No component mounting} \\$
- $\cdot$  Light bulbs changed without tools
- · No troublesome metal rings
- · Can also be used for shops and exhibition stands (to match decor!)
- · Quick mounting technology
- · Mounting without springs

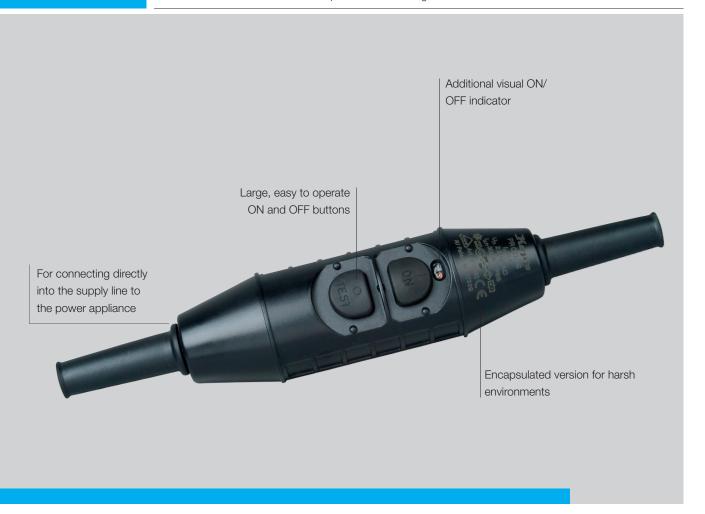
#### Can be fitted in:

- · Solid materials in different thicknesses
- · Fragile materials such as
- $\cdot$  plasterboard, fibreboards, chipboards, etc.



Series 1000	) silicone recessed spotlight housing
MAXI silicon	e recessed spotlight housing for high-voltage halogen and LED light bulbs
924.350	· For GU10 halogen lamp D:51 mm, 230 V
	· Max. 35 W or GU10 230 V LED lamp up to 5 W, colour: White
924.352	· For GU10 halogen lamp D:51mm, 230V
	· Max. 35 W or GU10 230 V LED lamp up to 5 W, colour: Transparent





## Personal circuit breakers

Personal circuit breakers with protective conductor monitoring

#### Recommended by the German Employers' Liability Association:

Designed as an intermediate device on power cords, this is a portable differential current protection device that isolates all poles and features electronic residual current evaluation. For alternating, pulsed DC and phase-controlled rated residual currents of 10 or 30mA. With undervoltage tripping, protective conductor recognition and monitoring as well as external voltage detection. When the PRCD-S detects an external voltage on the protective conductor, it does not interrupt this conductor. This allows the external current to trip its own upstream RCD or MCB protectors.

#### Mobile protective switching device PRCD-S 230 V~, 16 A, 30 mA extension cable, IP44

- · Cable lengths: plug PRCD-S: 0.15 m, PRCD-S coupling: 3.0 m
- · Mobile safety device PRCD-S assembled with cable H07RN-F 3G 1.5 mm2
- · Supplied in a robust case

Art. no. Version Unit

#### Mobile PRCD-S personal circuit breaker

- 1 x protective conductor monitoring
- · End 1: Solid rubber right angle plug with 2 earthing contact systems
- · End 2: Solid rubber coupling with cover, protection type IP44

919.014 · Black

1 item



- $\cdot$  End 1: Solid rubber right angle plug with 2 earthing contact systems
- $\cdot$  End 2: Solid rubber coupling, 3-way with cover, protection type IP44

919.015 · Black

1 item



#### PRCD-S 230V~, 16A, 30mA, IP55

- · Terminal cross-section 1 mm<sup>2</sup> 2.5 mm<sup>2</sup>
- · Test marks by BG (German employers' liability association), Cologne SEV, VDE, GS

Art. no. Version Unit

# OC

#### PRCD-S

- 1 x protective conductor monitoring
- · PRCD-S

919.018

· 30 mA rated residual current

919.016

· Black

1 item

1 item

#### PRCD-K 230V~, 16A, 30mA, IP55

- · Terminal cross-section 1 mm<sup>2</sup> 2.5 mm<sup>2</sup>
- · Test marks VDE, TÜV, GS

Black

Art. no. Version Unit

PRCD-K

1 x differential current protection device 1 x undervoltage tripping device

#### The benefits at a glance

- · Specially designed as a protective distributor for small construction sites as recommended by the BGFE employers' liability association, Cologne (ZH1 / /271), and for all portable electrical equipment.
- · Can be used irrespective of connector system
- · Undervoltage tripping
- · Offers protection as specified by DIN VDE 0661 in the event of a fault in the connected equipment. Fault currents arising from faulty consumers will cause the PRCD-S to interrupt all poles
- $\cdot$  For system faults in the fixed installation, The PRCD-S detects all faults in the fixed installation and cannot then be switched on.

#### PRCD ADAPTOR 16A/250V~/50Hz/3680W

- · 2-pole interrupt (L, N) with undervoltage tripping; tripping current < 30 mA, tripping time < 30 ms
- · Tested in accordance with: EN 61008-1:1994+A2+A11, EN 61008-2-1/08.94 IEC 884-1/A1/12.94





Art. no. Version Unit

#### **PRCD** adaptor Plug with PRCD, hinged lid, IP44

919.284 White 50 items

#### **PRCD** mounting plug Plug with PRCD, IP44

919.183 · Suitable for up to H05RNF-F3 1.5 mm² rubber cable 50 items

· Black

#### PRCD personal circuit breaker 16A/250V~/3600W

- · 2-phase, 2-pole interrupt (L, N) with undervoltage tripping
- · Tested in accordance with: T+V GS/KEMA: EN 61008-1-1994+A2+A11, EN 61008-2-1/08.94, IEC 884-1/A1/12.94, IEC 884-1/06.94
- · In accordance with the IEC standard the protective earth (PE) conductor is not interrupted

Art. no. Version Unit



#### PRCD personal circuit breaker

ш	$\Box$	F	E
ш		U	U

919.190 · Tripping current < 10 mA < 30 mA

· Tripping time < 10 ms

· Black

no protective conductor monitoring

#### IP55

919.189

- · Tripping current < 30 m A
- · Tripping time < 30 ms
- · Black
- · protective conductor monitoring

1 item

1 item

#### Earthing contact extension cable with PRCD 16A/250V~/3600W

- · 3.0 m HO7BQ-F3G 1.5 mm², with PRCD personal circuit breaker 919.189 fitted at approx. 1.5 m
- · Individually packed in plastic bag

Version Unit Art. no.



#### Earthing contact extension cable

#### IP55, with PRCD 919.189

341.880

· End 1: Mounting plug 913.173

· End 2: Mounting coupling 919.177

· Black / orange

1 item

#### Cable reel with portable RCD, 3-way

- · 3 earthing contact socket outlets with hinged lid and thermal cut-out, 1-pole
- · Reel body made from unbreakable hard rubber

Unit Version Art. no.



#### PRCD cable reel, cable: H07BQ-F 3G 1.50 mm<sup>2</sup>

25 m

398.200 Earthing contact plug 16A/30mA

· Cable: Orange, reel: Black

1 item

#### Overvoltage protection adaptor 16A/230V~/50Hz/3680W Unit Art. no. Version Plug-in overvoltage protection adaptor 1 x overvoltage protection adaptor with visual function and fail indicator (100 x 56.5 x 76 mm) 919.003 1 item · Short-circuiting resistance to 4.5 kA $\cdot$ Maximum peak current 4500 A for pulses of $8/20\,\mu$ · Maximum overvoltage: 6000 V · Max. energy intake: 165 J for pulses of $10/100\,\mu$ Response time $< 1\,\text{ns}$ · Shuttered 1 x overvoltage protection adaptor (177.9 x 62 x 33 mm) · With 8-level LED overload indicator, IP 20 919.005 1 item · Visual function and fail indicator · White





#### Energy measuring instrument 160 - 250 V~

Art. no. | Version | Unit |

Energy measuring instrument |

852.9821 | Large LC display with blue background light | 1 item |

Digital display of electricity consumption, energy costs etc. |

(can be programmed with 2 separate tariffs), voltage (V), current (A), effective power (W) |

Meter for power and cost, can be reset |

Nominal power 3860 W, consumption <1 W |

White



#### Mechanical timer switches

- · Mechanical timer switches, 24h, 16 A/230V~/3680 W:
- · Plastic version, shuttered, easy to use,
- · operating manual included





#### **Mechanical timer switch**

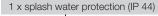
852.101

Mechanical timer switch IP44

Version

- Shortest switching interval: 15 minutes
- · 96 switch-on and switch-off times per day (24 h)
- · 121 x 74 x 76 mm (L x W x H)





852.102

- · With transparent hinged lid
- · Suitable for use in damp environments
- · Operating temperature range: -25 °C to +55 °C
- · Shortest switching interval: 15 minutes
- · 96 switch-on and switch-off times per day (24 h)
- · 150 x 74 x 82 mm (L x W x H)



#### Mini timer switch (mechanical)

· White 852.104

- · Shortest switching interval: 30 minutes
- · 48 switch-on and switch-off times per day (24 h)
- · Switch to override timer function
- · 103 x 54 x 70 mm (L x W x H)

#### Digital timer switch, 24 h, 16A/230V~/3680W

- · Plastic version with LCD, shuttered, easy to operate, operating manual included, integrated, rechargeable battery, smallest possible switching distance: 1 minute
- · Programmable by the day or by the week, built-in random generator, countdown function, resettable

Art. no.

Version



#### Digital timer switch

852.103

- - · 120 x 64 x 76 mm (L x W x H)

#### Travel plug adapter 16A/250V~

- · Earthing contact system adaptor with storage bag and interchangeable country adaptors
- · Suitable for: Red Liechtenstein / Switzerland

Green Chile/Greece/Italy

Africa/Asia/Commonwealth countries/UK/Ireland/Middle East Blue

CIS/Japan/Canada/Central and South America / South and East Asia / USA Black

Australia / New Zealand and parts of China Yellow

Art. no.

Unit



#### Travel plug adaptors

Protection class 1

914.670 Multicoloured

Version

10 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.

3-pole

921.012

· Plug pin side: Earthing contact / Germany

· Socket: Switzerland



10 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.



## **SKROSS**

Voyage of global discovery.





#### DESIGNED IN SWITZERLAND

Travel plugs / travel adaptors

Version

#### **SKROSS Travel plugs and adaptors**

World adaptor PRO, 100 - 250 V, max. 2200 W, white

110.3118

Art. no.

- · Suitable for all earthed and non-earthed Devices (2-pole and 3-pole)
- Input end: Europe (earthing contact)
- Slide-out connectors: Italy, Switzerland, UK, USA Australia/China
- Integrated protection











· 72 x 54 x 57 mm

· 73 x 57 x 76 mm

(incl. USB top)

Dimensions: (L x W x H)

Art. no. Version Dimensions: (L x W x H)

#### **SKROSS Travel plugs and adaptors**

World adaptor Pro USB, 3-pole & USB charging device, 100V-250V, max. 2200 W, USB 5V/max. 1300 mA

130.2400

- Input end: Europe (earthing contact)
- Slide-out connectors: Italy/Switzerland, UK, USA, Australia/China
- · Dual USB top
- for charging 2 USB devices at the same time
- Integrated protection
- USB output 5 V / 1300 mA



- · Patented "all-in-one" country-specific slider system
- · Recipient of function and design awards
- · Market leader for high-quality multi-adaptors, country-specific travel adaptors and powerful USB charging devices





#### Travel plugs / travel adaptors

Dimensions: (L x W x H) Art. no. Version

#### SKROSS Travel plugs and adaptors

Single travel adaptor, suitable for protection class I and II devices, 3-pole, white

150.0203

- · Input end: Europe (earthing contact), France, Germany
- · Output end: USA
- · Power: Max. 15 A/125 V~





150.0205

- · Input end: Europe (earthing contact), France, Germany
- · Output end: Switzerland
- Power: Max. 10A/250V~ (integrated fuse)





#### Travel plugs / travel adaptors

Version Dimensions: (L x W x H) Art. no.

#### SKROSS Travel plugs and adaptors

Euro USB charger, USB output: 5V /max. 1300 mA, white

130.2402

- · Can be used in countries with standard Euro sockets and in a modular fashion with all SKROSS adaptors anywhere in the world
- 2 USB ports for efficient charging of two USB devices at the same time



· 53 x 60 x 63 mm

· 53 x 60 x 72 mm













Midget car charger USB, 12 V, 2100 mA, white

290.0608

- · The compact USB port for the car
- · Input voltage: 12 V
- · Output voltage: 5.0 +/-0.25 V













· 43 x 21 x 22 mm

Adaptors are not voltage converters and are not suitable for long-term use.

The input voltage of the device to be connected must match the voltage of the local supply grid.

#### Euro plug 2.5 A/250 V~

- · Plastic version
- · Packaged version: contains 3 items in plastic bag supplied in quantities of 3 only
- $\cdot$  Delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only
- · For cables up to H05VV-F 2 x 0.75 mm<sup>2</sup>

Art. no.	Version	Unit	
Euro plug			
With screw to	erminal, packaged		
900.010	· Black	3 items	
900.011	· White	3 items	
With screw terminal, unpackaged			
900.002	· Black	100 items	
900.003	· White	100 items	







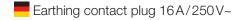
- · Plastic version
- · Packaged version: contains 3 items in plastic bag supplied in quantities of 3 only
- · Delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only
- · For cables up to H05VV-F 2 x 0.75 mm²

Art. no.	Version		Unit
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Euro coupli	ing			
With screw t	With screw terminal, packaged			
900.012	· Black	3 items		
900.013	· White	3 items		
With screw terminal, unpackaged				
900.004	· Black	100 items		
900.005	· White	100 items		
	1			





Art. no. Version Unit

#### Earthing contact mounting plug

H05VV-F 3G 0.75/1.0/1.5 mm<sup>2</sup>

- $\cdot$  With dual earthing contact system and nickel-plated contacts, e.g. Germany and France
- · Small, break-proof design with separate strain relief, no parts that can be lost

errain, erear proof deelight with expanded et air relief, the parte that earlies less		
910.100	· Black	10 items
910.200	· White	10 items

Central plug with earthing co		·	
	ntact DIN 49441		No.
H05VV-F 3G 1.0 mm <sup>2</sup>			
· Small unbreakable construction	n in plastic, with strain relief		
910.170 · Black		40 items	•
910.270 · White		40 items	
910.470 · Brown		40 items	6 Pra
Central plug with earthing co	ntact DIN 49441		0,
H05VV-F 3G 1.0 mm <sup>2</sup>			
· Large unbreakable construction	n in plastic, with strain relief		
910.971 · Grey		25 items	
Right angle plug with earthin	g contact		
H05VV-F 3G 1.50 mm <sup>2</sup>			0
· Small unbreakable construction	n in plastic, with lateral earthing cont	tact	
911.172 · Black		50 items	3
911.272 · White		50 items	
Flanged earthing contact plu	g/angled		
H05VV-F 3G 1.50 mm <sup>2</sup>			
· Unbreakable construction, with	n side entry		
911.170 · Black	·	40 items	
911.270 · White		40 items	
911.470 · Brown		40 items	
Right angle earthing contact	plug with switch		
H05VV-F 3G 1.50 mm <sup>2</sup>			
· Break-proof design made from	plastic, with 2-pole rocker switch		
911.171 · Black		20 items	
911.271 · White		20 items	
Right angle earthing contact	plug with control switch		
H05VV-F 3G 1.50 mm <sup>2</sup>			
· Break-proof design made from	plastic, with 2-pole illuminated rocke	er switch	
911.273 · White		20 items	
Earthing contact coupling	16A/250V~		_

#### Unit Art. no. Version **Earthing contact coupling** H05VV-F 3G 1.5 mm<sup>2</sup> $\cdot$ Small, break-proof design made from plastic 912.170 · Black 50 items · White 912.270 50 items 912.470 · Brown 50 items Earthing contact coupling H05VV-F 3G 1.5 mm<sup>2</sup> $\cdot$ Large, break-proof design made from plastic, with kink protection nozzle 912.971 · Grey 15 items





#### Rubber plugs and couplings 16A/250V~

- · For fitting to cables up to H07RN-F 3G 2.50 mm²
- · Delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only

Art. no.	Version			Unit
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#### Rubber plug

- IP44, DIN 49441
- · Thermoplast insert with dual earthing
- $\cdot$  Also suitable for France and Belgium
- · Revolving strain relief for various cable cross-sections

20 items 913.171 Black

#### IP44, DIN 49441-2-AR1

- · Break-proof thermoplast insert with earthing contact
- · Standardised clip in function and kink protection
- · Side fitting and screw terminal block
- · Temperature range -40 °C to 70 °C
- · Black 20 items 913.172

#### Rubber coupling

#### DIN 49440

- · Thermoplast insert with earthing contact and strain relief
- 10 items 913.174 · Black

#### IP44, DIN 49440

- · Thermoplast insert with earthing contact and strain relief
- · With cover
- 919.176 · Black 10 items

## Solid rubber plugs and couplings 16A/250V~

- · Delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only

Unit Art. no. Version





## Solid rubber plug

#### IP44, DIN 49441-2-AR1

- · For mounting on cables up to H07RN-F 3G 2.50 mm²
- · Solid rubber insert with earthing contact
- · Standardised clip in function and kink protection
- · Side fitting and screw terminal block
- · Temperature range -40 °C to 70 °C

20 items 913.173 · Black





#### Solid rubber right angle plug

#### IP44, DIN 49441-2-AR1

- $\cdot$  For mounting on cables up to H07RN-F 3G 2.50  $\text{mm}^{\text{2}}$
- · Robust industrial version with solid rubber insert and earthing contact
- · Standardised clip in function
- · Surface clamps and metal strain relief
- $\cdot$  Side fitting and screw terminal block
- $\cdot$  Temperature range -40  $^{\circ}\text{C}$  to 70  $^{\circ}\text{C}$

919.171	· Black	10 items
919.178	· With dual earthing contact system suitable for Belgian/French	
	standards	

Art. no. Version Unit · Black

#### Solid rubber contour plug, 2-pole

- · For mounting on cables up to H07RN-F 2 x 2.50 mm², without earthing contact
- · Clip in function, delivery to the end consumer is only permissible in assembled condition
- · Must be connected by qualified specialists only

20 items 919.179 Black



#### Solid rubber coupling

#### DIN 49440-2-D-AR1

- · For mounting on cables up to H07RN-F 3G 2.50 mm², temperature range -40 °C to 70 °C
- · Solid rubber insert with earthing contact and side fitting
- · Robust industrial version with surface clamps and standardised clip in function

913.175 Black 10 items



#### IP44, DIN 49440-2-D-AR1

- · For mounting on cables up to H07RN-F 3G 2.50 mm², temperature range -40 °C to 70 °C
- · Thermoplast rubber insert with earthing contact and side fitting and cover
- · Robust industrial version with surface clamps and standardised clip in function

919.177 Black 10 items



#### IP44 power strip

Version Unit Art. no.

#### 3-way earthing contact power strip with covers

#### IP44; 230V, 16 A

381.109

- · Design: DIN 49 440 part 1
- · With attachment eye and four fixing points

· Solid elastomer version



1 item

#### 3-way couplings 16A/250V~, IP44

Version Unit Art. no.

#### Solid rubber 3-way coupling

#### IP44, DIN 49440-2-D-AR1

- · For fitting to cables up to H07RN-F 3G 2.50 mm², solid rubber insert with earthing contact
- · Robust industrial version with hinged lid and hanger,

standardised snap latch and kink protection

- · Screws and terminal blocks on side, temperature range -40 °C to 70 °C
- · For permanent use out of doors and on construction sites



· Black 913.170 10 items

#### PA housing 3-way coupling

#### IP20, DIN 49440-2-D-AR1

- · For fitting to cables up to H07RN-F 3G 2.5 mm², PA insert with earthing contact
- $\cdot$  With attachment eye and kink protection, connections with screw terminals
- · Temperature range -40 °C to 70 °C

919.1751\* · Black 10 items



#### Cord intermediate switch 16A/250V~, IP44

Unit Art. no. Version



#### Solid rubber cord intermediate switch

#### IP44

- · 2-pole cut-off
- · For round cable up to H07RN-F 3G 2.50 mm²

· Black 923.174 10 items

	Internat	tional earthing contact plug	
	Art. no.	Version	Unit
		!	<u>'</u>
		g contact plug, Switzerland CH, 10A/250V~	СН
4		up to 3G 1.00 mm²	
		oplastic version train relief	
	910.17		1 item
	910.17		1 item
	910.27	J   VVIIII. 112 plug	i item
	Earthin	g contact plug, UK, 13A/250V~	UK
		up to 3G 1.50 mm <sup>2</sup>	
	· Plastic	version	
	· Integra	Il 13A miniature fuse	
9	· With st	train relief	
6	910.17	6 · Black	1 item
	910.27	6 · White	1 item
		g contact plug, USA, 15A/125V~	USA
	3-pole · Non-pole	plariped	
		oplastic version	
100	910.17		20 items
	0.0111	State of the state	20 1101110
	USA plu	ug	USA
	2-pole		
	· Not po	larised, Duroplast	
	910.17	8 · Black	100 items
E S		g contact plug, Italy, 10 A / 250 V~	Italy
	3-pole		
200		oplastic version	50 %
	910.17	4 Black	50 items
	Farthin	g contact plug, Australia, 10 A / 250 V~	Australia
	3-pole	5	
	· With in	sulated pins and sleeve	
	910.18	2 · Black	40 items
	910.28	2 · White	40 items
	Internat	tional earthing contact couplings	
	Art. no.	Version	Unit
		<u>'</u>	'
	Earthin	g contact coupling, Switzerland CH, 10 A / 250 V~	СН
	<b>1</b> 912.17	4* · Black	50 itoms
			50 items
	912.27	4   · Wille	50 items
100	Earthin	g contact coupling, UK, 13A/250V~UK	
1	With fur	nction display	
	·Therm	oplastic version	
	910.17	7* · Black	10 items
	910.27	7* · White	10 items
	F		
		g contact coupling with earthing pin, Belgium/France 15A/125V~	Earthing contact /UTE
		ık protection sleeve oplastic version	
	912.17		35 items
	912.17		35 items
		ı	ı

#### Solid rubber international plugs and couplings

- · Up to max. H07RN-F 3G 2.5 mm<sup>2</sup>
- · Belgian/French system

· IP44, thermoplastic and solid rubber version, with snap latch

Art. no.	Version	Unit
Solid rubbe	r plug 16A/250V~	Earthing contact/UTE
IP44		
913.169	With dual earthing contact     With side fitting, socket and surface clamps     Black	20 items
Solid rubbe	r coupling, 16A/250V~	Earthing contact/UTE
IP44		
919.169	With snap latch and protection against contact     With thermoplastic cover	10 items





#### Non-heating appliance plugs and sockets

· Black

Art. no.	Version	Unit	
Non-heating			
C14, 10A/250V~, 70°C			
· For cables ι	ole junction		
· Screw term	inal, kink protection nozzle and strain relief		
915.171	· Black	50 items	
915.271	· White	50 items	
915.971	· Grey similar to RAL7035	50 items	















#### Non-heating appliance right angle plug with earthing contact C14, 10A/250V~, 70°C

- · For cables up to 3G 1.00 mm², thermoplastic version with earthing contact C14 for cable junction
- · Screw terminal, kink protection and strain relief, cable exit right hand side

915.172 · Black 50 items

#### Non-heating appliance socket with earthing contact

C13, 10A/250V~, 70°C

- · For cables up to 3G 1.00 mm², thermoplastic version with earthing contact C13 for cable mounting

· Screw termi	· Screw terminal, kink protection nozzle and strain relief		
915.170	· Black	25 items	
915.270	· White	25 items	
915.970	· Grey similar to RAL7035	25 items	

#### Non-heating appliance right angle socket with earthing contact

C13, 10A/250V~, 70°C

- · For cables up to 3G 1.00 mm², thermoplastic version with earthing contact C13 for cable mounting

· Screw terminal, kink protection and strain relief, cable exit right hand side		
915.173	· Black	25 items
915.973	· Grey similar to RAL7035	25 items

#### Non-heating appliance in-built plug

C14, E, 10A/250V~, 70°C

- $\cdot$  Thermoplastic version for screw terminal
- 917.170 · Black 50 items



#### Non-heating appliance plugs and sockets

Unit Art. no. Version

#### Non-heating appliance in-built socket

C13, F, 10A/250V~, 70°C

· Thermoplastic version for screw terminal

· Black 917.171 50 items

Unit

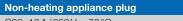












Version

C20, 16A/250V~, 70°C

Art. no.

· Thermoplastic version with earthing contact

· With kink protection nozzle for line assembly

915.175 · Black 25 items

Non-heating appliance in-built plug | C20, 16A/250V~, 70°C · Thermoplastic version

917.173 · Black 25 items

#### Non-heating appliance socket with earthing contact

C19, 16A/250V~, 70°C

- · For cables up to 3G 1.50 mm²
- $\cdot$  Thermoplastic version with earthing contact C19
- $\cdot$  Kink protection nozzle for line assembly

· Black 915.174 25 items



#### Non-heating appliance in-built socket with earthing contact

C19, J, 16A/250V~, 70°C

· Thermoplastic version with earthing contact C19

917.172 · Black 25 items



#### Heating appliance plugs and sockets

Version Art. no. Unit

#### Hot appliance built-in plug

C16A, E, 10A/250V~, 155°C

 $\cdot$  Thermoplastic version for screw terminal

918.170 · Black 50 items



#### Heating appliance socket with earthing contact

C15A, 10A/250V~, 155°C

- · For cables up to 3G 1.00 mm²
- · Thermoplastic version with earthing contact, C15A for cable mounting
- · Screw terminal, kink protection nozzle and strain relief

916.170	· Black	25 items	
916.970	· Grey (RAL7035)	25 items	

#### Heating appliance sockets

Unit Art. no. Version

### Heating appliance socket

C21, 16A/250V~, 155°C

· Kink protection nozzle for line assembly

918.171 · Black



#### Junction boxes

Unit Art. no. Version

#### Appliance junction box

#### 16A/380V~

- · For 55 mm wall boxes / height 14 mm
- · Thermoplastic version for concealed wiring mounting
- $\cdot$  Easy mounting thanks to removable terminal box
- · Snap in lid
- $\cdot$  With screw terminal 5 x 2.50 mm² and strain relief

· White 190.271 20 items

#### Cooker connection socket

#### 16A/380V~

· For 55 mm wall boxes / height 23 mm

· White 190.270





Unit Art. no. Version

#### Perilex plug

#### IP54

- · Side entry, 3-pole + E + O to VDE 0100/5.73
- · Waterproof IP20

349.203 · White 10 items





#### Accessories

Art. no.	Version	Unit
Intermediat	e switch 2A/250V~	



Intermediate switch 2A/250V~		
For cables up to H03VVH2-F2 x 0.75 mm <sup>2</sup>		
· Plastic		
923.170	· Black	1 item
923.270	· White	1 item



#### Lamp holder, pre-wired

E 27

- · 60W plastic E 27 holder

· Delivery in units of 20 only			
641.170	· 0.2 m H03VV-F2 x 0.75 mm²	20 items	
	· With 2-pole lustre terminal block		
	· Black		
641.171	· 0.2 m H03VV-F2 x 0.75 mm²	20 items	
	· With clamp terminal		
	· Black		



#### Light bulb adaptor

#### Converts E 27 fitting to E 14

730.005 1 item · External thread: E 27 · Internal thread: E 14 · Thread: Brass · Insulation: Plastic



#### Light bulb adaptor

#### Converts E 40 fitting to E 27

730.008  $\cdot$  External thread: E 40 1 item

 $\cdot$  Internal thread: E 27  $\cdot \ \text{Thread: Brass}$ · Insulation: Porcelain



#### Porcelain terminal

#### For wire cross sections up to 2.5 mm<sup>2</sup>

	· Without wire	protection	
	950.000	· 1-pole	1 item
		· Dimensions: 17 x 9.5 x 12 mm, hole diameter ca. 3.1 mm	
	950.002	· 2-pole with central fixing hole	1 item
		· Dimensions: 21 x 18 x 16 mm, hole diameter ca. 4.3 mm	
	950.003	· 3-pole with central fixing hole	1 item
		· Dimensions: 33 x 19 x 16 mm, hole diameter ca. 5.0 mm	
	For wire cross	s sections up to 4 mm <sup>2</sup>	
950.004	950.004	· 2-pole with central fixing hole	1 item
		· Dimensions: 24 x 22 x 22 mm hole diameter ca. 5.0 mm	



#### Ceiling box, diameter 70 mm

- $\cdot \ \text{Including screws} \\$

· Loose in ba	9	
190.273	· White, approx. height 20.0 mm	20 items



#### Accessories for illumination light chains

100033011	65 for marrination light chairs		
Art. no.	Version	Unit	
Connectin	g box		
For flat cabl	les H05RN H2 x 1.5 mm²		
740.015	· Black	30 items	
Solid rubb	er right angle plug		
IP44			
740.017	<ul> <li>For flat cable</li> <li>With snap latch</li> <li>With surface clamps</li> <li>Assembled with two screws from front</li> <li>Black</li> </ul>	10 items	
	plug for illumination cable 16A/250 V~		
	for H05RN H2-F2 x 1.5 mm <sup>2</sup> cables	10.0	_
740.002	Solid rubber version	10 items	
	Without earthing contact		
	· With snap latch		
	· Black		
	ng for illumination cable		
DIN 0282	AAPAI Island and a sure of the	40 %	_
740.003	With hinged cover and mounting     Without contains a contact.	10 items	
	Without earthing contact     For contact place only		
	For contour plugs only     Black		
	· DIAUN	I	
	for illumination cable		
DIN 0282	White heads for heading	40 %	
740.004	With hook for hanging	10 items	
	Provides a secure end to illumination lighting cables		

- · Black



### Light chains



Unit Art. no. Version

#### Light chain with plug and end piece

With plug and end piece

- · External dimensions approx. 5.20 x 13.20 m

· Including rubber plug and end piece with hook			
740.005	· With 10 E 27 lamp holders	1 item	
	· Light bulbs not included		
	· Green, 10 m cable		
740.006	· With 20 E 27 lamp holders	1 item	
	· Light bulbs not included		
	· Green, 20 m cable		

#### Lamp holders

Art. no.	Version		Unit
----------	---------	--	------

#### Illumination lamp holder

#### E 27

- · For use outside
- $\cdot$  Heat and weather resistant thermoplastic
- $\cdot$  Splash-proof when used with sealing ring (740.001/740.012) please order separately

740.000	· Max. 40 W	100 items
---------	-------------	-----------

- $\cdot$  Protection class  $\parallel$  / IP44
  - $\cdot$  Up to 165 °C without sealing ring

#### Illumination lamp holder with fixing base

- $\cdot$  For fixing on firm surfaces
- $\cdot$  Only use outside with rubber seal.
- Sealing ring (740.001/740.012) please order separately

740.011	· E 27	50 items	
	· Black, Distance of fixing screws: 46 mm		
740.010	· E 14	50 items	
	· Black, Distance of fixing screws: 40 mm		

Unit Art. no. Version





· Guaranteed prote	ection from	water dronlets	when the hulh is	directed downwards

<ul> <li>Guaranteed</li> </ul>	· Guaranteed protection from water droplets when the bulb is directed downwards		
740.001	· E 27	500 items	
	· Black		
740.012	· E 14	150 items	
	· Black		



<sup>\*</sup> No storage type, purchase in complete packaging units only

# inter BXR

- · For halogen cold light mirror lamps, diameter 51 mm, 12 V ~, maximum 35 W
- $\cdot$  Do not use Cool Beam light bulbs
- · Triple insulation, with cable, light bulbs not included

Art. no.	Version	Unit	
MAXI serie	es 1000 silicone housing		
With cerami	ic lamp holder		
924.224	· Transparent	1 item	CH.
924.225	· White	1 item	
With cerami	ic lamp holder, supplied in bags of 50, loose		
924.332	· White	500 items	
Without cer	ramic lamp holder, supplied in bags of 50, loose		
924.334	· White	500 items	
Series 100	2 decorative rings		
	eries 1000 silicone housing		
· Dimension	ns: inner 5 cm, outer 8 cm		
924.231	· Chrome	1 item	
924.250	Matt brushed stainless steel	1 item	

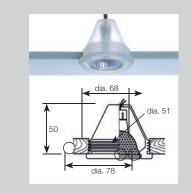
#### MAXI silicone housing for low-voltage recessed halogen spotlights

The MAXI silicone housing consists of a high-tech, high temperature-resistant elastomer with exceptional properties that will suit a wide range of applications:

- · Totally rust-free
- $\cdot$  Resistant to UV, ozone and ageing
- · Heat and cold-resistant
- · Excellent resistance to weather and maritime environments
- · Patented
- $\cdot$  Quick and easy to assemble and dismantle
- · No component mounting
- · Light bulbs changed without tools
- · No troublesome metal rings
- · Can also be used for shops and exhibition stands (to match decor!)
- · Quick mounting technology
- $\cdot \ \text{Mounting without springs} \\$

#### Can be fitted in:

- $\cdot$  Solid materials in different thicknesses
- · Fragile materials such as
- $\cdot$  plasterboard, fibreboards, chipboards, etc.



Series 1000	silicone recessed spotlight housing	
MAXI silicone	e recessed spotlight housing for high-voltage halogen and LED light bulbs	
924.350	924.350 · For GU10 halogen lamp D:51mm, 230V	
	· Max. 35W or GU10 230 V LED lamp up to 5W, colour: White	
924.352	· For GU10 halogen lamp D:51mm, 230V	
	· Max. 35W or GU10 230 V LED lamp up to 5W, colour: Transparent	



Accessories



#### Shuttered

Art. no. Version Unit



Socket outlet protection

- $\cdot$  Socket outlet protection for plugging into earthing contact socket outlets
- · Protective cover with key
- $\cdot$  Only remove from the socket outlet with the key supplied
- $\cdot$  5 items and 3 keys in transparent bag (price per bag)

924.201	· White	10 bags
924.101	· Black	10 bags
924.004	· Brown (supplied in units stated)	10 bags

· Loose (price per item)

924.005	· White	50 items
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#### Teddy automatic series 6320

Socket outlet protection

- $\cdot$  Socket outlet protection for sticking into earthing contact socket outlets
- · 5 items on blister card (price per card)

· 3 items on bilister card (price per card)		
924.009	· White	20 cards
924.010	· Black	20 cards
924.011	· Brown	20 cards

· Loose (price per item)

924.012	· White	250 items
	·	



#### 2002 series protective caps

- · For plugging into earthing contact socket outlets
- $\cdot$  10 items In transparent bag (price per bag)

924.172	· White		10 items
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#### Teddy duo series 6330

Night light

- · Night light and socket outlet protection
- · With key
- · 1 item on blister card (price per card)

924.001	· Gives a red light	20 items
924.002	· Gives a red light, with motif	20 items



- · With screwed contacts
- · Do not use Cool Beam light bulbs
- · For double insulated flat cable 2 x 0.75 mm²

Art. no.	Version		Unit
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Art. no.	Version	Unit
Series 505	2 cord intermediate dimmer, 2 A/250 V~	L x W x H 66 x 30 x 21 mm
Off switch, 2	2-pole	
· Non-illumir	nated, for Class II equipment	
· Marking 0	- 1	
· For double	e insulated flat cable 2 x 0.75mm²	
924.028	· Housing black, rocker black	20 items
924.029	· Housing white, rocker white	20 items
Off switch, 2		
	I, for Class    equipment	
· Marking 0		
	e insulated flat cable 2 x 0.75mm <sup>2</sup>	1
924.031	Housing white, rocker white	20 items
Series 504	4 cord intermediate dimmer, 2(1) A/250 V~	L x W x H 66 x 30 x 21 mm
Off switch,	1-pole	
· Housing a	nd strain relief screwed, 2 connector terminals	
· For dual in	sulated flat cable 2 x 0.75 mm <sup>2</sup> and 3 x 0.75 mm <sup>2</sup>	,
· Contact st	rain relief	
924.259	· Housing transparent, button transparent	20 items
924.023	· Housing white, button black	20 items
924.024	· Housing black, button black	20 items
924.025	· Housing white, button white	20 items
924.026	· Housing brown, button beige	20 items
924.027	· Housing gold, button gold	20 items
924.260	· Housing titanium, button black	20 items

#### Series 8007 cord intermediate dimmer, 2A/250V~

L x W x H 61 x 23 x 15 mm

#### Off switch, 1-pole

- $\cdot$  Strain relief and housing screwed
- $\cdot$  Connector terminal for neutral conductor
- · For dual insulated flat cable 2 x 0.75 mm<sup>2</sup>

· For dual insulated flat cable 2 x 0.75 mm			
924.036	· Housing black, rocker black	50 items	
924.037	· Housing white, rocker white	50 items	
924.038	· Housing brown, rocker brown	50 items	
924.039	· Housing gold, rocker gold	50 items	



- · Strain relief screwed, snap-on housing, with inset pushbutton switch, button diameter 12 mm
- · Connector terminal for neutral conductor
- · For dual insulated flat cable 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>

1 of dual insulated flat cable 2 x 0.73 filling and 3 x 0.73 filling			
924.032	· Housing black, button black	50 items	
924.033	· Housing white, button white	50 items	
924.034	· Housing brown, button brown	50 items	

# Series 5055 cord intermediate switch, 3(2) A/250 V~ L x W x H 67 x 22 x 17 mm (without rocker) Off switch, 1-pole

- · Strain relief via insulated material screw, snap-on housing assembly
- · Connector terminal for neutral conductor
- $\cdot$  Contacts with silver, therefore particularly suitable for LED
- $\cdot$  For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²

i di duai ilisi	diated hat cable 2 x 0.75 min and 0 x 0.75 min	
924.043	· Housing black, rocker black	50 items
924.044	· Housing white, rocker white	50 items
924.045	· Housing brown, rocker brown	50 items
924.046	· Housing gold, rocker gold	50 items
924.261	· Housing titanium, rocker black	50 items







Art. no. Version Unit

#### Series 8006 cord intermediate switch, 6(4) A/250 V ~ L x W x H 76 x 26 x 23 mm

Off switch, 1-pole

- · Strain relief for screwing, housing screwed, 2 connector terminals, marking 0 I
- · For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²
- · Suitable for secondary phase halogen lamp switching

Oditabio ioi	Cartable for observating prices rianger family switching	
924.047	· Housing black, rocker black	50 items
924.048	· Housing white, rocker white	50 items
924.049	· Housing brown, rocker brown	50 items
924.050	· Housing gold, rocker brown	50 items

#### Series 8010 cord intermediate switch, 10(4) A/250 V~ L x W x H 80 x 30 x 25 mm Off switch, 2-pole

- · Strain relief for screwing, housing screwed, connector terminal for protective conductor
- · Marking 0 I
- · For cable 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>

924.051	· Housing black, rocker red	50 items
924.052	· Housing white, rocker white	50 items
924.053	· Housing brown, rocker beige	50 items

#### Series 8010 cord intermediate switch, 10(4) A/250 V~

L x W x H 80 x 30 x 25 mm

- Off switch, 2-pole
- · Strain relief for screwing, housing screwed, connector terminal for protective conductor
- · Marking 0 I
- · Illuminated
- $\cdot$  For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²

· Housing black, rocker red 50 items



#### Series 8011 cord intermediate dimmer, 2A/250V~

L x W x H 105 x 37 x 37 mm

- Multi-circuit switch, 1-pole
- $\cdot$  Housing with line exit on both sides
- · 2 connector terminals
- · Circuit 0-1-1+2-2-0
- $\cdot$  For cable 2 x 0.75 mm² and 3 x 0.75 mm²

924.054	· Housing black, button black	10 items
924.055	· Housing white, button white	10 items

#### Refrigerator door switch with quick-action contact

- · With screwed contacts, T 85°C
- · Two-hole fixing, fixing holes diameter 3.5 mm



Art. no. Version Unit

#### Series 5120 refrigerator door switch with quick-action contact, 2(1) A/250 V ~

L x W x H 39 x 34 x 15 mm

Break-contact switch, 1-pole

- · Trade version with added housing
- · Hole distance 43 mm

924.203	· Housing white, button white	40 items
924.103	· Housing black, button black	40 items

- · Industrial version without additional housing
- · Hole distance 25.5 mm
- · Caution: Ensure installation is VDE-compliant, e.g. bolt only to insulating surfaces (plastic)

924.071	· Housing white, button white	100 items
924.072	· Housing black, button black	100 items



- · With screwed contacts
- $\cdot$  For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²
- · 2 connector terminals
- · Snap-on housing
- · Strain relief screwed

Art. no.	Version	Unit
Series 5062	intermediate foot switch, 2(1) A / 250 V ~	diameter 66 m
Off switch, 1-	pole	
924.056	· Housing gold, button gold	10 items
924.057	· Housing white, button black	10 items
924 058	· Housing black, button black	10 items

Series 5062	intermediate foot switch, 2(1) A / 250 V ~	diameter 66 mm
Off switch, 1	-pole	
924.056	· Housing gold, button gold	10 items
924.057	· Housing white, button black	10 items
924.058	· Housing black, button black	10 items
924.059	· Housing white, button white	10 items
924.060	· Housing brown, button beige	10 items

		<u> </u>
Series 8009	intermediate foot switch, 2(1) A / 250 V ~	diameter 66 mm
Off switch, 1-	pole	
924.062	· Housing black, button black	10 items
924.063	· Housing white, button white	10 items
924.064	· Housing brown, button brown	10 items
924.065	· Housing gold, button gold	10 items

Series 8009	intermediate foot switch, 6(2) A / 250 V ~	diameter 66 mm
Off switch, 1	-pole	
· Suitable for	secondary phase halogen lamp switching	
924.068	· Housing black, button black	10 items
924.069	· Housing white, button white	10 items

Series 8009 intermediate foot switch 2(1) A / 250 V ~		diameter 66 mm
Multi-circuit	switch, 1-pole	
· Circuit 0-1-	-1+2-2-0	
924.066	· Housing white, button black	10 items
924.067	· Housing black, button black	10 items
924.264	· Housing gold, button gold	10 items

Series 8008 intermediate foot switch 2A/250V~		diameter 66 mm
Off switch, 1	-pole	
924.061	Housing brass, button black     Housing and strain relief screwed, no snap-on housing	10 items













#### Cord end switch

- · With screwed contacts
- · Housing and strain relief screwed



Art	t. no.	Version	Unit
Se	ries 8016	cord end switch 10(2) A/250 V~	L x W x H 30 x 51 x 20 mm
On	n/off switch	, 1-pole, marking 0 - 1	
92	24.073	· Housing white, rocker white	50 items
92	24.074*	· Housing black, rocker black	50 items

#### Cord end dimmers, 8013 series

- · Hand or foot activated, for low-voltage halogen lamps (for conventional transformers)
- · For high-volt halogen lamps, for bulbs of 20-500 W



Art. no.	Version	Unit
Series 8013	cord end dimmer 250 V ~	L x W x H 107 x 60 x 30 mm
With 2 m cab	le and appliance plug	
924.078	· Housing black, slider black	1 item
924.079	· Housing white, slider white	1 item
924.080	· Housing gold, slider gold	1 item
924.266	· Housing titanium, slider black	1 item
Series 8013	cord intermediate dimmer 250V ~	L x W x H 107 x 60 x 30 mm
924.075	· Housing black, slider black	1 item
924.076	· Housing white, slider white	1 item

1 item

1 item

1 item



0 . ' 004	
Series 8015 cord intermediate dim	mer

924.077

924.265

924.336

 $\cdot$  With illumination, for light bulbs, with strain relief

· Housing gold, slider gold

· Housing titanium, slider black

· Housing transparent, slider transparent



From 40 to	160 watts with miniature fuse 0.8 A	
924.267	· Housing transparent	10 items
924.081	· Housing black	10 items
924.082	· Housing white	10 items



Series 8113 cord intermediate dimmer / reverse phase control dimmer 230 V ~ L x W x H 130 x 60 x 35 mm 50 Hz, 20 to 300 VA

- · Connection options can be freely selected (as intermediate or end dimmer)
- · Hand and foot activation
- \* No storage type, purchase in complete packaging units only



- · For low-voltage halogen lamps (with electronic transformers)
- · For high-voltage halogen lamps, for light bulbs

Art. no. Version Unit

Series 8114	cord intermediate dimmer 250 V ~	96 x 41 x 29 mm
50 Hz, 20 to 200 W/VA		
· Revolving off function, with earth wire connection		
· For low-voltage halogen lamps with conventional transformers		
· For high-voltage halogen lamps, for light bulbs		
· Fuse switch	accessible from the outside, allows problem-free fuse changing	
924.340	· Housing black, rotating wheel light grey	1 item
924.342	· Housing transparent	1 item
924.343	· Housing white	1 item
924.344	· Housing gold	1 item



Art. no. Version Unit

Series 8116 LED cord intermediate dimmer		
For dimmable LED lamps, dimmable energy saving lamps		
924.0161 · 230 V AC, 50 Hz, 7 -110 W/VA, colour: Black		
Separate on and off switches, control wheel provides dimming function.		



#### Series 8117 cord intermediate dimmer

For low-voltage halogen lamps with magnetic transformers, high-voltage halogen lamps and filament light bulbs 924.0162 · 230 V AC, 50 Hz, 20 - 500 W/ VA, colour: Black

Function as mother/child dimmer, slide controller for manual and foot operation, night light



#### Series 3652 rocker switch

- · With and without illumination, tab terminals 6.3 x 0.8 mm
- · Snap-in fixing to 11 x 30 mm cut-out

Art. no.	Version		Unit

7 11 1. 110.	VOLGIOTI	Offic
Series 3652	? rocker switch 16(8) A ∕ 250 V ~, T 185 °C	
On-off switch	h, 1-pole, non-illuminated, no embossing on rocker	
924.090	· Housing white, rocker white	50 items
924.091	· Housing black, rocker black	50 items
On-off switch	h, 1-pole, illuminated, no embossing on rocker	
924.111	· Housing white, rocker red	50 items
924.112	· Housing black, rocker red	50 items
924.113*	· Housing black, rocker yellow	50 items
924.114	· Housing black, rocker green	50 items
Changeover	switch, 1-pole, non-illuminated, no embossing on rocker, no centre position	l
924.092*	Housing black, rocker black	50 items

 $<sup>\</sup>underline{\ }^{\star}$  No storage type, purchase in complete packaging units only





#### Series 3652 rocker switch

- $\cdot$  With and without illumination, tab terminals 6.3 x 0.8 mm
- · Snap-in fixing to 22 x 30 mm cut-out









Art. no.	Version	Unit		
Series 3652	rocker switch 16(8) A/250 V~, T 125 °C			
On-off switch				
924.094	· Housing white, rocker white	50 items		
924.095	· Housing black, rocker black	50 items		
On-off switch	n, 2-pole, illuminated, rocker embossed with 0 I			
924.096	· Housing white, rocker red	50 items		
924.097	· Housing black, rocker green	50 items		
924.098	· Housing black, rocker yellow	50 items		
924.099	· Housing black, rocker red	50 items		
Changeover switch, 2-pole, non-illuminated, no embossing on rocker, no centre position				
924.109	· Housing black, rocker black	50 items		
On-off switch	n, 2 x 1-pole, illuminated, no embossing on rocker			
924.120	· Housing black, rocker red/red	25 items		

#### PVC caps and surrounds

· Retrofit to series 3652 as splash and dust protection

Unit Version Art. no.



	Series 22 SF	PVC caps and surrounds	
	For 1-pole ro	cker switch	
	924.115	· Surround white, cap clear	50 items
1	924.116	· Surround black, cap clear	50 items
	For 2-pole ro	cker switch	
	924.118	· Surround black, cap clear	50 items

#### Series 8004 rocker switch

- · Snap-in fixing to 19.4 x 13 mm cut-out
- · Suitable for secondary phase halogen lamp switching
- · Non-illuminated, marking 0 I



Series 800	04 rocker switch 6(2) A/250V~. T 85°C	
Art. no.	Version	Unit

Control 500 1 100 ito 1 0 ito 1 it		
Off switch, 1-	pole	
924.127	<ul><li>Flat socket connections 4.8 mm</li><li>Housing black, rocker black</li></ul>	50 items
924.128	Screw terminals     Housing black, rocker red	50 items

- · Snap-in fixing to 22 x 30 mm cut-out
- · Combined flat socket connections 6.3 mm
- · Screw terminals M 3
- · Illuminated, marking 0 I

Art. no. Version Unit

#### Series 8005 rocker switch 16(4) A / 250 V $\sim$ , T 85 $^{\circ}$ C

Off switch, 2-pole

924.129 · Housing black, rocker red 100 items



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#### Series 8014 rocker switch

Art. no. Version Unit

#### Series 8014 rocker switch 6(2) A/250 V~, T 85 °C

Off switch, 1-pole

- $\cdot$  Fits diameter 22 mm, fixing thread M 22, Class II
- · Screwed contacts, with plastic hexagonal nut
- $\cdot$  Suitable for secondary phase halogen lamp switching

924.131	· Housing white, rocker white	50 items
924.132	· Housing black, rocker black	50 items

#### Series 8014 rocker switch 6(2) A/250 V ~, T 120 $^{\circ}\text{C}$

Off switch, 1-pole

- · Fits hole diameter 19 mm, class II, screwed contacts, with protection against contact
- $\cdot$  Suitable for secondary phase halogen lamp switching

924.13	33	· Housing black, rocker black	50 items
924.13	34	· Housing white, rocker white	50 items



#### Series 8014 rocker switch 16(4) A/250 V ~, T 85 °C

Off switch, 2-pole

- · Snap-in fixing to 22 x 30 mm cut-out, combined tab terminals 6.3 mm
- $\cdot$  Screw terminals M 3, with water protection cap, illuminated, marking 0 I

924.136	· Housing red, rocker red	50 items
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#### Multi-position pushbutton switches

- $\cdot$  Central fixing by M 12 x 1 mm, screwed contacts, bell-shaped nut screws on from above
- · Circuit 0-1-1+2-2-0



Art. no.	Version	Unit
Series 3076 multi-position pushbutton switches 2A/250V~, T 100°C		
Multi-circuit switch, 1-pole		
924.140	· Button white, thread length 8 mm	50 items
924.141	· Button white, thread length 12 mm	100 items

#### Push-button switches

Art. no.

Version

· Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above



Carias 000d		'
Series 8001 pushbutton switch 2(0.7) A/250 V ~, T 100 °C  Off switch, 1-pole		
924.142	· Button white, thread length 8 mm	100 items
924.143	· Button black, thread length 8 mm	100 items
924.145	· Button white, universal for 8-15 mm thread	100 items
	· With 2 thread-reducing rings	100 items

Unit



Series 8001 pushbutton switch 6(2) A / 250 V ~ AC, T 85 °C		
Off switch, 1-pole		
· Suitable for secondary phase halogen lamp switching		
924.144 · Button white, thread length 8 mm	100 items	



Series 3030 pushbutton switch 2(1) A/250 V~, T 85 °C		
Off switch, 1-pole		
· Knurled nut screwed on		
924.137	· Button white, thread length 11.5 mm	100 items
924.138	Button black, thread length 11.5 mm	100 items





 $\cdot$  Without thread, screwed contacts, fixing holes diameter 3.6 mm

Art. no. Version Unit

Series 8001 pushbutton 2A/250V ~ AC		
Make-contac	t switch, 2-pole	
924.146	· Button white	50 items

- · Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above
- · With 2 thread-reducing rings, universal for 8-15 mm threads





Art. no. Version

Series 8001 buttons 2(0,7) A/250 V ~, T 100 °C

Make-contact switch, 1-pole

924.149 · Button white, thread length 8 - 15 mm

100 items

Unit

#### Pull switches

#### Screwed contacts

Art. no. Version Unit

#### Series 3716 pull switch 4(1) A/250 V~, T 125 °C

#### Off switch, 1-pole

924.151

· Housing black

- · Two-hole fixing
- · Hole spacing 20 mm
- · Fixing holes diameter 3.4 mm

#### 50 items

100 items

100 items



#### Off switch, 1-pole

924.152

· Housing black

· Single-hole fixing

· Fixing holes diameter 3.2 mm

924.153

 $\cdot$  Housing black

· Hole spacing 22-25 mm

· With screw mounting plates



#### Series 3746 pull switch 2A/250V~, T 125°C

#### Off switch, 1-pole

- · Two-hole fixing
- · Hole distance 22 mm
- · Fixing holes diameter 3.4 mm

924.154	· Housing brown-black, pull cord entry on end face	50 items
924.155	· Housing brown-black, pull cord entry on side face	50 items

- · Hole distance 23 mm
- $\cdot$  Fixing holes diameter 3.4 mm
- · With fixing plate

924.156	· Housing brown-black, pull cord entry on end face	50 items
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#### Pull switches

· Two-hole fixing, hole spacing 20 mm, hole diameter 3.4 mm screw contacts



Art. no.	Version	Unit	
Series 8017 pull switch 2A/250V~, T 100 °C			
Off switch, 2-pole			
924.159	· Housing black	50 items	

#### Multi-circuit pull switch

- $\cdot$  Two-hole fixing, hole spacing 22 mm, hole diameter 3.15 mm
- · Screwed contacts, switches between 0 1 1+2 2 0



Art. no.	Version	Unit
Series 3776	multi-circuit pull switch 2A/250V~, T 85°C	
Multi-circuit s	witch, 1-pole	
924.157		50 items

#### Pull cord

- · 25 cm, with pull cone
- · Suitable for switch types 3716, 3730, 3746, 8017, 3776



Art. no.	Version	Unit
Pull cord		
924.158	· White	50 items

### Toggle switches

Art. no.

- $\cdot$  Suitable for equipment in safety class II, central fastening M 12 x 0.75 mm, hexagonal and knurled nut screwed on
- $\cdot$  Toggle lever and housing made from thermoplastic, contacts silver, terminals silver plated
- · Suitable for secondary phase halogen lamp switching

Version



Series 8400	rocker switch 6(4) A / 250 V ~, T 85 °C	
Off switch, 1	-pole	
924.160	· Soldered connection	50 items
924.161	· Flat socket connections 4.8 mm	50 items

Unit

Series 8400	Series 8400 rocker switch 6(4) A / 250 V ~, T 85 °C	
Changeover	switch, 1-pole	
924.162	· Soldered connection	50 items
924.163	· Flat socket connections 4.8 mm	50 items

## inter RXR

#### Special products

Art. no. Version Unit

#### 8600 series pulse starters

Instant ignition (rapid starter)

· For fluorescent lamps, reduces the costs of maintenance and replacement of fluorescent lamps, protects the environment, 10-year warrantv. -30 °C to +75 °C

10-year wan	anty, -30 C to +73 C	
924.167	· EFS 120/110-250V~, 4-22W	10 items
924.168	· EFS 600/200-260V~, 4-125W	10 items



#### Series 8110 overload-protected power strip

2-way

924.164

· 230V~, 50Hz/16 A

· For connecting two devices with high power consumption (e.g. washing machines and driers)

· 1.5 m connector cable with plug

- · 1 socket outlet with automatic cut-out, power dependent
- · 1 socket outlet for continuous power
- · Screw-on
- · Weight 450 g

1 item



#### Note

This overload-protected power strip solves the problem of running two power-hungry appliances such as a washing machine and a tumble dryer from a single supply cable. It prevents fuses being blown and avoids the need for new cables to be installed. The two appliances can be run simultaneously because the power strip cuts out the tumble dryer during the water-heating phase of the washing machine. Once the heating stage is completed, the dryer is automatically switched on again. For electronic dryers please consult your user manual.

Art. no. Version Unit

#### Series 8140 power socket Thermo

Temperature-controlled socket with 1 x earthed contact plug max. 230 V / 16 A

924.174

- · Built-in battery Ni-MH 2.4 V / 40mA
- · Integrated thermostat
- · Adjustable temperature range: 5 °C 30 °C, 40 °F 85 °F
- $\cdot$  Operating temperature: -10  $^{\circ}\text{C}$  to 70  $^{\circ}\text{C}$
- · Accuracy: +/- 1°C
- $\cdot$  LCD display, with coloured operating information
- · Display of target/actual temperature
- · Socket with manual switch

dimensions: 59 x 107 x 40 mm

10 items

1 item



#### Series 8812 dawn switch DS-A

230 V AC, 50/60 Hz, +/- 10%

924.171

- · Maximum load 100 V ~ A at Too = -20 °C to 35 °C
- · Load current max. 430 mA
- · Switch-on threshold approx. 5 15 Lux
- · Switch-off threshold approx. 30 40 Lux
- · Cast housing

Dimensions: 34 x 22.5 x 16 mm



### Pinfix series 8821

Art. no. Version Unit



#### Pinfix series 8821

Special solution for difficult flat connector power packs

- $\cdot$  For the whole of Europe (except Switzerland)
- · Pinfix is patented, 1 item on blister cards

ι ιιτικ ιδ ραισ	sitted, i item on bilister cards	
924.329	· Black	20 cards
924.330	· White	20 cards



Art. no. Version

Lockable outdoor socket outlet
Series 9015 230 V 16 A IP44 only t

Series 9015 230 V, 16 A, IP44, only for mounting on wall, LWH 185 x 85 x 80 mm

924.349 1 x socket outlet with earthing contact, supplied without lock and plug
924.3491 1 x socket outlet with earthing contact, suitable for angle plug, supplied without lock and plug



# KITCHEN SOLUTIONS

Modern integration of power for kitchens

One of Bachmann's primary objectives is to deliver innovative products to help our customers achieve long-term success. For this reason we exploit all the possibilities offered by professional engineering and modern process management to develop our standardised and customised systems and products.

### Plug into a world of opportunities

The new Bachmann power strips for kitchens are successful adaptations from the facility and IT industry. Years of experience and German engineering coupled with high-quality materials and collaborations with well-known product designers make our power strips designer pieces for perfect power integration.

With Bachmann KITCHEN SOLUTIONS you can be sure of having access to the best connectors and connections. Our products are configurable with numerous standard international socket outlets and if necessary with data connections too. Get in touch. We are happy to assist with customised solutions and projects.





TWIST	346	0
Exceptionally compact power strip with low installation depth. TWIST is flat enough not to interfere with units installed underneath. Winner of the Red Dot Product Design Award 2012 and other awards.		00
ELEVATOR  Designed for a standard hole diameter of 80 mm, ELEVATOR is a compact powerhouse with 3 socket outlets. Recessed in the top of the work surface when not in use, simply touch to raise.	348	
ELEVATOR cover	350	
POWER FRAME COVER  The amazing evolution of the POWER FRAME - an elegant and attractive aluminium cover that is particularly suitable for stylish kitchens.	352	00 00
POWER FRAME  For the integrated power connection. Versatile application options.  The power strip simply clicks into the built-in frame.	354	997
CONI	356	
Free access to the power supply. Integrated into the work surface together with connected cables. The integrated brush insert prevents cables jamming.		133
LIFT	358	
A practical combination of sophisticated looks and precision mechanical design. Recessed in the top of the desk or table when not in use. Simply touch to raise. Docking options on four sides.		
Wall / corner multiple-socket outlet	360 NEW	
Universal multiple-socket outlets for installing both in corners and on walls. The stainless steel look profile makes it ideally suited to any kitchen.		0000
Accessories and assembly items	362	

# World of opportunities

# Function modules can be integrated ex factory



#### Overvoltage protection

These days the failure of electrical and electronic equipment is a real nightmare scenario. Protection against excess electric voltage is more important than ever for electrical and electronic equipment. "24/7 availability" is now essential for many users. Don't worry: the Bachmann strip with built-in overvoltage protection is the answer.



#### Mains and frequency filters

Mains and frequency filters ensure effective screening and smoothing of the input voltage. Only "clean" voltage gets through our mains and frequency filters. Voltage stabilisation and the filtering out of disturbance frequencies allows the connected device to run properly and smoothly.



#### USB 3.0 keystone module

The USB keystone module supports USB 3.0 and allows data to be transferred at high speed. Three different socket/socket combinations are available for different configurations.

#### USB charger

The USB charger component has 2 ports with max. 2.15 A. Integrated in Bachmann products, the ability to charge mobile devices using the universal USB charger is very convenient and the integrated mains adaptor frees up socket outlets too.



#### Residual current circuit breaker / miniature circuit breaker

The residual current circuit breaker / miniature circuit breaker integrated in a Bachmann strip gives you peace of mind. The user can select between the two circuit breakers. But they can of course be combined too.





You can also use the product configurator at bachmann.com

Bachmann products provide solutions that are as individual as life itself.





# TWIST Power outside the box







TWIST is the ideal power strip for kitchens. With its compact design and low installation depth, it is easily integrated in kitchen worktops.

Because the power cable is routed close to the housing, the installation depth is only around 40 mm, so the unit can be easily installed above a drawer.

With a choice of stainless steel or chrome look finish, the TWIST blends easily into both modern and classic.

The fastener is clever: After use, simply rotate the cover and the socket outlets disappear underneath it.

TWIST won the Red Dot Product Design Award 2012, the Interior Innovation Award 2014, the Focus Silver 2014, the Good Design Award 2014 and some other awards.

- · Very low installation depth (approx. 40 mm)
- · Compact design (H x diameter: approx. 42.5 x 115 mm)
- · Space-saving cable routing
- · Quick and easy to install
- · Suitable for retrofitting
- · Stainless steel look
- · KEMA KEUR approved
- · Red Dot Product Design Award Winner 2012
- · Interior Innovation Award 2014
- · Focus Silver 2014
- · Good Design Award 2014

#### **TWIST**

931.009

Installation diameter 105 mm, installation depth 40 mm, for work surfaces of 8 mm or more

Art. no. Version

TWIST 2S	Metallic stainless steel look cover disc
Power input:	2.0 m cable with end sleeves and black earthing contact mounting plug (included)
931.000	· 2 x socket outlet with earthing contact, shuttered, black
931.002	· 2 x French / UTE socket outlet, shuttered, black
931.008	· 2 x T23 CH socket outlet, shuttered, black



Power input:	2.0 m cable with end sleeves and black earthing contact mounting plug (included)	
931.021	· 2 x socket outlet with earthing contact, shuttered, black	NEW
931.016	· 2 x French / UTE socket outlet, shuttered, black	NEW

Kevstone m	odules for TWIST 931.001
1 x USB 3.0	
917.120	· Front: Socket A / rear: Socket B
1 x HDMI key	ystone
918.040	· Front: HDMl socket, rear: HDMl socket without cable
Keystone mo	odule CAT6 coupling socket/socket
940.083	· Frontseite: RJ45 (Keystone-Befestigung), Rückseite: RJ45 (Keystone-Befestigung)
	· Geschirmt

Other keystone modules on request
-----------------------------------

Hole saw	diameter:	105 mm
For fitting the	e TWIST	
931.900	· In wood/plastic with cutting depth up to 44 mm	
918.900	· Mounting tool for hole saw with centring drill	

· 1 x T13 CH socket outlet, shuttered, black · 2 x keystone module for data sockets

Device supply cable, GST18/right-angled earthing contact plug				
375.003	3.0 m	· Cable: H05VV-F 3G 1.5 mm²		
375.007	5.0 m	· End 1: Right-angled earthing contact plug / End 2: Wieland GST18i3 socket		

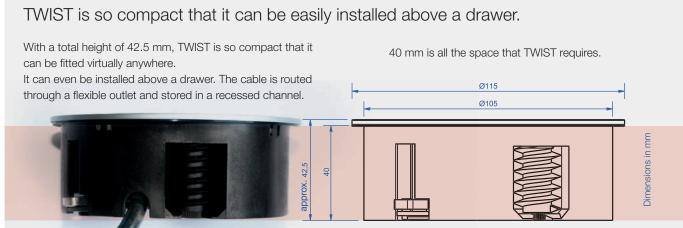


Similar to photo





#### Watch the TWIST installation film at bachmann.com





# **ELEVATOR**

## The compact socket tower

ELEVATOR fits perfectly in any kitchen. Designed for the particular requirements of kitchens, ELEVATOR's 79 mm diameter makes it optimal for installation in kitchen worktops. The design is unobtrusive and the materials high quality.

Press down with your thumb to raise ELEVATOR which provides three socket outlets in a very small space. The power strip is simply lowered again after use.

- $\cdot$  Press down with your thumb to raise
- $\cdot$  3 socket outlets
- · Suitable for standard 79 mm hole
- · Quick and easy to install
- · Suitable for retrofitting
- · Stainless steel look
- · Classic design

#### **ELEVATOR**

928.024

Version Art. no.

ELEVATOR	ELEVATOR power strip		
Stainless steel look profile, power input: 2.0 m H05VV-F 3G 1.5 mm² with end sleeves and earthing contact mounting plug (included)			
928.002	· 2 x socket outlet with earthing contact, shuttered, black		
928.003	03 · 1 x socket outlet with earthing contact, shuttered, black		
	· 2 x Euro socket outlet, shuttered, black		
928.007	· 2 x French / UTE socket outlet, shuttered, black		
928.017	· 1 x socket outlet with earthing contact, shuttered, 1 x USB double charger (5.2 V / 2.15 A)		
928.020	928.020 · 1 x French / UTE socket outlet, shuttered, 1 x USB double charger (5.2 V / 2.15 A)		

· 2 x Swiss / T23 socket outlet, shuttered, with mounting plug (included), black

 $\cdot$  1 x USB 3.0 A socket with 3.0m data cable and USB 3.0 A plug

 $\cdot$  1 x French / UTE socket outlet, shuttered, black, set at 35 $^{\circ}$ · 1 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug

· 1 x HDMI socket with 3.0 m data cable and socket  $\cdot$  1 x UK 5 A individually fused, shuttered, black, set at  $90^{\circ}$ 

· 1 x USB double charger (5.2 V / 2.15 A)

· 1 x Swiss / T13 socket outlet, shuttered, black · 2 x CAT6 RJ45 with 3.0 m data cable and socket

Aluminium p and/or socke	rofile, matt chrome, power input: 0.5 m H05VV-F3G 1.5 mm <sup>2</sup> with GST18 plug; 3.0 m data cables and plug et	
928.004	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
928.005	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°	
	· 1 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
	· 1 x USB 3.0 A socket with 3.0 m data cable and USB 3.0 A plug	
928.008	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	
	· 2 x CAT6 RJ45 with 3.0 m data cable and RJ45 plug	
928.009	· 1 x French / UTE socket outlet, shuttered, black, set at 35°	
	. 1 x CAT6 P M5 with 3.0 m data cable and P M5 plug	



928.003

928.002

928.005

#### Accessories

928.010

928.026

928.035

Art. no. Version

Hole saw diameter 79 mm for installing ELEVATOR			
928.900	· In wood/plastic; cutting depth up to 44 mm		
918.900	· Mounting tool for hole saw with centring drill		



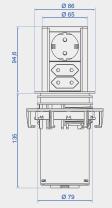
Art. no. Length Version

Device supp	oly cable, GS	ST18/right-angled earthing contact plug	black
375.003	3.0 m	· Cable: H05VV-F 3G 1.5 mm²	
375.007	5.0 m	· End 1: Right-angled earthing contact plug / End 2: Wieland GST18i3 socket	





Watch the ELEVATOR installation film at bachmann.com



#### ELEVATOR fits in cut-outs 79 mm in diameter

100 mm high, 79 mm in diameter: With 3 socket outlets, ELEVATOR is a tiny yet impressive powerhouse. Simply press down with your thumb to open ELEVATOR. It is simply lowered again after use.

Dimensions in mm







# **ELEVATOR COVER**

## The add-on for flexible installation

ELEVATOR COVER is the ideal add-on and screen for the ELEVATOR multiple-socket outlet. Two versions are available:

OUTSIDE version is the brushed stainless steel look profile for installing under the kitchen wall cupboard; BUILT IN is a housing for fitting in the cupboard.

Both versions optimally encase each ELEVATOR multiple-socket outlet and add to the installation options. ELEVATOR can be extended as usual with one press of the thumb and provides up to three socket outlets in a very small space. After use, ELEVATOR disappears back into the ELEVATOR COVER.

- · Installation add-ons and screens suitable for the ELEVATOR power strip
- $\cdot$  Mounted on the wall or in a corner
- $\cdot$  Two versions available (in or below wall cupboard)
- · Quick and easy to install
- $\cdot$  Suitable for retrofitting
- · Aluminium to 'stainless steel' look

#### **ELEVATOR COVER**

Art. no. Version

**ELEVATOR COVER outside** 

Height: 210 mm; diameter: 92 mm

Dimensions: 127 x 127 x 150 mm

to hold ELEVATOR for mounting below kitchen wall cupboard

928.901 · Stainless steel look surface



Illustration shows ELEVATOR power strip as example. Power strip not included.

#### **ELEVATOR COVER built in**

Housing to hold ELEVATOR for mounting inside kitchen wall cupboard

928.902

· Stainless steel look body

· Plastic top









# POWER FRAME COVER

Who'd have thought power could be so elegant

The compact POWER FRAME has evolved into the POWER FRAME COVER with an elegant and attractive aluminium cover, designed especially for stylish kitchen environments and with the added bonus of protection from dust and dirt.

- · Design piece made from anodised aluminium
- · Suitable for retrofitting
- · Power and data can be accessed from all sides
- · Dust protection
- · Compact dimensions
- · Versatile in application
- $\cdot$  Quickly installs complete power strips
- · Multitude of configuration options

# Also available in other configurations

#### POWER FRAME built-in frame

Art. no. Version

POWER FR	AME COVER 3-way	Dimensions approx. 255 x 87 x 8 mm
Aluminium, mounted on black Power Frame, for gluing into the worktop		
915.500	· Aluminium flap	
915.501	· Inox (similar MAS0802000), painted Aluminium	
915.503	· white (similar RAL 9010), painted Aluminium	
915.022	· black (similar to E1/C35), anodised and brushed Aluminium	



#### Aluminium power strips

Art. no. Version

Power strip	s L	ength approx. 220 mm	
	minium profile; fixed connection with power input 2.0 m H05VV-F 3G 1.5 mm <sup>2</sup> with act mounting plug (included separately)	end sleeves and	000
916.1192	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°		0
916.111	· 3 x French / UTE socket outlet, shuttered, black, set at 35°		
916.1193	· 2 x socket outlet with earthing contact, shuttered, black, set at 35°	U	
	· 1 x USB double charger (5.2 V / 2.15 A)		100
916.112	· 2 x French / UTE socket outlet, shuttered, black, set at 35°	U	
	· 1 x USB double charger (5.2 V / 2.15 A)		
			15
			A. C.



You can also use the product configurator at bachmann.com





# POWER FRAME

## Compact and efficient

POWER FRAME is the compact solution for integrated and easily accessible power connections. Combining compact dimensions with high-quality timeless design, POWER FRAME opens up virtually unlimited application options.

The power strip can be simply clicked into the built-in frame from below.

- · Suitable for retrofitting
- · Compact dimensions
- · Versatile in application
- $\cdot$  Quickly installs complete power strips
- · Multitude of configuration options

Also available in other configurations

#### POWER FRAME built-in frame

Version Art. no.

POWER FRAME 3-way built-in frame		External dimensions: approx. 241 x 73 mm
317.001	· Stainless steel	
915.000	· Black similar to RAL 9005	
915.001	· White similar to RAL 9010	



#### Aluminium power strips

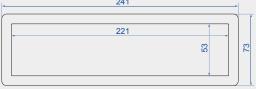
Art. no. Version

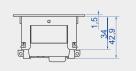
Power strips	Length approx	c. 220 mm
Anodised aluminium profile; fixed connected and aluminium profile; fixed connected arthing contact mounting plug (included	ation with power input 2.0 m H05VV-F 3G 1.5 mm $^{ m 2}$ with end sleeves a deparately)	nd
916.1192 · 3 x socket outlet with ea	arthing contact, shuttered, black, set at 35°	
916.111 · 3 x French / UTE socke	t outlet, shuttered, black, set at 35°	
916.1193 · 2 x socket outlet with ea	arthing contact, shuttered, black, set at 35°	Į
· 1 x USB double charge	r (5.2 V / 2.15 A)	
916.112 · 2 x French / UTE socke	t outlet, shuttered, black, set at 35°	U
· 1 x USB double charge	r (5.2 V / 2.15 A)	



You can also use the product configurator at bachmann.com







Dimensions in mm





# CONI

## Integrated functionality

CONI brings flexibility to the work surface as it enables free, individual access to power. CONI's minimal installation depth provides sufficient space, even if installed near the edge.

A wide range of standard surface finishes also provides the freedom to design.

When not in use, CONI fits neatly into the work surface. When you need power, data or media, simply open the cover, plug into a socket and close the cover again.

The integrated brush insert prevents the cables from jamming. The harmonious appearance of an even surface is retained.

With CONI you are free to decide how the socket outlets are configured because the power strip can be quickly replaced without any tools.

- $\cdot$  Integrated into your desktop or tabletop
- · Suitable for retrofitting
- · Minimum built-in depth, robust frame design
- $\boldsymbol{\cdot}$  Integrated brush insert for closing once cables have been connected
- · Complete power strip can be quickly interchanged

Also available in other configurations and country versions

#### CONI built-in frame

Version Art. no.

CONI short Stainless steel

911.004 · Ground stainless steel, with integrated brush strip (black)

#### CONI power strips

Art. no. Version

3 x power socket outlet		Length: approx. 217 mm
Anodised alu	uminium profile; power input: 0.2 m cable and GST18i3 plug	
333 1007	· 3 x socket outlet with earthing contact, shuttered, black, set at 35°	

#### 2 x power socket outlet + 1 x USB double charger (5.2V / 2.15 A)

Length: approx. 217 mm ∪

Anodised aluminium profile; power input: 0.2 m cable and GST18i3 plug

 $\cdot$  2 x socket outlet with earthing contact, shuttered, black, set at 35 $^{\circ}$ 

· 1 x USB double charger (5.2 V / 2.15 A)

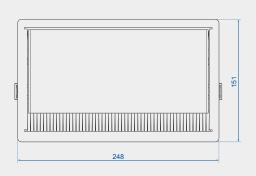


#### Supply cable

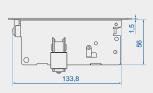
Art. no. Length Version

Device supply cable, GST18 earthing contact			black
375.075	2.0 m	· Cable: H05VV-F 3G 1.5 mm²	
		· End 1: Right-angled earthing contact plug; end 2: Wieland GST18i3 socket	









Dimensions in mm





# LIFT High-tech in motion

LIFT is the totally practical combination of sophisticated looks and high-precision mechanical design. The unit is recessed neatly in the worktop when not in use. Simply touch to raise out of the work surface ready for docking on all four sides. Once you have finished using the LIFT unit, simply push it back into its initial recessed position by hand.

This highly compact unit needs a drill hole only 140 mm in diameter for installation. Built-in depth both open and closed is just 195 mm.

- · Simply touch to raise
- · Suitable for retrofitting
- · Attractive looks all round
- · Access points on 4 sides
- · Incredibly compact dimensions
- · Low built-in depth
- $\cdot$  4 plug-in units on 1 height unit

# Also available in other configurations

#### Enclosure colour black + silver

Art. no. Version

#### LIFT black, 4 x power socket outlet

Enclosure colour black; power input: 0.5 m cable and GST18i3 plug

904.000 • 4 x socket outlet with earthing contact, shuttered, black, set at 35°
 904.004 • 4 x French / UTE socket outlet, shuttered, black

Art. no. Version



904.012 · 4 x French / UTE socket outlet, shuttered, black

· 4 x French / UTE socket outlet, shuttered, black







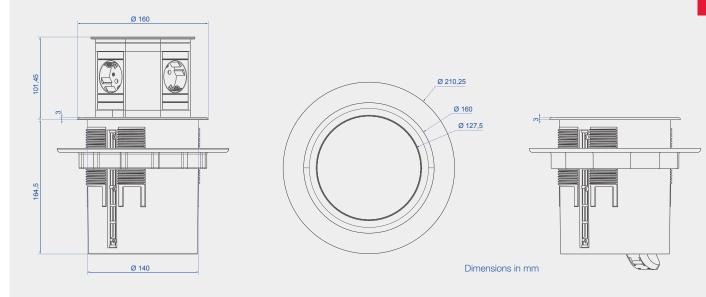




40 mm















# Wall / corner multiple-socket outlet Elegant use of space in the modern kitchen

The universal power strip is an efficient solution providing an easy-to-access power connection in the kitchen. The power strip can be mounted in a corner or on the wall.

The cover surface with stainless steel look finish has a timeless design, suitable for any kitchen.

The power strip is available in different variants for example with rocker switch or USB double charger.

- · Quick and flexible in use
- · For wall or corner mounting
- · Suitable for retrofitting
- · Timeless design
- · Secure installation

## Wall / corner multiple-socket outlet

Art. no. Version

Wall / corne	er multiple-socket outlet	Length: 458 – 580 mm NEW
	el look profile, kitchen variant; 2.0 m H05VV-F 3G 1.5 mm² with earthing contact mounting plug (included)	
923.006	· 4 x socket outlet with earthing contact, shuttered, black	- 000
923.007	· 4 x socket outlet with earthing contact, shuttered, with 1 x rocker switch, black	k
923.008	· 4 x socket outlet with earthing contact, shuttered, with 1 x rocker switch, black	k
	· 1 x USB double charger	k
923.010	· 4 x French / UTE socket outlet, shuttered, black	
923.011	· 4 x French / UTE socket outlet, shuttered, with 1 x rocker switch, black	
923.012	· 4 x French / UTE socket outlet, shuttered, with 1 x rocker switch, black	U
	· 1 x USB double charger	





# Kitchen connection box

The universal accessory for connecting hob and oven.



Kitchen cor	nnection box
Grey, with so	rew-mounting eyes, connected load up to 10 kW
H05VV-F 5G	2.50 mm² for cooker socket
H05VV-F 4G	2.50 mm <sup>2</sup> for hob
H05VV-F 3G	1.50 mm <sup>2</sup> with socket outlet with earthing contact for oven
923.000	· 2 m kitchen connection box
	· Cooker connection socket 2 m; hob 2 m and oven 2 m
923.001	· 5 m kitchen connection box
	· Cooker connection socket 2 m; hob 5 m and oven 5 m
923.0011	· 5 m kitchen connection box PLUS
	· Cooker connection socket 5 m; hob 5 m and oven 5 m
923.002	· 10 m kitchen connection box
	· Cooker connection socket 2 m; hob 10 m and oven 10 m

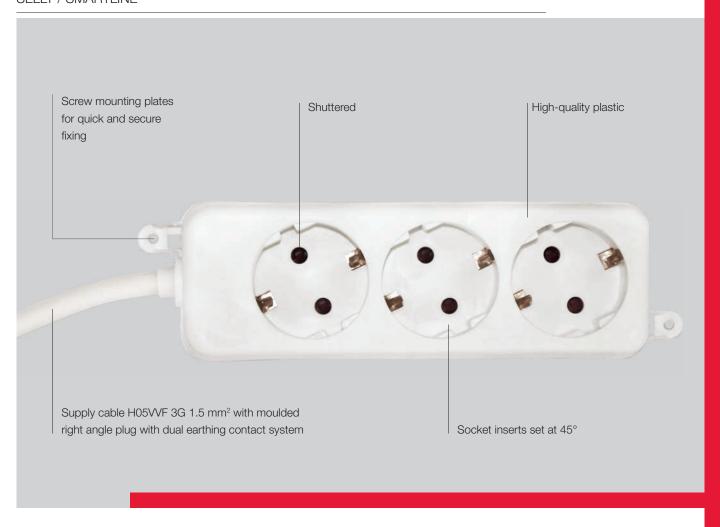
## The benefits at a glance

· No need to fit additional sockets

Version

Art. no.

- $\cdot$  The existing cooker socket can still be used
- $\cdot$  Saves costs as no need to fit sockets later
- · Rewirable WAGO® terminals
- · Low built-in depth (approx.34 mm)
- · Also utilizable for induction cooker



# SELLY + SMARTLINE



Art. no.	Version	Unit	
SELLY 3 x	socket outlet with earthing contact with screw mounting plates	Dim.: approx. 160 x 50 x 40 mm	
3 x socket c	butlet with earth contact, set at 45°, shuttered		
Supply cable	e: H05W-F 3G 1.50 mm² with right-angled earthing contact plug		
387.274S	· 1.5 m supply cable, white	20 items	
387.275S	· 3.0 m supply cable, white	20 items	900
SELLY 3 x	socket outlet with earthing contact without screw mounting plate	es Dim.: approx. 160 x 50 x 40 mm	
387.270S	· 1.5 m supply cable, white	20 items	
387.271S	· 3.0 m supply cable, white	20 items	6633
SELLY 6 x	socket outlet with earthing contact without screw mounting plate		
6 x socket c	butlet with earth contact, set at 45°, shuttered		
Supply cable	e: H05VV-F 3G 1.50 mm² with right-angled earthing contact plug		
381.241S	· 1.5 m supply cable, white	20 items	
Art. no.	Version	Unit	
SMARTLIN	IE 3 x French / UTE Dime	ensions: approx. 185 x 56 x 41 mm	
Rewirable, v	vithout switch		
3 x French /	UTE socket outlet, shuttered		
388.270F	· 1.5 m supply cable, white	20 items	w.
388.271F	· 3.0 m supply cable, white	20 items	

#### Cooker connecting cable with end sleeves PVC, 70°C

Also available in 25 m and 50 m rings

- · End 1: 50 mm stripped with end sleeves
- · End 2: 110 mm stripped with end sleeves, 140 mm green/yellow protective conductor



Art. no.	Length	Colour	Unit	
H05VV-F 5G	1.50 mm²		Diameter: approx. 9.5 mm	
Without pack	kaging			
116.270	1.5 m	· White	50 items	
116.271	2.0 m	· White	50 items	
116.272	3.0 m	· White	30 items	
Individually pa	acked			
116.280	1.5 m	· White	50 items	
H05VV-F 3G 2.50 mm <sup>2</sup> Diameter approx. 10.1 mm				
H05VV-F 3G	2.50 mm <sup>2</sup>		Diameter approx. 10.1 mm	
H05VV-F 3G Without pack			Diameter approx. 10.1 mm	
		· White	Diameter approx. 10.1 mm 50 items	
Without pack	kaging 1.5 m	· White		
Without pack 118.270	1.5 m	· White	50 items	
Without pack 118.270 <b>H05VV-F 5G</b>	1.5 m	· White	50 items	
Without pack 118.270 H05VV-F 5G Without pack	taging 1.5 m 1.5 m 1 2.50 mm <sup>2</sup> taging		50 items  Diameter: approx. 11.3 mm	
Without pack 118.270 H05VV-F 5G Without pack 119.270	xaging 1.5 m  2.50 mm² xaging 1.5 m	·White	50 items  Diameter: approx. 11.3 mm  50 items	

1 item

1 item

1 item

Cooker connecting cable with fork-type lugs PVC, 70°C

· White

· White

· White

Also available in 25 m and 50 m rings

· End 1: 50 mm stripped with end sleeves

1.5 m

2.0 m

5.0 m

119.280

119.281

119.283

· End 2: 110 mm stripped with fork-type lugs M5, 140 mm green/yellow earth conductor





#### Cooker connection socket 16A/380V~

- · Duroplast version for surface or flush mounting
- · Quick and easy to connect thanks to spacious terminal area
- · Clamping range: 0.75-2.5 mm² for 55 mm wall socket



Art. no.	Colour	Unit			
Cooker con	Cooker connection socket				
16A/380V~	16A/380V~				
· For 55 mm wall boxes / height 23 mm					
190.270	· White	20 items			

## Device connection socket 16A/380V~



- · Thermoplastic version for concealed wiring mounting
- · Easy to fit with removable terminal block and snap-lock cover
- · With screw terminal 5 x 2.50 mm² and strain relief
- · For 55 mm wall socket/height 14 mm



Art. no.	Colour	Unit
Appliance j	unction box	
190.271	· White	20 items

# Installation material

#### Earthing contact extension cable, 16A/250V~, PVC, 70°C

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- $\cdot$  End 2: Earthing contact coupling, moulded, with extra shuttering in coupling

Art. no.	Version	Unit
----------	---------	------

Earthing contact extension, white, cable: H05VV-F 3G 1.50 mm²				
341.200S	· 2 m	50 items		
341.201S	·3 m	50 items		
341.202S	· 5 m	30 items		
341.203S	· 10 m	20 items		



#### Spiral earthed contact extension cable, PVC, elongation factor 1:4, 70°C

- $\cdot$  End 1: Central plug with dual earthing contact system, moulded
- · End 2: Earthing contact coupling, moulded

Art. no.	Coil length	Operating length	Version	Unit	
Spiral earth	Spiral earthed contact extension cable, PVC				
H05VV-F3G	H05VV-F 3G 1.50 mm <sup>2</sup> , diameter approx. 8.4 mm, CID: approx. 10 mm, CED: approx. 27 mm				
672.280	500 mm	2000 mm	· White	20 items	
672.281	1000 mm	4000 mm	· White	20 items	



#### Earthing contact supply cable, PVC, max. 16A/250V~, 70°C

- · End 1: Right-angled earthing contact with dual earthing contact system, moulded
- · End 2: 30 mm stripped with end sleeves

Art. no.	Length	Colour	Unit	
H05VV-F 30	G 1.50 mm²,	diameter approx. 8.0 mm		
Without pac	ckaging			
305.274	2.0 m	· White	50 items	
305.275	3.0 m	· White	50 items	
305.276	5.0 m	· White	30 items	
Art. no.	Version		Unit	
Flanged earthing contact plug/angled				
H05VV-F 3G 1.50 mm <sup>2</sup>				
Unbreakable construction with side entry				



· Unbreakable construction, with side entry

911.270	· White	40 items

#### **Earthing contact coupling**

H05VV-F 3G 1.5 mm<sup>2</sup>

 $\cdot$  Small, break-proof design made from plastic

912.270	· White	50 items

#### Earthing contact mounting plug

H05VV-F 3G 0.75/1.0/1.5 mm<sup>2</sup>

- $\cdot$  With dual earthing contact system and nickel-plated contacts, e.g. Germany and France
- · Small, break-proof design with separate strain relief, no parts that can be lost

910.200	· White		10 items
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## Lamp holder, pre-wired

E 27

· 60W plastic E 27 holder; 0.2 m H03W-F2x 0.75 mm²; black; supplied in quantities of 20 only

641.170 · With 2-pin terminal block 20 items

Art. no. Version



2 x 230V~, 50Hz/16 A

924.164

- For connecting two devices with high power consumption (e.g. washing machines and driers)
  - · 1.5 m connector cable with plug
  - · 1 socket outlet with automatic cut-out, power dependent, 1 socket outlet for continuous power
- · Screw-on



#### 10-inch panel (10")

A mounting frame with a standardised width of 10" = 254 mm, with holes for bolting to 10" racks. Used for events equipment, media and laboratory systems and in computer centres. As a rule the panels have a height of 1 height unit (1 U) with a specified height of 1.75" = 44.5 mm.

19-inch panel (19")
A mounting frame with a standardised width of 19" = 482.6 mm, with holes for bolting to 19" racks. Frequently used for events equipment, media and laboratory systems and in computer centres. As a rule the panels have a height of 1 height unit (1 U) with a specified height of 1.75" = 44.5 mm.

#### 4-key keypad

Programmable illuminated buttons for controlling equipment and media.

Audio jack or tip-ring-sleeve (TRS) connector Internationally accepted electrical connector for AC or DC in the low-voltage (SELV - safety extra-low voltage) range. Jack plugs, sockets and couplings are used most typically for audio signals or for connecting a small electronic device to a power supply unit. Jack plugs are often used for connecting headphones to audio equipment. Versions available: 3.5 mm (miniature jack) for portable devices (MP3 players, Discmans etc.), sound cards and small headphones. **6.35 mm (jack)** for stereo systems and electronic music equipment (mixing desks, effects units, synthesisers, keyboards, electric pianos, electric guitars and guitar amplifiers).

#### Bandwidth

The difference between two frequencies that form the limits of a specific, unbroken frequency range between them.

Function in video output devices of switching to a black still frame.

#### BNC connectors - Bayonet Neill Concelman

These are coaxial connectors with a bayonet lock for high frequencies up to approx. 1 GHz, in some cases up to 4 GHz, with a defined wave impedance of 50 or 75 Ω (interchangeable). They are used chiefly in radio and video systems. The BNC design has however also been used for transmitting weak DC and low-frequency AC signals and pulses in laboratory applications because of the shielding of the outer conductor from electrical interference. The coaxial construction thus provides protection against external electric fields. For this reason, connections to measuring devices such as oscilloscopes, frequency counters and function generators generally use BNC-type cables.

In data connection technology the following main categories and classes for equipment performance are generally

accepted.			
Category	Class	MHz	GB
CAT5e	D	100	1
CAT6	E	250	1
CAT6a	E	500	10
CAT7	F	600	10
CAT7a	F	1000	

The difference between category and class is that the individual components such as cable, socket, connector etc. are graded into categories. The overall performance of the sum of these components, i.e. of the complete data network, is referred to as the class. The class of the network as a whole is thus determined by the weakest components. Example: CAT6 cable and plug are connected to a CAT5e socket, the overall network therefore attains only class D. A distinction is made in data connection equipment between shielded and unshielded components. Worldwide, unshielded versions are most commonly used; however, in Germany almost  $100\,\%$  of cabling is shielded. The currently applicable standard for this area of data connection technology is summarised in EN 50173.

#### Cinch (RCA)

For non-standardised connectors for electrical signals, primarily on coaxial cables. Colour code:

Audio white = left analogue channel (sometimes also black); Audio red = right analogue channel;

Orange = digital audio; Video yellow = composite video, analogue unmodulated TV picture signal in baseband (VBS or CVBS);

Video green = Y (brightness); Video blue = Pb (colour difference); Video red = Pr (colour difference)

Coaxial cable is a special type of cable with concentrically arranged conductors for carrying high-frequency signals, such as in TV systems for analogue CVBS or for digital studio signals (DSC).

#### Composite video See Cinch (RCA)

Coaxial cable (COAX)

Control unit See Media control systems

In computer networking, a cross or crossover cable is an eight-wire twisted-pair cable with an RJ45 plug at each end, but where some of the wires have been swapped over in one of the plugs. It is required e.g. where two computers are connected together directly. Instead of a crossove cable, an uncrossed cable can also be used in conjunction with a crossover adaptor to obtain the required crossing of wire pairs. The simplest use of a crossover cable is to link two computers with network cards without necessarily requiring a hub or switch. The two computers thus connected form a complete network on the smallest possible scale. Crossover cables can normally be dispensed with in gigabit Ethernet, since Auto-MDI-X is defined in the standard for this and is supported by most devices. In a crossover cable, the sent data wire is crossed with the received data wire at one end, so that data exchange is possible over a direct connection. If the send and receive wires had not been swapped at one end, no link between the machines would be obtained.

CVBS See Cinch (RCA)

**Display port**A port for conveying image and sound signals (e.g. monitor, DVD player, plasma TV etc.)

DVB-C offers more channels - theoretically up to 500. However, a paid-for cable connection is required to receive the signal. Commercial broadcasters using the digital cable network usually encrypt the signal, which then requires a smart card from the network operator to decode.

DVB-T allows up to 24 TV channels to be received via a conventional domestic TV antenna. The channels are broadcast without encryption and are free of charge. So far, commercial broadcasters have only used DVB-T in urban

## **DVB - Digital Video Broadcasting**By 2010 all radio and TV channels in Germany are expected

to be transmitted via digital video broadcasting (DVB). The transmission paths available are terrestrial frequencies (DVB-T), cable (DVB-C) and satellite (DVB-S). A mobile radio standard (DVB-H) is still at the testing stage. In all cases a special receiver is required to receive the signal.

#### DVI - Digital Video Interface

A digital interface for video signals. In this system the sound has a separate input. The high-definition (HD) formats however use the new HDMI input. There are three different types of digital video interface:

DVI-A transmits analogue signals only;

DVI-I is capable of transmitting both analogue and digital signals, while

**DVI-D** transmits digital signals only. If the new TFT monitor has a DVI-D interface, the old graphics card with analogue VGA output cannot be connected to it.

The European Installation Bus (EIB) is a standard to EN50090 that describes how sensors and actuators should be connected together in a domestic installation. It also defines the communications protocol. The EIB thus controls, for example, lighting and shutters or other shade-providing devices, heating, locking and alarm systems. EIB has subsequently been further developed and been known since 2002 as the KNX standard.

A protocol that controls data transfer in local area networks (LANs). This standard was developed by the Californian Xerox corporation in 1976.

#### F-plug-in connectors

(IEC 60169-24) are coaxial plugs with screw locking designed for high frequencies up to about 5 GHz with a defined wave impedance of 75  $\Omega$ . The most commonly used connector in satellite television systems worldwide.

#### FireWire

The FireWire interface is used for rapid data exchange between a computer and multimedia or other peripheral devices. Thanks to its high transfer rate, FireWire can also be used as an alternative to Ethernet (IP over FireWire).

#### Full HD TV

Full HD models offer TV and video images with 1920 x 1080 pixels - currently the highest pixel number in HDTV broadcasts or high-definition feeds. This picture quality represents five times the resolution of conventional TV pictures. Even when observed close up, the viewer cannot see any kind of pixel structure. Video projections benefit in particular from full HD resolution. The term is mostly used to describe the ability of an HDTV-capable device to output the highest possible HD resolution.

#### Hardware detect

Automatic detection of incoming signals, e.g., if a laptop is connected to an output device while switched on, the output device automatically recognises this newlyconnected device

#### HDMI - High Definition Multimedia Interface

Interface for picture and sound information in HDTV and HD television systems. It enables fully digital transmission of video and digital sound with up to eight channels. The HDCP digital copy-protection system is built in

#### HDTV - High Definition Television

HDTV has significantly higher resolution, shows the picture more sharply and with more detail, and is broadcast with an aspect ratio of 16:9 rather than the traditional 4:3. Resolution is up to  $1920 \times 1080$  pixels. To receive HD pictures, a TV set is required that carries the "HD ready" seal.

Hi-Fi – High Fidelity Hi-Fi (high fidelity) is a quality standard for audio playback equipment

#### Hosiden

See S-video

#### Impedance

Impedance, sometimes also known as AC resistance, states the ratio of electrical voltage across a consumer (component, cable etc.) to the current drawn. Impedance is important when matching high-frequency cables and also in the transmission of electromagnetic waves in free space. If for example the input impedance of a device does not match that of the incoming cable, reflections occur that reduce the energy transmitted and this may result in resonance effects and thus a non-linear frequency response

#### ISDN - Integrated Services Digital Network

International standard for a digital telephone network Allows multiple channels to transmit simultaneously. A basic ISDN connection offers the user two independently available channels for telephone or internet. Bandwidth is 64 kb/s.

#### Keystone

Universal dimensions (19.3 x 14.7 mm) for cutouts for mounting components

#### KNX

KNX technology resulted from the confluence of three European bus standards, the European Installation Bus (EIB), the European Home Systems Protocol (EHS) and Batibus (used in heating/ventilation/climate control) to create a unified technological platform for all areas of home and building systems in the form of an international industry standard. KNX allows central control of practically all components of home and building systems technology, from lighting and heating to alarm systems, and offers advantages of convenience, security and economy for functional buildings as well as in residential settings. The KNX specification was presented by the then newly founded KNX Association in spring 2002. Based on the EIB standard, with which the new technology platform remains fully compatible, KNX emerged from expansions using new configuration mechanisms and transfer media that had originally been developed for Batibus and EHS. By 2003 KNX was ratified by CENELEC, the Brussels-based European committee for electrical standards, as European Standard EN 50090. Shortly afterwards it was ratified by the CEN standards institute under EN 13221-1 as the European standard for the automation of buildings.

#### LAN - Local Area Network

Computer network that links various computers and peripheral devices via cables or wireless over a restricted physical area

#### LC

This connector is similar to the SC but smaller.

#### Loudspeaker connections

Stereo (red + white) screw terminals for audio signals.

#### Media control

Control of video, power, lighting and audio systems in a building. Sound, light and video are controlled by appropriate commands. Media control allows all the devices to be used in a presentation to be linked and controlled in the desired time sequence.

#### Miniature jack

A 3.5 mm jack socket for audio signals (e.g. from laptop or PC to loudspeakers).

#### Mini USB

A compact plug or socket version of the USB standard. This version was developed for devices with restricted space such as mobile telephones and digital cameras.

#### MTRI

An optical connector that accepts two fibres; the junctions are embedded in a common plastic block in the shape of a RJ 45 connector. This design also prevents any confusion of the outward and return line and is easy to insert and to remove. This connector is suitable for single-mode and multi-mode fibres.

#### MUTE

Switching of audio devices to silence.

#### Overvoltage protection with filter

Overvoltage protection - conforms to DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16 A (miniature fuse on request) with varistors, temperature fuse, gas discharge arrester, visual LED function and failure indicator (acoustic signalling also available on request). Mains and frequency filters - conforming to VDE 0565-3:05-2006 for voltage peaks up to 30 MHz, damping diagram on data sheet.

#### OWG - Optical waveguides

Cables made up of, or including, optical fibre conductors with connectors for transmitting optical signals in the visible, ultraviolet or infra-red ranges. Fibre-optic cables form a reasonably pliable medium for transmitting optical signals or even higher-powered optical radiation.

#### PAL - Phase Alternating Line

The conventional television standard in Europe for analogue TV signals with a resolution of 720 x 576 pixels.

#### Potential-free contact

Used for communicating a status between electrical devices. Contact is normally established via a relay or optical coupler. This ensures that the electric circuits of the respective devices remain electrically isolated from one another. This solution is the simplest and safest method for e.g. transmitting digital data electrically.

#### PowerCON

A type of 3-pole power connector with coding and interlocking, most frequently used for stage equipment. The interlock mechanism protects against the plug being accidentally pulled out of its socket.

# PS / 2 interface (PS / 2 connection, PS / 2 port, originally 'auxiliary port'). Commonly used 6-pole serial interface for input devices (e.g. mouse and keyboard) on personal

## Pushbutton: automatic switchoff

Power strips that feature an automatic switchoff device are used to automatically switch off the power to the connected equipment. Pressing the button subsequently restores power to the connected equipment.

#### Pushbutton: stainless steel

For connecting by the user to control equipment and media

#### Pushbutton

Illuminated blue, various types, e.g. in desk control panels for controlling equipment. Rocker buttons are used for up/down control of external devices, e.g. screen, blinds etc.

#### RCA

See Cinch (RCA)

#### RGB signal

In a RGB signal the colours red, green and blue are each transmitted and/or stored in their own channel. RGB signals are used for video transmission e.g. on computers with a VGA interface or in video systems with SCART connections.

#### RJ (registered jack) connectors

These are standardised connectors for telecommunications cables. The standards describe the physical form of plugs and sockets and their contact configurations, and are designated by the letters RJ and a number (e.g. RJ-45), with or without the hyphen. Examples: RJ126P6C/RJ458P8C

#### B.I12

see RJ (registered jack) connectors

#### Router

A device that forwards data packets though various networks. The router serves to calculate the connections between, for example, two local networks (LANs) and automatically establishes the optimum path for the data packets.

#### RS-232

Serial interface standard with 25-pole or 9-pole connector for serial data transmission. Also known as V.24. Both one-to-one pinouts and crossover configurations are commonly used.

#### S-VHS - Super Video Home System

An improved, downward compatible VHS standard for home video-band recording that offers better picture resolution and greater colour accuracy. Horizontal image resolution is some 2/3 better than in VHS. S-VHS is a standard, not a connector. The S-VHS standard signal may however be transmitted via the S-video (Hosiden) connector.

#### S-video / Super Video system

S-video, also known as the Y/C process, designates a special analogue video signal process in which the 'luminance' (brightness) information is transmitted and processed separately from the 'chrominance' (colour information). An example application of S-video is in VHS video recorders.

#### SC

An optical connector used in new LAN installations. The right-angled design can be used for multi-mode and single-mode (monomode) glass fibres. Average insertion loss is about 0.2 dB, maximum approx. 0.4 dB. The advantage of SC over the ST connector is the push-pull design—i.e. the plug locks in automatically when inserted and is released when pulled out. This allows the use of duplex connectors (two connectors linked by a duplex clip) and duplex connections can be inserted or removed simultaneously.

#### Speakon

A connector designed for loudspeakers, offering a robust construction, a 20 A contact current capacity and secure interlocking. Speakon connectors are available in two-pole, four-pole and eight-pole versions; the 2-pole and 4-pole types are mutually compatible. The eight-pole version has a larger physical size. The number of contacts available in a single connector makes it possible to connect multi-channel passive systems, satellite subwoofer systems or multi-channel monitor loudspeaker constellations via a single cable.

#### S

This connector (also known as a BFOC connector) is common in LANs and is suitable for single-mode and multi-mode optical fibre cables. Average insertion loss is about 0.3 dB, maximum approx. 0.5 dB.

#### Switch

A network component for linking multiple computers or network segments within a local area network (LAN). Switches analyse network traffic and make logical decisions.

#### TOSLINK

A standardised optical waveguide connection system for optical signals in the range up to about 20 Mbps. Used to carry digital audio signals between audio devices.

#### TrueHD

Audio standard for high-resolution media such as Blu-ray and HD DVD. TrueHD allows 100% loss-free compression of audio data. The codec allows a data rate of up to 18Mbps.

#### USB - Universal Serial Bus

USB is used to connect a variety of devices together by cable. USB is a bit-serial bus on which the individual bits of a data packet are transmitted one after another. Devices with USB can be connected to one another while operating, since the newly connected devices are automatically detected. USB is used to connect, for example, printers, digital cameras, MP3 players and hard disks to a computer.

#### VBS

See Cinch (RCA)

#### VGA / audio switch

Switches between multiple input sources (e.g. several laptops) as required and forwards the signal to output media devices (e.g. projector, monitor, loudspeaker).

#### VGA - Video Graphics Array

refers to a computer graphics standard (EISA, 1987) that defines specific combinations of image resolution and number of colours (colour bit depth) as well as repeat frequency. VGA allows a resolution of 640 x 480 pixels, while VGA cables allow a higher resolution. The 15-pole VGA socket is used to transmit image signals (e.g. from laptop or PC monitor to a projector, VGA switch box etc.)

#### XLR

Industry standard for electrical plug connections. Used in professional public-address and recording studio systems. 3-pole XLR connectors are used for analogue microphone and loudspeaker signals and for digital AES/EBU signals. 5-pole connectors are used for DMX digital lighting control data.



#### M type with earthing contact 35° / 90°

**Earthing contact** 

## Earthing contact socket insert, 16A/250V~ max. 3600W

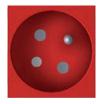
- · Conforms to DIN VDE 0620-1 Design DIN 49 440
- $\cdot$  Colours: black, red, white, grey
- · set at 35°
- · Module width 42.5 mm
- $\cdot \ \, \text{For use in: Germany, Austria, Netherlands, Italy (some regions), Spain, Portugal, Sweden, Norway,} \\$ Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea, Indonesia, Iceland, Chile, Bulgaria



#### M-UTE 35° / 90°

#### Earthing contact socket insert UTE / France, 16 A/250 V~ max. 3600 W

- · Conforms to NF C 61-314
- · Shuttered
- · Colours: black, red, white, grey
- · set at 35°
- · Module width 42.5 mm
- · For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic



#### M-UTE for IT red

**France** 

Switzerland

#### Earthing contact socket insert, UTE / France, for IT, red, 16 A / 250 V~ max. 3600 W

- · Conforms to NF C 61-314
- · Shuttered and with additional plug fuse
- · Colour: red
- · set at 35°
- · Module width 42.5 mm
- · For use in: France, Belgium, Poland, Monaco, Slovakia, Czech Republic



#### **M-CH** 0° / 90°

#### Earthing contact socket insert, Switzerland CH, 10 A/250 V~ max. 2500 W

- · Conforms to SEV 1011:98
- · Colours: black, red
- · set at 0°
- · Module width 35 mm
- · For use in: Switzerland, Liechtenstein



#### M-USA 0°

USA

## Earthing contact socket insert, USA, 15A/115V~ max.

- · Conforms to UL · Colour: black
- · set at 0°
- · Module width 32 mm
- · For use in: USA, Canada, Mexico, South America (some regions)



## M-UK FUSE 45°

## Earthing contact socket insert, UK, individually fused 3.15A/240V~ or 5A/240V~

- · Conforms to BS 5733:1995
- · Individually fused, either 3.15 A or 5 A
- ·Shuttered
- · Colour: black
- · set at 45°
- · For use in: UK as per standard for office furniture



## M-UK 90°

UK

#### Earthing contact socket insert, UK, 13A/240V~

- · Conforms to BS 1363
- · Shuttered
- · Colour: black
- · set at 90°
- · Module width 54 mm
- $\cdot$  For use in: UK, Ireland, Singapore, Malaysia, Cyprus, Malta, Hong Kong, Dubai



#### M-IT 35°

Earthing contact socket combination/Italy 10A/230V or 16A/230V~

- · Shuttered
- · Colour: black
- · set at 35°
- $\cdot$  Module width 45 mm
- $\cdot$  For use in: Italy, South Tyrol, South America (some regions)



Italy

Australia

China

Denmark

Denmark

## M-AUS 90° Socket outlet combination, Australia, 10A/250V

- · Conforms to AS/NZS 3112
- · Colour: black
- · set at 90°
- · Module width 45 mm
- · For use in: Australia, New Zealand, Argentina



#### M-CN 90°

#### Earthing contact socket insert, China, 10A/250V

- · Conforms to CCC
- · Colour: black
- · set at 90°
- · Module width 42.5 mm
- · For use in China



#### M-DK 35°

#### Earthing contact socket insert, Denmark, domestic, 10A/250V~

- · Conforms to DS/IEC 60884-1:2004
- · Colour: black
- · set at 35°
- · Module width 42.5 mm
- · For use in: Denmark



#### M-DK EDV 35°

#### Earthing contact socket insert, Denmark, for IT, 10A/250V~

- · Conforms to DS/IEC 60884-1:2004
- · Colour: black
- · set at 35°
- · Module width 42.5 mm
- · For use in: Denmark



#### M-IEC 10A

#### Earthing contact socket insert, non-heating appliance socket, 10A/250V~

- · Conforms to IEC 320
- · Colour: black
- · set at 90°
- $\cdot \ \text{Module width 42.5 mm}$
- · Can be used internationally



## M-IEC 16A

## Earthing contact socket insert, non-heating appliance socket, 16A/250V~

- · Conforms to IEC 320
- · Colour: black
- · set at 90°
- · Module width 42.5 mm
- $\cdot$  Can be used internationally



#### M-GST18i3

#### Earthing contact socket insert GST18i3 16A/250V~

- · Conforms to DIN VDE 0628
- · Colours: black, red, white, pebble grey
- · set at 90°
- · Module width 42.5 mm
- · Can be used internationally





#### 3-pole plug systems with earthing contact

Suitable for all European countries except parts of Switzerland, Italy and UK.



#### Right angle plug with earthing contact Type 30

With dual earthing contact system

Suitable for (e.g.):



- · H03VV-F 3G 0.75 mm<sup>2</sup>
- · H05VV-F 3G 0.75 mm<sup>2</sup>
- · H05VV-F 3G 1.00 mm<sup>2</sup>
- · H05VV-F 3G 1.50 mm<sup>2</sup>
- · H07BQ-F 3G 1.50 mm<sup>2</sup>
- · H05BQ-F 3G 0.75 mm<sup>2</sup>



#### Central plug with earthing contact Type 32

With dual earthing contact system and splashwater protection

Suitable for (e.g.):

- · H05VV-F 3G 1.50 mm<sup>2</sup>
- · H05RR-F 3G 0.75 mm<sup>2</sup>
- · H05RR-F 3G 1.50 mm<sup>2</sup>
- · H07RN-F 3G 1.00 mm<sup>2</sup>
- · H07RN-F 3G 1.50 mm<sup>2</sup>
- · H07BQ-F 3G 1.50 mm<sup>2</sup>
- · H07RN-F 3G 2.50 mm<sup>2</sup>



#### Central plug with earthing contact Type 31

With dual earthing contact system

Suitable for (e.g.):

- · H03VV-F 3G 0.75 mm<sup>2</sup>
- · H05VV-F 3G 1.00 mm<sup>2</sup>
- · H05VV-F 3G 1.50 mm<sup>2</sup>
- 05RV4-F 3G 0.75 mm<sup>2</sup>
- · H03V4V4-H 3G 1.00 mm<sup>2</sup>
- · H03RT-H 3G 0.75 mm2



#### Earthing contact coupling

Type 34

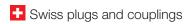
Suitable for (e.g.):



- · H05VV-F 3G 1.50 mm<sup>2</sup>
- · H05VV-F 3G 2.50 mm<sup>2</sup>
- · H07RN-F 3G 1.00 mm<sup>2</sup>
- · H07RN-F 3G 1.50 mm<sup>2</sup>







SEV-tested version.



#### Swiss plug Type 11, 10A

#### 2-pole

Suitable for (e.g.):

- · H03VVH2-F 2 x 0.75 mm<sup>2</sup>
- · H05WH2-F 2 x 1.0 mm2
- · H05VV-F 2 x 1.00 mm<sup>2</sup>



#### Swiss plug

Type 12, 10 A

3-pole Suitable for (e.g.):

- · H05VV-F 3G 1.00 mm2
- H05VV-F 3G 1.50 mm<sup>2</sup>



## **Swiss coupling**

Type 11 D

2-pole

Suitable for (e.g.):

- $\cdot$  H03VVH2-F 2 x 0.75 mm<sup>2</sup>
- · H03VV-F 2 x 0.75 mm<sup>2</sup>
- · H05VV-F 2 x 1.00 mm<sup>2</sup>





## Swiss plug

Type 23, 10 A / 16 A

3-pole Suitable for (e.g.):

· H05VV-F 3G 1.00 mm<sup>2</sup>

H05VV-F 3G 1.50 mm<sup>2</sup>



#### International plugs

#### Plug with protection class 0 Type 44

2-pole

Suitable for (e.g.):

- $\cdot$  H03VV-F 2 x 0.75 mm<sup>2</sup>
- · H05VV-F 2 x 0.75 mm<sup>2</sup>
- · H05VV-F 2 x 1.00 mm<sup>2</sup>
- $\cdot$  H05VV-F 2 x 1.50 mm<sup>2</sup>



#### **UK** plug Type 45-2, 13A

2-pole, moulded, with 13A fuse fitted

Suitable for (e.g.):

- · H03VVH2-2 x 0.75 mm<sup>2</sup>
- · H05VVH2-2 x 0.75 mm<sup>2</sup>
- $\cdot$  H03VV-F 2 x 0.75 mm<sup>2</sup>
- · H05VV-F 2 x 0.75 mm<sup>2</sup>
- $\cdot$  H05VV-F 2 x 1.00 mm<sup>2</sup>



#### **UK** plug Type 45, 13A

3-pole, moulded, with 13 A fuse fitted

Suitable for (e.g.):

- $\cdot$  H03VV-F 3G 0.75 mm $^2$
- $\cdot$  H05VV-F 3G 0.75 mm $^2$
- $\cdot$  H05VV-F 3G 1.00 mm $^2$
- $\cdot$  H05VV-F 3G 1.50 mm $^2$



#### USA plug UL/CSA

Type 46-2







Type 46





Type 50, 16A





## Italy plug

2-pole

Type 49, 10A 3-pole

Cable types to suit your requirements.

Suitable for (e.g.):

- · H05VV-F3G 0.75mm<sup>2</sup>
- · H05VV-F3G 1.00mm<sup>2</sup>



#### Italy plug 3-pole

Suitable for (e.g.):

· H05VV-F3G 1.50mm<sup>2</sup>



#### Denmark plug

Type 47, 10A 3-pole



3-pole

Suitable for (e.g.):

- · H05VV-F3G 0.75mm<sup>2</sup>
- · H05VV-F3G 1.00mm<sup>2</sup>
- · H05VV-F3G 1.50mm<sup>2</sup>



## Denmark right angle plug Type 47W, 10A



Suitable for (e.g.):

- · H05VV-F3G 0.75mm<sup>2</sup>
- · H05VV-F3G 1.00mm<sup>2</sup>
- · H05VV-F3G 1.50mm<sup>2</sup>



#### **Denmark IT plug**

Type 48, 10A



Suitable for (e.g.):

- · H05VV-F3G 0.75mm<sup>2</sup>
- · H05VV-F3G 1.00mm<sup>2</sup>
- · H05VV-F3G 1.50mm<sup>2</sup>



#### Denmark right angle plug Type 48W, 10A 3-pole

- Suitable for (e.g.): · H05VV-F3G 0.75mm<sup>2</sup>
- · H05VV-F3G 1.00mm<sup>2</sup>
- · H05VV-F3G 1.50mm<sup>2</sup>





#### 2-pole plug systems without earthing contact

Suitable for all European countries except parts of Switzerland, Italy and UK.



#### Euro flat plug Type 20 F

Suitable for (e.g.):

- $\cdot$  H03VVH2-F 2 x 0.75 mm<sup>2</sup>
- · H05VVH2-F 2 x 0.75 mm²



# Euro flat plug

Suitable for (e.g.):

- $\cdot$  H03VVH2-F 2 x 0.75 mm<sup>2</sup>
- · H05VVH2-F 2 x 0.75 mm<sup>2</sup>
- · H03VV-F 2 x 0.75 mm<sup>2</sup>
- $\cdot$  H05VV-F 2 x 0.75 mm<sup>2</sup>



## Contour plug

Type 24 G

Suitable for (e.g.):

- · H05RN-F 2 x 1.00 mm<sup>2</sup>
- $\cdot$  H07RN-F 2 x 1.00 mm<sup>2</sup>
- · H07RN-F 2 x 1.50 mm<sup>2</sup>
- $\cdot$  H05BQ-F 2 x 1.00 mm<sup>2</sup>
- $\cdot \, \text{H07BQ-F} \, 2 \, \text{x} \, \, 1.50 \, \, \text{mm}^{\text{2}}$



## Contour plug

Type 24 K

Type 20

Suitable for (e.g.):

- · H05VV-F 2 x 0.75 mm<sup>2</sup>
- $\cdot$  H05VV-F 2 x 1.00 mm<sup>2</sup>



## Contour plug

Type 24 S

Splashwater protected, impact resistant

Suitable for (e.g.):

- · H07RN-F 2 x 1.00 mm<sup>2</sup>
- · H07RN-F 2 x 1.50 mm<sup>2</sup>
- · H05BQ-F 2 x 1.0 mm<sup>2</sup>
- · H05BQ-F 2 x 1.5 mm<sup>2</sup>

#### IEC appliance connectors



Art are	Number of
Art. no.	pages
110.3118	316
116.270	270, 364
116.271	270, 364
116.272	270, 364
116.280	270, 364
118.270	270, 364
119.203	364
119.270	270, 364
119.271	270, 364
119.272	270, 364
119.274	270, 364
119.280	270, 364
119.281	270, 364
119.283	364
130.080	279
130.081	279
130.2400	316
130.2402	317
131.080	279
131.081	279
132.080	279
132.081	279
133.080	279
133.081	279
150.070	279
150.072	279
150.0203	317
150.0205	317
150.0211	317
151.070	279
151.072	279
190.270	270, 325, 364
190.271	325, 364
190.273	326
202.174	271
202.175	271
202.184	271
202.185	271
202.274	271
202.275	271
202.284	271
202.285	271
211.174	271
211.274	271
233.184	285
233.185	285
233.186	285
233.284	285
233.285	285
233.286	285

Art. no.	Number of pages
240.187	272
240.189	272
241.175	272
241.275	272
244.875	277
244.876	277
246.174	277
246.175	277
246.176	277
246.185	277
246.186	277
246.375	277
246.376	277
248.174	277
248.175	277
248.176	277
248.185	277
248.186	277
249.875	277
249.876	277
251.173	274
251.183	274
290.0608	317
300.000	25, 221, 257
300.001	25, 221, 257
300.002	25, 221, 257
300.003	25, 221, 257
300.004	25, 221, 257
300.005	25, 221, 257
300.006	25, 258
300.007	25, 258
300.008	258
300.011	25, 257
300.012	25, 257
300.030	258
300.049	258
300.050	258
301.174	273
301.175	273
301.274	273
301.275	273
301.974	273
302.174	272
302.274	272
304.174	273
304.175	273
304.176	273
304.184	273
304.185	273
304.274	273

Art. no.	Number of pages
304.275	273
304.276	273
304.284	273
304.285	273
304.974	273
305.174	273
305.175	273
305.176	273
305.184	273
305.185	273
305.274	273, 365
305.275	273, 365
305.276	273, 365
305.284	273
305.285	273
305.974	273
305.975	273
311.273	274
312.174	274
312.175	274
312.275	274
313.176	274
317.000	108
317.001	108, 355
317.006	108
317.007	108
317.100	109
317.101	109
317.102	109
317.117	108
320.174	278
320.175	278
320.176	278
320.185	278
320.186	278
321.174	278
321.175	278
321.176	278
322.174	278
322.175	278
322.176	278
322.184	278
322.185	278
322.186	278
323.185	278
323.186	278
327.875	278
327.876	278
328.875	278
328.876	278

Art no	Number of
Art. no.	pages
329.700	60
329.701	60
329.702	60
329.703	60
329.704	60
329.705	60
329.800	61
329.801	61
329.802	61
329.806	61
329.3009	48
329.3010	48
329.3012	48
329.3013	48
329.3032	63
329.3033	63
329.3036	63
329.3037	63
329.3056	48
329.3057	48
329.3058	48
329.3059	48
329.3060	65
329.3061	65
329.3062	65
329.3063	65
329.3104	48, 52, 63, 65
329.3105	48, 52, 63, 65
329.3111	52
329.3112	52
329.3113	52
329.3114	52
329.3115	52
329.3117	52, 65
329.9001	73
329.9002	73
329.9003	73
329.9007	73
329.9008	73
329.9009	73
329.9010	73
329.9011	73
329.9012	73
329.9013	73
329.9014	73
329.9015	73
329.9016	73
329.9022	75
220 0024	75
329.9024	

	Number of
Art. no.	Number of pages
330.070	243
330.071	243
330.072	243
330.073	243
330.100	253
330.100F	255
330.101	253
330.101F	255
330.102	253
330.103	253
330.104	253
330.104F	255
330.105	253
330.106	253
330.106F	255
330.107	254
330.140	254
330.142	254
330.153	254
330.300	254
331.000	243
331.006	243
331.007	243
331.010	243
331.011	243
331.012	243
331.013	243
331.014	243
331.032	245
331.035	245
331.040	245
331.055	244
331.071	243
331.072	243
331.074	245
331.089	246
331.0202	22
332.071	245
333.000	22
333.001	22
333.002	22
333.004	22
333.005	22
333.071	247
333.0122	20
333.400	19
333.401	19
333.402	19
333.403	19

Art. no.	Number of pages
333.404	19
333.405	19
333.406	19
333.407	20
333.408	20
333.410	20
333.411	20
333.412	20
333.413	20
333.416	19
333.417	20
333.418	21
333.419	21
333.505	19
333.506	19
333.534	19
333.535	19
333.536	19
333.537	19
333.538	20
333.539	19
333.540	20
333.600	23
333.601	23
333.602	23
333.604	23
333.605	23
333.616	19
333.804	21
333.805	21
333.815	19
333.819	21
333.830	19
333.838	21
333.840	21
333.1007	100, 357
333.1008	100
333.4061	21
333.4063	21
333.4065	21
333.4066	21
334.001	249
334.003	249
334.006	249
335.002	248
335.007	248
335.009	248
335.050	268
335.051	268

Art. no.	Number of
	pages
336.003	138
336.004	138
336.006	138
336.014	138
336.015	138, 219
336.039	137
336.046	137
336.065	138
336.067	137
336.072	137
336.079	137
336.088	137
336.600	137, 218
336.601	137, 218
336.603	137
336.604	137, 218
336.606	137
336.626	137
338.0080	103
338.0081	103
338.0200	87
338.0201	87
338.0203	96
338.0204	96
338.0205	96
338.0206	96
338.0210	87
338.0212	87
338.0214	96
338.0219	87
338.0221	87
338.0227	96
338.0230	87
338.0231	87
339.1000	124
339.1001	124
339.1001	124
339.1004	124
339.1005	124
339.1006	124
339.1018	122
339.1020	122
341.184	285
341.185	285
341.186	285
341.189	285
341.200S	284, 365
341.201S	284, 365
341.202S	284, 365
341.203S	284, 365
341.281	285
341.284	285

Art. no.	Number of pages
341.285	285
341.286	285
341.287	285
341.288	285
341.289	285
341.870	284
341.879	284
341.880	312
343.170	287
343.171	287
343.172	287
343.173	287
343.174	287
343.175	287
343.176	287
343.177	287
343.179	287
343.191	287
343.192	287
343.370	286
343.371	286
343.372	286
343.373	286
344.170	288
344.171	288
344.172	288
344.174	288
344.175	288
346.170	288
346.171	288
346.172	288
347.170	288
347.171	288
347.172	288
348.171	288
348.172	288
349.006	297
349.007	297
349.008	296
349.009	296
349.010	296
349.011	296
349.012	297
349.013	299
349.017	295
349.018	295
349.019	295
349.020	295
349.027	297
349.028	297
349.029	297
349.035	297

Art. no.	Number of pages
349.044	295
349.045	295
349.046	295
349.183	297
349.184	295
349.185	295
349.203	325
349.300	298
349.301	298
349.302	298
349.303	298
349.304	298
349.305	298
349.310	299
349.311	299
351.174	275
351.974	275
351.984	275
352.174	275
352.175	275
353.175	275
353.185	275
353.975	275
353.985	275
354.127	31, 43, 49, 53, 57, 77
356.120	31, 43, 49, 53, 57, 77
356.127	31, 43, 49, 53, 57, 77
356.169	31, 43, 49, 53, 57, 77
356.171	31, 43, 49, 53, 57, 77
356.172	31, 43, 49, 53, 57, 77
356.174	278
356.175	278
356.183	31, 43, 49, 53, 57, 77
356.900	31, 43, 49, 53, 57, 77
356.901	31, 43, 49, 53, 57, 77
356.902	31, 43, 49, 53, 57, 77
356.903	31, 43, 49, 53, 57, 77
356.904	31, 43, 49, 53, 57, 77
356.905	31, 43, 49, 53, 57, 77
356.906	31, 43, 49, 53, 57, 77
356.907	31, 43, 49, 53, 57, 77
356.908	31, 43, 49, 53, 57, 77
356.909	31, 43, 49, 53, 57, 77
356.910	31, 43, 49, 53, 57, 77

Art. no.	Number of
	pages 31, 43, 49, 53,
356.911	57, 77
356.918	31, 43, 49, 53, 57, 77
356.935	31, 43, 49, 53, 57, 77
356.936	31, 43, 49, 53, 57, 77
356.937	31, 43, 49, 53, 57, 77
356.938	31, 43, 49, 53, 57, 77
356.939	31, 43, 49, 53, 57, 77
356.940	31, 43, 49, 53, 57, 77
356.941	31, 43, 49, 53, 57, 77
356.974	275
356.975	275
356.1721	31, 43, 49, 53, 57, 77
356.1722	31, 43, 49, 53, 57, 77
356.1723	31, 43, 49, 53, 57, 77
356.1731	31, 43, 49, 53, 57, 77
356.1732	31, 43, 49, 53, 57, 77
356.1733	31, 43, 49, 53, 57, 77
356.1735	31, 43, 49, 53, 57, 77
356.1971	31, 43, 49, 53, 57, 77
356.1972	31, 43, 49, 53, 57, 77
356.1973	31, 43, 49, 53, 57, 77
356.1974	31, 43, 49, 53, 57, 77
356.1975	31, 43, 49, 53, 57, 77
361.174	276
361.184	276
372.174	276
372.184	276
373.174	276
375.000	199, 225
375.003	199, 225, 347, 349
375.004	200
375.007	199, 225, 347, 349
375.016	199
375.017	199
375.018	199
375.038	199, 225
375.039	199, 225
375.040	200
375.044	199
375.045	199
375.046	199
375.050	199, 225

Art. no.	Number of pages
375.053	199, 225
375.055	199, 225
375.064	200
375.068	199
375.069	199
375.070	199
375.071	200
375.072	200
375.073	200
375.075	199, 225, 357
375.076	200
375.079	200
375.080	199
375.081	199
375.082	199
375.083	199
375.097	225
375.098	225
375.101	200, 225
375.102	200, 225
375.105	200, 225
375.106	200, 225
375.115	199, 225
375.116	199, 225
375.117	199, 225
375.127	199
375.128	199
375.129	199
375.500	200, 225
375.501	200
375.502	139
375.503	200
375.504	201
375.505	201
375.506	201
375.507	201
375.514	201
375.515	200
375.516	200
375.517	201
375.518	200
375.529	139
381.109	295, 321
381.121K	262
381.130K	262
381.141S	266
381.144S	266
381.146K	262
381.147K	262
381.148K	262

381.149K 262 381.150K 262 381.151K 262 381.152K 262 381.221K 262 381.230K 262 381.241S 266, 363 381.244S 266 381.246K 262 381.247K 262 381.249K 262 381.250F 263 381.250F 263 381.250K 262 381.250K 262 381.250K 262 381.251K 262 381.252K 262 381.252K 262 381.252K 262 381.252T 263 381.251Z 263 381.251Z 263 382.204 267 382.205 267 384.272S 266 385.170 261 387.171 261 387.172 261 387.172 261 387.270 261 387.271 261 387.272 261 387.272 261 388.271 261 388.271 261 388.270 261	Art. no.	Number of pages
381.151K         262           381.152K         262           381.221K         262           381.230K         262           381.230K         266           381.241S         266, 363           381.244K         262           381.247K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.252K         262           381.251K         262           381.250K         263           381.250K         263           381.250K         263           381.250K         263           381.250K         263           382.20G         267           382.20G         267           382.20G         261           385.17O         261           387.27O         261           387.27S         266	381.149K	
381.152K         262           381.221K         262           381.230K         262           381.241S         266, 363           381.244S         266           381.246K         262           381.249K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.251K         262           381.250K         262           381.251K         262           381.250K         262           381.250K         262           381.251K         262           381.250K         262           381.250K         262           381.250K         262           381.250K         262           381.250K         263           381.250K         263           381.250K         263           381.251ZK         263           382.204         267           382.205         267           384.272S         266           387.171         261           387.270         261 </td <td>381.150K</td> <td>262</td>	381.150K	262
381.221K         262           381.230K         262           381.241S         266, 363           381.244S         266           381.247K         262           381.248K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.250K         263           382.20F         263           382.20F         267           382.20F         266           385.17O         261           387.171         261           387.270         261           387.271S         266, 363           387.271S         266, 363           387.272         261           388.171         261	381.151K	262
381.230K         262           381.241S         266, 363           381.244S         266           381.246K         262           381.247K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.252K         262           381.252K         262           381.250K         262           381.251K         262           381.250K         263           381.250K         263           381.250K         263           381.250K         262           381.250K         262           381.250K         263           381.250K         263           381.250K         263           381.250K         263           381.250K         263           382.20F         267           382.20F         266           385.17O         261           387.27O         261           387.271S         266, 363           387.271S         266, 363           387.274S         363           388.171         261 <td>381.152K</td> <td>262</td>	381.152K	262
381.241S         266, 363           381.244S         266           381.246K         262           381.247K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.251K         262           381.250K         262           381.251K         262           381.250K         263           381.250K         263           381.250K         263           382.20G         267           384.272S         266           385.170         261           387.270         261           387.270S         266, 363           387.271         261           387.272S         266           388.171         261           388.171         261	381.221K	262
381.244S         266           381.246K         262           381.247K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.251K         262           381.2501K         262           381.2501K         262           381.2501K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.271         261           387.271         261           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.271         261           388.271         261	381.230K	262
381.246K         262           381.247K         262           381.249K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.250K         262           381.250K         262           381.250K         263           382.20G         267           382.20G         267           382.20G         261           385.27O         261           387.27O         261           387.27O         261           387.27I         261           387.27S         363           387.27S         363           387.27S         363           388.17D         261           388.17D         261	381.241S	266, 363
381.247K         262           381.248K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.251K         262           381.250K         262           381.250K         262           381.250K         263           381.250K         263           381.251ZK         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.171         261           387.172         261           387.270         261           387.270         261           387.270S         266, 363           387.271         261           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261 <tr< td=""><td>381.244S</td><td>266</td></tr<>	381.244S	266
381.248K         262           381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.252K         262           381.252K         262           381.2501K         262           381.2501K         262           381.2501K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.271         261           387.271         261           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.271         261           388.271         261           388.271         261           388.371         261	381.246K	262
381.249K         262           381.250F         263           381.250K         262           381.251K         262           381.252K         262           381.2501K         262           381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.271         261           387.272         261           387.274S         363           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.371         261           388.471         261	381.247K	262
381.250F         263           381.250K         262           381.251K         262           381.252K         262           381.2501K         262           381.2507K         263           381.2507K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.271         261           387.271S         266, 363           387.271S         266, 363           387.272         261           387.274S         363           387.274S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271F         263, 363           388.271         261           388.371         261           388.371         261           388.371         261 <td>381.248K</td> <td>262</td>	381.248K	262
381.250K         262           381.251K         262           381.252K         262           381.450K         262           381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.271S         266, 363           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.371         261           388.371         261           388.471         261           388.471         261           388.471 <td< td=""><td>381.249K</td><td>262</td></td<>	381.249K	262
381.251K         262           381.252K         262           381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.270         261           387.271         261           387.271S         266, 363           387.271         261           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.371         261           388.471         261	381.250F	263
381.252K         262           381.450K         262           381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           387.170         261           387.171         261           387.270         261           387.270         261           387.271         261           387.271         261           387.271         261           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.371         261           388.471         261           <	381.250K	262
381.450K         262           381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           385.270         261           387.171         261           387.172         261           387.270         261           387.271         261           387.271S         266, 363           387.271S         266, 363           387.272         261           387.274S         363           388.170         261           388.171         261           388.172         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.371         261           388.471         261	381.251K	262
381.2501K         262           381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           385.270         261           387.171         261           387.172         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	381.252K	262
381.2507K         263           381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271F         263, 363           388.271F         263, 363           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261 <td>381.450K</td> <td>262</td>	381.450K	262
381.2512K         263           382.204         267           382.205         267           384.272S         266           385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271F         263, 363           388.271F         263, 363           388.271         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	381.2501K	262
382.204         267           382.205         267           384.272S         266           385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	381.2507K	263
382.205         267           384.272S         266           385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	381.2512K	263
384.272S         266           385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	382.204	267
385.170         261           385.270         261           387.170         261           387.171         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271         261           388.271         261           388.271         261           388.271         261           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	382.205	267
385.270         261           387.170         261           387.171         261           387.172         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	384.272S	266
387.170         261           387.171         261           387.172         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271         261           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	385.170	261
387.171         261           387.172         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270         261           388.271         261           388.271         261           388.271F         263, 363           388.271         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261	385.270	261
387.172         261           387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.272         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	387.170	261
387.270         261           387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	387.171	261
387.270S         266, 363           387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.272         261           388.371         261           388.371         261           388.471         261           388.471         261           388.471         261           388.471         261           388.471         261	387.172	261
387.271         261           387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.172         261           388.270         261           388.270F         263, 363           388.271         261           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           388.471         261           389.471         261           392.180         290	387.270	261
387.271S         266, 363           387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.172         261           388.270         261           388.270F         263, 363           388.271         261           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           388.471         261           392.180         290	387.270S	266, 363
387.272         261           387.274S         363           387.275S         363           388.170         261           388.171         261           388.270         261           388.270F         263, 363           388.271F         263, 363           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           388.471         261           392.180         290	387.271	261
387.274S     363       387.275S     363       388.170     261       388.171     261       388.172     261       388.270     261       388.270F     263, 363       388.271     261       388.271F     263, 363       388.272     261       388.371     261       388.471     261       388.471     261       388.471     261       392.180     290	387.271S	266, 363
387.275S 363 388.170 261 388.171 261 388.172 261 388.270 261 388.270F 263, 363 388.271 261 388.271F 263, 363 388.271 261 388.371 261 388.371 261 388.471 261 392.180 290	387.272	261
388.170     261       388.171     261       388.172     261       388.270     261       388.270F     263, 363       388.271     261       388.271F     263, 363       388.272     261       388.371     261       388.471     261       392.180     290	387.274S	363
388.171         261           388.172         261           388.270         261           388.270F         263, 363           388.271         261           388.271F         263, 363           388.272         261           388.371         261           388.471         261           388.471         261           392.180         290	387.275S	363
388.172     261       388.270     261       388.270F     263, 363       388.271     261       388.271F     263, 363       388.271F     263, 363       388.272     261       388.371     261       388.471     261       392.180     290	388.170	261
388.270 261 388.270F 263, 363 388.271 261 388.271F 263, 363 388.272 261 388.371 261 388.471 261 392.180 290	388.171	261
388.270F 263, 363 388.271 261 388.271F 263, 363 388.272 261 388.371 261 388.471 261 392.180 290	388.172	261
388.271     261       388.271F     263, 363       388.272     261       388.371     261       388.471     261       392.180     290	388.270	261
388.271F 263, 363 388.272 261 388.371 261 388.471 261 392.180 290	388.270F	263, 363
388.272     261       388.371     261       388.471     261       392.180     290	388.271	261
388.371 261 388.471 261 392.180 290	388.271F	263, 363
388.471 261 392.180 290	388.272	261
392.180 290	388.371	261
	388.471	261
392.181 290	392.180	290
	392.181	290
392.182 291	392.182	291
392.183 291	392.183	291
392.187 294	392.187	294

Art. no.	Number of
	pages
392.189	294
392.191	294
393.002	294
393.006	294
394.170	269
394.175	269
394.179	288
394.180	269
394.181	303
394.182	269
394.183	302
394.184	302
394.187	302
394.188	301
394.190	301
394.191	301
395.180	290
395.181	290
396.181	290
396.182	291
396.183	291
396.184	292
396.187	291
397.003	290
398.180	291
398.181	291
398.182	291
398.183	290
398.186	291
398.200	293
398.200	312
399.000	289
399.003	289
399.004	289
399.005	289
399.006	289
399.007	289
399.009	289
399.010	289
399.012	289
399.180	292
399.181	292
399.182	292
399.186	292
399.189	293
420.0012	251
420.0013	251
420.0014	251
420.0017	251

	Normala
Art. no.	Number of pages
420.0018	251
420.0019	251
420.0021	251
420.0022	251
509.000	222
509.004	213
509.005	213
509.006	215
509.007	215
509.008	215
509.009	214
509.013	217
509.014	217
509.015	222
624.871	283
641.170	308, 324, 365
641.171	308, 324
654.180	281
654.181	281
654.182	281
654.280	281
654.281	281
654.282	281
654.283	283
654.284	283
663.170	283
663.171	283
663.270	283
663.271	283
665.870	283
665.871	283
672.180	284
672.181	284
672.280	284, 365
672.281	284, 365
681.880	282
681.881	282
681.882	282
682.880	282
682.881	282
682.882	282
683.880	282
683.881	282
683.882	282
684.880	282
684.881	282
684.882	282
685.880	282
685.881	282
685.882	282

Art. no.	Number of pages
692.180	281
692.181	281
692.182	281
692.280	281
692.281	281
692.282	281
693.180	282
693.181	282
693.182	282
693.280	282
693.281	282
693.282	282
693.283	283
720.000	303
720.006	302
720.013	308
720.020	307
720.021	307
720.022	307
720.025	305
720.026	305
720.027	305
720.028	305
720.029	305
720.030	305
720.031	305
720.035	301
720.035	307
720.036	301
720.037	301
722.009	308
730.004	309
730.005	326
730.008	326
740.000	328
740.001	328
740.002	327
740.003	327
740.004	327
740.005	328
740.006	328
740.010	328
740.011	328
740.012	328
740.015	327
740.017	327
770.000	226
770.001	226
770.002	78
800.0050	70

Art. no.	Number of pages
800.0051	78
800.0052	78
800.0053	31
800.0053	49
800.0053	53
800.0053	57
800.0053	76
800.0100	30
800.0101	30
800.0102	30
800.0104	30
800.0105	30
800.0107	30
800.0109	30
800.0111	30
800.0113	30
800.0114	30
800.0119	30
800.0120	20
800.1258	21
800.1259	21
800.1260	21
800.1261	21
800.1262	21
800.1263	21
800.1264	21
800.1265	21
800.1656	30
800.1657	30
800.2054	37
800.2055	37
800.2063	37
800.2065	37
800.2067	37
800.2068	37
800.2078	37
800.2134	37
800.2135	37
802.3004	56
802.3004-S	56
802.3005	56
802.3005-S	56
802.3006	56
802.3007	56
802.3008	56
802.3009	56
802.3010	56
802.3011	56
802.3011	56
802.3012-S	56
002.3012-3	30

Art. no.	Number of pages
802.3013	56
802.3013-S	56
802.3014	56
802.3015	56
802.3016	56
802.3022	59
802.3023	59
802.3024	59
802.3024-S	59
802.3025	59
802.3025-S	59
820.004	235
820.005	235
820.006	235
820.007	235
820.012	235
820.013	235
820.014	235
820.015	235
820.028	42
820.029	42
820.030	42
820.031	42
820.032	42
820.033	42
820.044	42
820.045	43
820.046	43
820.047	43
820.048	43
820.049	43
820.050	43
820.051	43
820.052	43
820.053	235
820.054	235
821.000	239
821.001	239
821.002	239
821.003	239
821.008	239
821.009	239
821.010	239
821.011	239
821.017	239
821.030	239
821.031	239
821.032	239
821.033	239
852.101	314

Art. no.	Number of
	pages
852.102	314
852.103	314
852.104	314
852.9821	313
900.002	318
900.003	318
900.004	318
900.005	318
900.010	318
900.011	318
900.012	318
900.013	318
900.180	293
900.181	293
900.187	293
900.1077	315
902.000	122
902.001	122
902.002	122
902.003	123
902.004	122
902.005	122
902.006	122
902.007	123
902.008	122
902.009	122
902.010	122
902.011	122
902.012	123
902.017	123, 223
902.018	123, 223
902.019	123
902.024	122
902.0192	123
902.0048	122
902.0049	122
902.0050	122
902.0161	123
902.0182	123
902.0183	123
902.0184	123
902.0185	123
902.200	131
902.201	132
902.202	132
902.203	131
902.204	131
902.205	132
902.206	131
902.207	131

Art. no.	Number of pages
902.208	131
902.209	132
902.211	131
902.213	131
902.214	131
902.228	132
902.229	133
902.203	133
902.231	132
902.232	132
902.300	131
902.301	133
902.302	133
902.400	131
902.401	132
902.402	132
902.403	131
902.404	131
902.405	132
902.406	131
902.407	131
902.408	131
902.409	132
902.411	131
902.428	132
902.429	133
902.430	133
902.431	132
902.432	132
902.500	131
902.501	133
902.502	133
902.1017	122
902.2048	131
902.4048	131
903.003	151
903.107	183, 197
903.108	183, 197
903.109	183, 197
903.110	183, 197
903.400	179
903.500	179
903.600	179
903.800	179
903.2000	178
903.3000	178
903.3001	178
904.000	116
904.000	359
904.001	116

Art. no.	Number of pages
904.001	116
904.002	116
904.003	116
904.004	116
904.004	359
904.005	116
904.006	116
904.007	116
904.008	117, 359
904.009	117
904.010	117
904.011	117
904.012	359
904.020	116
904.021	116
904.022	116
904.023	116
904.024	116
904.025	116
904.026	116
904.027	116
904.045	116
904.100	286
904.900	117, 359
906.000	137, 219
906.001	137
906.002	137
906.003	137, 219
906.005	127, 138, 220
906.009	137
906.031	137, 219
906.039	221
906.0055	137
906.0059	137
906.0060	137
906.067	138, 219
906.071	137
906.080	137
906.0113	137
906.150	137
906.1075	137
906.1086	137
906.1306	137
909.000	92
909.001	93
909.002	92
909.003	92
909.004	92
909.005	93
909.006	93

Art. no.	Number of pages
909.007	93
909.008	93
909.009	93
909.010	92
909.011	92
909.012	93
909.013	93
909.014	93
909.015	93
909.016	93
909.017	92
909.018	92
909.019	93
909.020	93
909.0023	92
909.025	92
909.0026	93
909.0027	93
909.0028	93
909.028	92
909.029	92
909.0029	93
909.033	93
909.050	93
909.0056	92
909.0057	92
909.0058	92
909.058	92
909.0059	92
909.0060	92
909.065	92
910.002	318
	295
910.105	295
910.170	319
910.174	322
910.175	322
910.176	322
910.177	324
910.178	322
910.179	322
910.182	322
910.200	318, 365
910.270	319
910.275	322
910.276	322
910.277	322
910.282	322
910.470	319

	Number of
Art. no.	pages
910.971	319
910.1011	302
911.000	96
911.001	96
911.002	96
911.003	96
911.004	96, 357
911.005	96
911.025	99
911.026	99
911.028	99
911.029	99
911.170	319
911.171	319
911.172	319
911.270	319, 365
911.271	319
911.272	319
911.273	319
911.470	319
911.500	103
911.501	103
911.502	103
911.503	103
911.900	97
911.901	97
911.903	97
911.904	97
911.905	97
911.906	97
911.907	97
911.908	97
911.909	97
911.910	97
911.913	97
912.000	100, 194
912.001	101, 194
912.002	100
912.003	100
912.004	101
912.005	101
912.006	101
912.007	101
912.008	101
912.009	100
912.010	100
912.011	101
912.012	101
912.013	101
912.014	101

Art. no.	Number of
	pages
912.015	100
912.017	101
912.018	101
912.019	101
912.021	101
912.022	101
912.023	100
912.024	101
912.025	101
912.035	101
912.037	100
912.045	100
912.0055	100
912.0080	100
912.0156	100
912.0156	357
912.0167	100
912.0168	101
912.0169	101
912.170	319
912.0171	100
912.0172	101
912.173	322
912.0221	101
912.270	319, 365
912.273	322
912.274	322
912.0280	101
912.470	319
912.971	319
913.169	323
913.170	321
913.171	320
913.172	320
913.173	320
913.174	320
913.175	321
914.670	314
914.672	315
915.000	108, 355
915.001	108, 355
915.003	108
915.004	108
915.005	108
915.006	108
915.022	105
915.022	351
915.170	323
915.171	323

Art. no.	Number of pages
915.172	323
915.173	323
915.174	324
915.175	324
915.270	323
915.271	323
915.500	105, 353
915.501	105, 353
915.502	105
915.503	105, 353
915.504	105
915.970	323
915.971	323
915.973	323
916.000	109
916.001	108
916.002	109
916.003	108
916.004	109
916.005	108
916.007	109
916.010	109
916.023	109
916.024	109
916.025	109
916.030	109
916.0039	109
916.0040	109
916.0041	109
916.0042	109
916.047	109
916.048	109
916.059	108
916.060	108
916.061	108
916.062	108
916.063	108
916.082	109
916.086	109
916.091	108
916.111	353, 355
916.112	353, 355
916.170	326
916.0361	109
916.0510	109
916.0601	108
916.0611	108
916.0821	109
916.970	326
916.1110	109
-	

Art. no.	Number of pages
916.1129	109
916.1192	353, 355
916.1193	353, 355
917.000	152, 224
917.001	152, 224
917.002	157
917.003	156
917.005	157
917.006	156
917.007	157
917.008	157
917.009	173
917.010	173
917.011	163
917.012	171, 224
917.018	170
917.019	170
917.021	164
917.022	166
917.023	167
917.024	168
917.026	165
917.027	165
917.028	165
917.030	166
917.031	171, 224
917.032	156
917.033	156
917.035	166
917.036	167
917.037	170
917.038	156
917.039	157
917.040	173
917.041	173
917.045	162
917.046	172
917.047	172
917.051	157
917.052	157
917.056	172, 181
917.057	152
917.060	127, 172, 224
917.061	152
917.062	152
917.064	150
917.065	150
917.066	150
917.067	151
917.068	151

Art. no.	Number of pages
917.069	163
917.070	163
917.071	162
917.072	163
917.073	162
917.074	163
917.075	170
917.076	170
917.077	163
917.078	164
917.081	165
917.083	166
917.085	165
917.088	166
917.089	167
917.090	166, 224
917.091	167
917.093	172, 182
917.094	169
917.095	168
917.096	168
917.098	168
917.099	168
917.100	169
917.101	168
917.102	169
917.110	169
917.111	173
917.112	171
917.113	171
917.114	169
917.116	171
917.117	166
917.120	154, 345, 169
917.134	162, 183
917.135	172
917.139	151
917.140	151
917.140	170
917.143	164
917.145	164
917.150	162
917.152	172
917.153	157
917.157	153
917.157	167
917.158	152
917.159	152
917.160	162
917.161	165

Art. no.	Number of pages
917.162	165
917.163	167
917.164	167
917.165	168
917.167	173
917.168	150
917.169	150
917.170	323
917.171	324
917.172	324
917.173	324
917.182	170
917.183	164
917.193	172, 183
917.214	153
917.300	171
917.301	171
917.302	171
917.400	154
917.401	154
917.1203	154, 198
917.1205	154, 198
918.001	125
918.002	97
918.003	79, 196
918.006	79, 196
918.007	79, 196
918.008	79, 196
918.009	183, 196
918.010	198
918.011	198
918.012	198
918.013	198
918.014	198
918.015	197
918.017	197
918.018	197
918.024	198
918.025	139
918.033	79, 153,
918.034	196,224 79, 153, 196
918.035	153
918.040	153, 164, 345
918.045	156
918.066	183, 196
918.067	183, 196
918.068	183, 196
918.069	183, 196
918.071	156, 224
	,

Art. no.	Number of pages
918.072	156, 224
918.073	156
918.074	156
918.081	154, 198
918.082	154, 198
918.083	154, 198
918.106	133
918.107	133
918.110	133
918.111	133
918.170	324
918.171	325
918.176	154, 198
918.177	154, 198
918.178	154, 198
918.0191	197
918.0192	197
918.0193	197
918.0201	197
918.900	111, 113, 117, 347, 349, 359
919.003	313
919.005	313
919.014	311
919.015	311
919.016	311
919.018	311
919.169	323
919.171	320
919.176	320
919.177	321
919.178	320
919.179	321
919.183	312
919.189	312
919.190	312
919.273	263
919.284	312
919.371	286
919.1000	195
919.1100	194
919.1101	194
919.1751	321
919.2000	194
919.2001	194
919.2002	194
919.2003	194
919.2004	194
919.2005	194
921.000	315
921.003	315

Art. no.	Number of
	pages
921.004	315
921.010	315
921.011	315
921.012	315
921.271	267
922.0071	141
922.082	141
922.083	141
922.096	141
922.097	141
922.098	141
922.0111	141
922.0181	141
922.0231	141
923.000	362
923.001	362
923.002	362
923.006	361
923.007	361
923.008	361
923.010	361
923.011	361
923.012	361
923.170	324
923.174	321
923.270	324
923.0011	362
924.001	330
924.002	330
924.004	330
924.005	330
924.009	330
924.010	330
924.011	330
924.012	330
924.023	331
924.024	331
924.025	331
924.026	331
924.027	331
924.028	331
924.029	331
924.031	331
924.032	331
924.033	331
924.034	331
924.036	331
924.037	331
924.001	001

	Number of
Art. no.	pages
924.038	331
924.039	331
924.043	331
924.044	331
924.045	331
924.046	331
924.047	332
924.048	332
924.049	332
924.050	332
924.051	332
924.052	332
924.053	332
924.054	332
924.055	332
924.056	333
924.057	333
924.058	333
924.059	333
924.060	333
924.061	333
924.062	333
924.063	333
924.064	333
924.065	333
924.066	333
924.067	333
924.068	333
924.069	333
924.071	332
924.072	332
924.073	334
924.074	334
924.075	334
924.076	334
924.077	334
924.078	334
924.079	334
924.080	334
924.081	334
924.082	334
924.090	335
924.091	335
924.092	335
924.094	336
924.095	336
924.096	336
924.097	336
924.098	336
924.099	336

Art. no.	Number of pages
924.101	330
924.103	332
924.109	336
924.111	335
924.112	335
924.113	335
924.114	335
924.115	338
924.116	338
924.118	338
924.120	338
924.127	338
924.128	336
924.129	337
924.131	337
924.132	337
924.133	337
924.134	337
924.136	337
924.137	338
924.138	338
924.140	338
924.141	338
924.142	338
924.143	338
924.144	338
924.145	338
924.146	338
924.149	339
924.151	339
924.152	339
924.153	339
924.154	339
924.155	339
924.156	339
924.157	340
924.158	340
924.159	340
924.160	340
924.0161	335
924.161	340
924.0162	335
924.162	340
924.163	340
924.164	269, 341, 365
924.167	341
924.168	341
924.171	341
924.172	330
924.174	341
924.201	330

Art. no.	Number of pages
924.203	332
924.224	309, 329
924.225	309, 329
924.231	309, 329
924.250	309, 329
924.259	331
924.260	331
924.261	331
924.264	333
924.265	334
924.266	334
924.267	334
924.327	331
924.329	341
924.330	341
924.332	309, 329
924.334	309, 329
924.336	334
924.338	335
924.340	335
924.342	335
924.343	335
924.344	335
924.349	269, 341
924.350	309, 329
924.351	288
924.352	309, 329
924.3491	269, 341
924.1016	188
924.1018	190
924.1038	190
924.1041	189
924.1046	190
924.4000	188
924.4001	188
924.4002	188
924.4003	189
924.4004	189
924.4009	188
924.5002	191
924.5003	191
924.6000	191
925.0022	90
925.0023	90
925.0034	90
925.0044	90
925.0047	90
925.0049	90
925.100	90
925.101	90
925.500	91

Art. no.	Number of pages
925.501	91
925.800	91
925.801	91
928.002	113, 349
928.003	113, 349
928.004	113, 349
928.005	113, 349
928.006	113
928.007	113, 349
928.008	113, 349
928.009	113, 349
928.010	113, 349
928.017	113, 349
928.020	113, 349
928.024	113, 349
928.026	113, 349
928.035	349
928.900	113, 349
928.901	351
928.902	351
930.016	203
930.017	203
930.018	203
930.019	203
930.020	204
930.021	204
930.022	203
930.023	203
930.024	204
930.025	204
930.026	204
930.027	204
930.028	204
930.029	204
930.030	203
930.031	203
930.032	203
930.033	203
930.034	205
930.035	205
930.036	205
930.044	205
930.045	205
930.049	203
930.050	203
930.054	205
930.057	205
930.058	203
930.059	203
930.060	206
930.061	206

Art. no.	Number of pages
930.062	206
930.063	206
930.064	206
930.065	206
930.090	204
930.091	204
930.092	204
930.094	205
930.096	205
930.097	205
930.098	204
930.099	204
930.100	204
930.120	125, 233
930.137	204
930.138	205
930.139	205
930.143	153
930.164	205
930.165	205
930.166	204
930.180	125
930.182	125
930.183	125, 233
930.900	207
930.901	207
930.902	207
930.903	207
930.904	207
930.905	207
930.906	207
930.907	207
930.908	207
930.909	207
930.910	207
930.911	207
931.000	111, 347
931.001	111, 347
931.002	111, 347
931.003	111, 347
931.008	111, 347
931.009	111, 347
931.016	111, 347
931.021	111, 347
931.900	111, 347
940.024	139
940.040	79, 196
940.040	79, 196
940.041	
	152, 224
940.047	183, 196
940.048	183, 196

Art. no.	Number of pages	
940.049	198	
940.052	79, 196	
940.053	79, 196	
940.057	152, 224	
940.070	201	
940.071	201	
940.073	201	
940.074	201	
940.083	152, 345	
940.085	152, 224	
940.089	79	
940.096	76, 139, 222	
940.097	139	
940.099	93	
940.103	49, 53, 57, 76	
940.104	197	
940.105	197	
940.108	139	
940.112	152	
940.140	78	
940.141	76	
940.142	76	
940.143	31, 49, 53, 57, 76	
940.166	78	
940.167	78	
950.000	326	
950.002	326	
950.003	326	
950.004	326	

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