Witteveen
Project-Inrichting.nl

Facility systems

Manufacturing

IT power distribution

Electrical materials

COMPLETE CATALOGUE 2013 / 2014

Innovative products for the professional user.

It's electric.

BACH
MANN

Bachmann International.
Build on the best connections.

Bachmann makes connections. To ensure that 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 components 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 tap into new scope for 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.

INNOVATIONS. 4

Blu≡Net
Efficient Power Management

NEW

POWER FRAME COVER

Page 34

TWIST

Page 36

ELEVATOR

Page 38
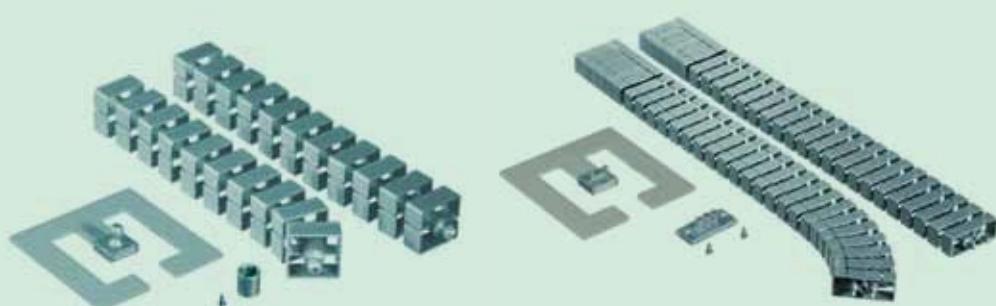
KABELSCHLANGE®

Page 138

NEW

FUSE BOX

Page 181

BLUENET MONITORED

Page 199

BLUENET POWER UNIT

Page 204

BLUENET CEE OUTLET BOX

Page 206

RACK FIX

Page 209

NEW

*USB Charger
2.150 mA*

**PRIMO with
USB charger**

Page 222

**TRADESMAN'S STRIP
with USB charger**

Page 232

*USB Charger
2.150 mA*

**KITCHEN
CONNECTION BOX**

Page 247

NEW
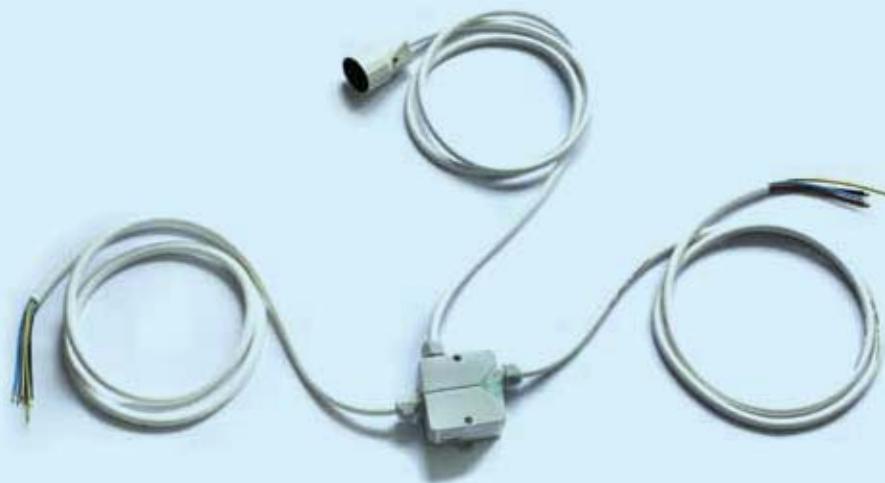
POWER DISTRIBUTORS

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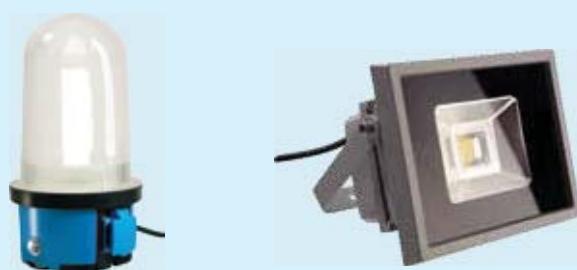
LAMPS

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MEASURING AND SWITCHING

Page 291

INTERBÄR SWITCHES

Page 317

Facility systems

Desk connection panels

Custom modules

Media technology

LanLight®, the smart supply system

Consolidation points

SLIDE
Functionality at the touch of a button

SLIDE opens and closes at the touch of a button. When the unit opens, the integrated electronics slides the cut-out in the desk or table down beneath its surface, providing free access to the power and data supply modules. When the unit is closed, the desk or table cut-out is flush with the surface making for a very practical solution.

Electronically controlled torque limitation protects users and cables. There is no risk of fingers or power supply cables becoming trapped or crushed. The SLIDE is available in various configurations and power strips are easily interchangeable.

SLIDE – the unobtrusive way of releasing functions when they are needed.
Simply at the touch of a button.

The advantages at a glance	• Opens and closes at the touch of a button • Can withstand weight when closed • Fully integrated into the top of your desk or table • Torque limitation ensures safety • Power strip can be interchanged easily

Art. no.	Version

SLIDE housing — **Black**

913.000
· Module for mounting in desk or table systems
· Complete kit incl. motion mechanism, control electronics and fixing materials
· Incl. mounting frame for 2 power strips (see page 16)
· Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE
· Suitable for installation in desk or table tops (thickness must be adapted to 8 mm)
· Incl. cut-out drawing for preparation of desk or table top
· Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm

SLIDE housing illuminated — **Black**

913.005
· Mounting frame for fitting in desk or table systems
· Complete kit incl. motion mechanism, control electronics and fixing materials
· With 2 blue LED striplights that light up when open
· Incl. mounting frame for 2 power strips (see page 16)
· Incl. stainless steel button with 2.0 m control cable and plug for controlling the SLIDE
· Suitable for installation in desk or table tops (thickness must be adapted to 8 mm)
· Incl. cut-out drawing for preparation of desk or table top
· Dimensions (L x W x H): approx. 725 x 340.5 x 70.3 mm

You will find power strips suitable for Slide, Conference and Top Frame on page 20/21

SLIDE – a user-friendly solution even at the installation stage.

All set for quick fitting
The SLIDE module screws onto the underside of your tabletop or desktop. The screw fixtures are designed for table or desk tops up to 20 mm thick. If the thickness is more than 20 mm you will need to rout the area around the SLIDE module housing down to 20 mm.
The dimensions of the sliding panel in the tabletop are approx. (L x W) 302.5 x 236 mm. The built-in frame for the socket outlets is attached to the SLIDE module using the screws included in the scope of supply. Power strips (short version) can also be attached to this built-in frame and interchanged if required. You will find power strips on page 20/21.

Sealed cables can also be supplied
The SLIDE module's moving carriage is opened and closed using a pushbutton. The carriage itself can have an "elongated slot" so that cables can be routed even when the unit is closed. Customers can choose whether to also include this slot in the table or desk top through the design of the cut-out.

Electronics for safety
As soon as a resistance is felt by the moving "carriage", the electronics will bring it to a halt. This prevents fingers and cables getting trapped, avoiding possible injuries or damage.

Ideal for conference and training desks and 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, press with your thumb to release the magnetic catch and the opening flap swings up. Once you have connected your notebook, projector, microphone, etc. the flap can be closed again. The narrow closing flap opposite adapts to the inserted cables - nothing is squashed and the elegant appearance of the desk or table is preserved.

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. Where installed under a desk or table, the opening and closing flaps are flush with the table or desk top. As we can supply flaps on request in almost any coating and even ready for veneer finishing, CONFERENCE is able to meet the most stringent of requirements in terms of elegant looks and harmonious design.

The configuration of CONFERENCE data connections can be freely selected. 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 advancements in communication technology for many years to come.

The advantages at a glance	• Integrated into the top of the desk or table
	• Simply press with your thumb to open
	• Flap can be closed with cables connected
	• For both surface mounting (e.g. if retrofitting) and flush mounting
	• Can be installed flush with the top of the desk or table
	• Suitable for veneer finishing
	• Configuration can be freely selected (see custom modules from page 66)
	• Complete power strip can be quickly interchanged

Simply press with your thumb 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
Setting a design standard

CONFERENCE – as versatile as you need.

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

Frameless
Conference under-table mounting frames (frameless) are fitted from the underside of the tabletop. Thus only the pivoting flaps are visible on the tabletop. The necessary drawings containing the special details of the table or desk cut-out are supplied with the unit or can be found in the download area at www.bachmann.com. If required, the flaps can be removed from the frame by means of the integrated bayonet catch. You can also custom match the flaps to the finish of your tabletop by gluing on a suitable veneer (this is not done ex works).

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

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

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

Art. no.	Version
CONFERENCE built-in frame, long	**Moonstone metallic**
338.0200	· 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	**Moonstone metallic**
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
CONFERENCE built-in frame, long	**RAL9006, silver grey**
338.0221	· 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	**RAL9006, silver grey**
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	**Chrome effect finish**
338.0212	· 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	**Chrome effect finish**
338.0210	· 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 frameless

Art. no.	Version
CONFERENCE under-table built-in frame, long	**RAL9006, silver grey**
338.0230	· Dimensions (visible surface): approx. 442.5 x 119 mm · Built-in depth: 107 mm
CONFERENCE under-table built-in frame, short	**RAL9006, silver grey**
338.0231	· Dimensions (visible surface): approx. 261.5 x 119 mm · Built-in depth: 107 mm

TOP FRAME is the new power and data supply solution for conference facilities. With its completely recessable cover, power and data can be conveniently accessed from any seat around the table. The balanced geometry of TOP FRAME fits elegantly into the tabletop and allows it to be fitted with high-quality veneers.

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

With its surround frame, TOP FRAME is also suitable for retrofitting. The power strips can of course be interchanged in a flash and can be equipped with Bachmann's flexible custom modules.

TOP FRAME is available in various versions:
in EV1 anodised aluminium or powder-coated in RAL 9006. Other surface finishes are available on request. A veneer of up to 0.6 mm can also be glued to the flap without the dimensions of the cut-out having to be changed.

The power strip clips into the frame without tools. There is a short version with 4 modules and a long version with 8 modules to suit both TOP FRAME solutions.

The advantages at a glance	• Access to power supply and data from any seat
	• Silent opening
	• Integrated into the top of the desk or table
	• Can be installed flush with the top of the desk or table
	• Version with surround frame suitable for retrofitting
	• Suitable for veneer finishing
	• Configuration can be freely selected
	• Complete power strip can be quickly interchanged

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

TOP FRAME

Perfect elegance

TOP FRAME frameless

· Includes fixing accessories

Art. no.	Version

TOP FRAME base	**Black**
Top Frame base without flap, black powder-coated housing	
925.100	· 4-way · Dimensions (L x W x H): approx. 300 x 92 x 98 mm
925.101	· 8-way · Dimensions (L x W x H): approx. 482.5 x 92 x 98 mm

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 · for mounting on TOP FRAME base (art. no. 925.101)

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

TOP FRAME cover	**EV1 anodised**
Top Frame EV1 anodised cover, with fixing screws	
925.0022	· 4-way · for mounting on TOP FRAME base (art. no. 925.100)
925.0023	· 8-way · for mounting on TOP FRAME base (art. no. 925.101)

TOP FRAME with frame

· Includes fixing accessories

Art. no.	Version

TOP FRAME	**RAL 9006**
Asymmetrical surround frame, short - for 4-way power strip	

925.500	· Aluminium flap RAL 9006, black powder-coated housing
	· Dimensions (L x W x H): approx. 340.5 x 162 x 98.35 mm

TOP FRAME	**RAL 9006**
Asymmetrical surround frame, long - for 8-way power strip	

925.501	· Aluminium flap RAL 9006, black powder-coated housing
	· Dimensions (L x W x H): approx. 583 x 162 x 110 mm

TOP FRAME	**RAL 9006**
Symmetrical surround frame, short - for 4-way power strip	

925.800	· Aluminium flap RAL 9006, black powder-coated housing
	· Dimensions (L x W x H): approx. 400.5 x 192 x 98.35 mm

TOP FRAME	**RAL 9006**
Symmetrical surround frame, long - for 8-way power strip	

925.801	· Aluminium flap RAL 9006, black powder-coated housing
	· Dimensions (L x W x H): approx. 583 x 192 x 98.35 mm

4-way power strips for Slide / Conference / Top Frame

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

Art. no.	Version

CUSTOM	**4-way: 3 x custom modules + power socket outlet**	**Length: approx. 260 mm**

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

	Art. no.	Version
🇩🇪	909.002	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
	909.025	· 1 French / UTE socket outlet, child-proof, black, set at 35°
🇨🇭	909.028*	· 1 Swiss / CH socket outlet, black, set at 0°
🇮🇹🇩🇪	909.065*	· 1 Italian / earth contact combination, black, set at 35°

CUSTOM	**4-way: 2 x custom modules + power socket outlets**	**Length: approx. 260 mm**

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

	Art. no.	Version
🇩🇪	909.003	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
	909.010	· 2 French / UTE socket outlets, child-proof, black, set at 35°
🇨🇭	909.017	· 2 Swiss / CH socket outlets, black, set at 0°
🇮🇹🇩🇪	909.029*	· 2 Italian / earth contact combination, black, set at 35°

CUSTOM	**4-way: 1 x custom module + power socket outlets**	**Length: approx. 260 mm**

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

	Art. no.	Version
🇩🇪	909.004	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
	909.011	· 3 French / UTE socket outlets, child-proof, black, set at 35°
🇨🇭	909.018	· 4 Swiss / CH socket outlets, black, set at 0°
🇮🇹🇩🇪	909.058*	· 3 Italian / earth contact combination, black, set at 35°
🇬🇧	909.0023*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°

CUSTOM	**4-way: 4 x custom modules**	**Length: approx. 260 mm**

Anodised aluminium profile; without power connection

Art. no.	Version
909.000	· without socket outlets

USB CHARGER	CUSTOM	**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

	Art. no.	Version
🇩🇪	909.0056	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
		· 1 x USB double charger, 1 x custom module
	909.0059	· 2 French / UTE socket outlets, child-proof, black, set at 35°
		· 1 x USB double charger, 1 x custom module

8-way power strips for Conference / Top Frame

NEW

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

Art. no.	Version

USB CHARGER	CUSTOM	**8-way: 1 x USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets**	**L: approx. 444 mm**

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

	Art. no.	Version
🇩🇪	909.0057	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
		· 1 x USB double charger, 4 x custom modules
	909.0060	· 3 French / UTE socket outlets, child-proof, black, set at 35°
		· 1 x USB double charger, 4 x custom modules
🇬🇧	909.0058	· 3 UK 3.15 A individually fused, child-proof, black, set at 45°
		· 1 x USB double charger, 2 x custom modules

* 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 custom modules + power socket outlet — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.005	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
909.012	· 2 French / UTE socket outlets, child-proof, black, set at 35°
909.033*	· 2 Swiss / CH socket outlets, black, set at 0°

8-way: 5 x custom modules + power socket outlet — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.006	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
909.013	· 3 French / UTE socket outlets, child-proof, black, set at 35°
909.0029*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°

8-way: 4 x custom modules + power socket outlet — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.007	· 4 socket outlets with earthing contact, child-proof, black, set at 35°
909.014	· 4 French / UTE socket outlets, child-proof, black, set at 35°
909.019*	· 5 Swiss / CH socket outlets, black, set at 0°
909.050*	· 4 Italian / earth contact combination, black, set at 35°
909.0028	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°

8-way: 3 x custom modules + power socket outlet — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.008	· 5 socket outlets with earthing contact, child-proof, black, set at 35°
909.015	· 5 French / UTE socket outlets, child-proof, black, set at 35°
909.020*	· 6 Swiss / CH socket outlets, black, set at 0°
909.0027*	· 3 UK 3.15 A individually fused, child-proof, black, set at 45°

8-way: 2 x custom modules + power socket outlet — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; power input: GST18i3 plug, power output: GST18i3 socket

909.009	· 6 socket outlets with earthing contact, child-proof, black, set at 35°
909.016	· 6 French / UTE socket outlets, child-proof, black, set at 35°
909.0026	· 4 UK 3.15 A individually fused, child-proof, black, set at 45°

8-way: 8 x custom modules — Length: approx. 444 mm — **CUSTOM**
Anodised aluminium profile; without power connection

909.001	· without socket outlets

CONFERENCE guide rail set

Art. no.	Version

CONFERENCE guide rail set — **Black**
For power strips (pages 6 - 7)

940.099	· Guide rail, plastic, black
	· Incl. 2 countersunk head screws 2.9 x 13 mm with Torx to DIN 7982

* No storage type

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 table or desk top. Minimal depth also means no restriction on leg movement under the desk or table, even where the units are fitted near the edge. Furthermore, a wide range of standard surface finishes ensures a high level of design freedom.

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

Configuration of CONI data connections can be freely selected (see custom modules from page 66). 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 advancements of tomorrow.

The advantages at a glance	• Integrated into the top of the desk or table
	• Minimum built-in depth, robust frame design
	• Integrated brush insert for closing once cables have been connected
	• Configuration can be freely selected (see custom modules from page 66)
	• Complete power strip can be quickly interchanged
	• Suitable for retrofitting

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.

CONI
Integrated functionality

CONI built-in frame, short and long version

Built-in depth is 56 mm, suitable for desk or table top thicknesses of 10 mm and above. The R5 corner radius facilitates flush mounting in desks or tables.

The 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.

CONI built-in frame short
Outer dimensions: approx. 248 x 151 mm

CONI built-in frame long
Outer dimensions: approx. 386.5 x 151 mm

Art. no.	Version
CONI short	**Silver grey**
338.0203	· Silver-grey similar to RAL9006
CONI long	**Silver grey**
338.0205	· Silver-grey similar to RAL9006
CONI short	**Anthracite**
338.0204	· Anthracite
CONI long	**Anthracite**
338.0206	· Anthracite
CONI short	**Chrome-plated**
338.0214	· Chrome-plated
CONI long	**Chrome-plated**
338.0227	· Chrome-plated
CONI short	**Satin white**
911.000	· Satin white RAL9010
CONI long	**Satin white**
911.001	· Satin white RAL9010
CONI short	**Black**
911.002	· Black RAL9005
CONI long	**Black**
911.003	· Black RAL9005
CONI short	**Stainless steel**
911.004	· Ground stainless steel
CONI long	**Stainless steel**
911.005	· Ground stainless steel

CONI bracket

· For mounting CONI power strips without using a built-in frame, can be installed e.g. under a desk or table top 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 mounting high	
918.002	· Black
	· 2 pcs in plastic bag
	· Distance between socket outlet profile and floor: 30 mm from floor to top edge
	· Power strip: 74 mm

CONI holder

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

Art. no.	Version
CONI holder	
911.910	· Version for Coni mounting frame, short
911.913	· Version for Coni mounting frame, long

CONI brushes

Art. no.	Version
CONI brush strip short	
911.900	· Red
911.901	· Blue
911.902	· White
911.903	· Yellow
911.904	· Black

Art. no.	Version
CONI brush strip long	
911.905	· Red
911.906	· Blue
911.907	· White
911.908	· Yellow
911.909	· Black

3-way power strips for CONI

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

Art. no.	Version

CUSTOM | **3-way: 2 x custom modules + power socket outlet** | **Length: approx. 217 mm**

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

	Art. no.	Version
🇩🇪	912.002	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
🇫🇷	912.009	· 1 French / UTE socket outlet, child-proof, black, set at 35°
🇨🇭	912.016	· 1 Swiss / CH socket outlet, black, set at 0°
🇮🇹🇩🇪	912.0055*	· 1 Italian / earth contact combination, black, set at 35°

CUSTOM | **3-way: 1 x custom module + power socket outlets** | **Length: approx. 217 mm**

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

	Art. no.	Version
🇩🇪	912.003	· 2 socket outlets with earthing contact, black, set at 35°
🇫🇷	912.010	· 2 French / UTE socket outlets, child-proof, black, set at 35°
🇨🇭	912.015	· 3 Swiss / CH socket outlets, black, set at 0°
🇨🇭🇩🇪	912.037*	· 1 socket outlet with earthing contact, black, set at 35°
		· 1 Swiss / CH socket outlet, black, set at 0°
🇬🇧	912.045*	· 2 UK 3.15 A individually fused, child-proof, black, set at 90°

CUSTOM | **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)

	Art. no.	Version
🇩🇪	912.023*	· 1 socket outlet with earthing contact, black, set at 35°
		· 1 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

	Art. no.	Version
🇩🇪	333.1008	· 2 socket outlets with earthing contact, black, set at 35°
		· 2 CAT5e RJ45, front: socket / rear: socket

3-way: Power socket outlets | **Length: approx. 217 mm**

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

	Art. no.	Version
🇩🇪	333.1007	3 socket outlets with earthing contact, black, set at 35°

CUSTOM | **3-way: 3 x custom modules** | **Length: approx. 217 mm**

Anodised aluminium profile; without power connection

Art. no.	Version
912.000	without socket outlets

Art. no.	Version

USB CHARGER **CUSTOM** | **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

	Art. no.	Version
🇩🇪	912.0167	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
		· 1 x USB double charger (5.2 V/2.15 A), 1 x custom module
🇩🇪	912.0156	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
		· 1 x USB double charger (5.2 V/2.15 A)
🇫🇷	912.0171	· 1 French / UTE socket outlet, child-proof, black, set at 35°
		· 1 x USB double charger (5.2 V/2.15 A), 1 x custom module

NEW

* No storage type

6-way power strips for CONI

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

Art. no.	Version
6-way: 5 x custom modules + power socket outlet	**Length: approx. 356 mm**
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug	
912.004	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
6-way: 4 x custom modules + power socket outlet	**Length: approx. 356 mm**
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug	
912.005	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
912.011	· 2 French / UTE socket outlets, child-proof, black, set at 35°
912.017	· 3 Swiss / CH socket outlets, black, set at 0°
912.0125*	· 1 UK 3.15 A individually fused, child-proof, black, set at 45°
6-way: 3 x custom modules + power socket outlet	**Length: approx. 356 mm**
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug	
912.006	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
912.012	· 3 French / UTE socket outlets, child-proof, black, set at 35°
912.018	· 4 Swiss / CH socket outlets, black, set at 0°
912.022*	· 3 UK 3.15 A individually fused, child-proof, black, set at 90°
912.0124*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°
6-way: 2 x custom modules + power socket outlet	**Length: approx. 356 mm**
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug	
912.007	· 4 socket outlets with earthing contact, child-proof, black, set at 35°
912.013	· 4 French / UTE socket outlets, child-proof, black, set at 35°
912.019	· 5 Swiss / CH socket outlets, black, set at 0°
912.035*	· 1 socket outlet with earthing contact, black, set at 35°
	· 3 Swiss / CH socket outlets, black, set at 0°
912.0123	· 3 UK 3.15 A individually fused, child-proof, black, set at 45°
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 socket outlets with earthing contact, child-proof, black, set at 35°
912.014	· 5 French / UTE socket outlets, child-proof, black, set at 35°
912.021*	· 4 UK 3.15 A individually fused, child-proof, black, set at 90°
912.0122	· 4 UK 3.15 A individually fused, child-proof, black, set at 45°
6-way: 3 x custom modules + 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 socket outlet with earthing contact, child-proof, black, set at 35°
	· 2 socket outlets with earthing contact, child-proof, red, set at 35°
6-way: 2 x custom modules + 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)	
912.025	· 2 socket outlets with earthing contact, black, set at 35°
	· 2 socket outlets with earthing contact, red, set at 35°
6-way: 6 x custom modules	**Length: approx. 356 mm**
Anodised aluminium profile; without power connection	
912.001	without socket outlets

Art. no.	Version
6-way: 1 x USB double charger (5.2 V/2.15 A) + custom modules + power socket outlets	**Length: approx. 356 mm**
Anodised aluminium profile; power input: 0.1 m cable and GST18i3 plug	
912.0168	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
	· 1 x USB double charger, 3 x custom modules
912.0169	· 3 Swiss / CH socket outlets, child-proof, black, set at 90°
	· 1 x USB double charger, 3 x custom modules
912.0172	· 2 French / UTE socket outlets, child-proof, black, set at 35°
	· 1 x USB double charger, 3 x custom modules
912.0170	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°
	· 1 x USB double charger, 2 x custom modules

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, simply open the cover of the CONI COVER. 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!

The advantages at a glance	• Compatible with all makes of duct and furniture • Ideal for retrofitting • Integrated brush insert for closing even when cables are connected

CONI COVER built-in frames are available in short and long versions. The R5 corner radius facilitates flush mounting in desks or tables. The built-in depth of 24 mm is suitable for a minimum desk or table top thickness of 16 mm. Fixing to the desk of table top 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 COVER short		**Silver grey**
338.0081	· Sheet steel silver-grey RAL9006 (similar)	
CONI COVER long		**Silver grey**
338.0080	· Sheet steel silver-grey RAL9006 (similar)	
CONI COVER short		**Satin white**
911.500	· Satin white RAL9010	
CONI COVER long		**Satin white**
911.501	· Satin white RAL9010	
CONI COVER short		**Black**
911.502	· Black RAL9005	
CONI COVER long		**Black**
911.503	· Black RAL9005	

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.
For STEP see from page 60.

Easy access to all power supply units located under the table or desk top - for example to modular STEP 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.

The advantages at a glance	• Compact dimensions
	• Suitable for retrofitting
	• Timeless design
	• Versatile in application
	• Rapid installation of complete power strips

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.

POWER FRAME

Compact and efficient

POWER FRAME – the practical unit for fast fitting.

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.

Built-in frame for desk/table top thicknesses:	from 10 mm
Installation depth (of built-in frame):	approx. 36 mm
Corner radius for flush mounting:	R5
Total installation depth (with cables):	approx. 70 mm

The power and data sockets are located on the rear of the power strip.

Built-in frame

Art. no.	Version

POWER FRAME 3-way built-in frame	**Outer dimensions approx. 241 x 73 mm**
317.000	· Silver grey, similar to RAL 9006
317.001	· Stainless steel
915.000	· Black RAL 9005
915.001	· White RAL 9010

Art. no.	Version

POWER FRAME 4-way built-in frame	**Length: approx. 283.5 x 73 mm**
317.006	· Silver grey, similar to RAL 9006
915.004	· Black RAL 9005

NEW

Plastic power strips, 3-way

Art. no.	Version

CUSTOM

3-way: 2 x custom modules + power socket outlet	**Length: approx. 220 mm**
Plastic profile; power input: 0.1 m cable and GST18i3 plug	
916.061	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
916.063	· 1 French / UTE socket outlet, child-proof, black, set at 35°

CUSTOM

3-way: 1 x custom module + power socket outlets	**Length: approx. 220 mm**
Plastic profile; power input: 0.1 m cable and GST18i3 plug	
916.060	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
916.062	· 2 French / UTE socket outlets, child-proof, black, set at 35°

CUSTOM

3-way: Power socket outlets	**Length: approx. 220 mm**
Plastic profile; power input: 0.1 m cable and GST18i3 plug	
317.117	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
916.059	· 3 French / UTE socket outlets, child-proof, black, set at 35°

Aluminium power strips, 3-way

Art. no.	Version

3-way: 2 x custom modules + power socket outlets	**Length: approx. 220 mm**	CUSTOM

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

916.001	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
916.003	· 1 French / UTE socket outlet, child-proof, black, set at 35°
916.005*	· 1 Swiss / CH socket outlet, black, set at 0°

3-way: 1 x custom module + power socket outlets	**Length: approx. 220 mm**	CUSTOM

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

916.000	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
916.002	· 2 French / UTE socket outlets, child-proof, black, set at 35°
916.004*	· 3 Swiss / CH socket outlets, black, set at 0°
916.082	· 2 UK 3.15 A individually fused, child-proof, black, set at 90°

3-way: 2 x CAT5e + power socket outlets	**Length: approx. 220 mm**

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

317.101	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
	· 2 CAT5e RJ45, front: socket / rear: socket

3-way: Power socket outlets	**Length: approx. 220 mm**

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

317.100	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
317.102	· 3 French / UTE socket outlets, child-proof, black, set at 35°
916.1129	· 3 UK 3.15 A individually fused, child-proof, black, set at 90°

3-way: 3 x custom modules	**Length: approx. 220 mm**	CUSTOM

Anodised aluminium profile; without power connection

916.010	· Custom module-only variant

3-way: 1 x USB double charger (5.2 V/2.15 A) + 1 x custom module + power socket outlets	**Length: approx. 220 mm**	CUSTOM	USB CHARGER

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

916.0039	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
916.0042	· 1 French / UTE socket outlet, child-proof, black, set at 35°

3-way: 1 x USB double charger (5.2 V/2.15 A) + power socket outlets	**Length: approx. 220 mm**	CUSTOM	USB CHARGER

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

916.0040	· 2 socket outlets with earthing contact, child-proof, black, set at 35°

Power strips, 4-way

Art. no.	Version

4-way: 1 x USB double charger (5.2 V/2.15 A) + 2 x custom modules + power socket outlets	**L: approx. 261.9 mm**	CUSTOM	USB CHARGER

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

916.0041*	· 1 socket outlet with earthing contact, child-proof, black, set at 35°

4-way: 2 x custom modules + power socket outlets	**L: approx. 261.9 mm**	CUSTOM

Black plastic; power input: 0.1 m cable and GST18i3 plug

916.0601	· 2 socket outlet with earthing contact, child-proof, black, set at 35°

4-way: 3 x custom modules + power socket outlets	**L: approx. 261.9 mm**	CUSTOM

Black plastic; power input: 0.1 m cable and GST18i3 plug

916.0611	· 1 socket outlet with earthing contact, child-proof, black, set at 35°

* No storage type

POWER FRAME COVER
Who'd have thought power could be so elegant?

The compact POWER FRAME has evolved into the POWER FRAME COVER. An elegant and 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.

The advantages at a glance	• Design piece made from anodised aluminium • For conference tables and desks • Access to power supply and data from any seat • Dust protection • Versatile: can be combined with socket outlet and data/audio/video modules

POWER FRAME COVER / Built-in frame

NEW

POWER FRAME COVER

Art. no.	Version
POWER FRAME COVER 3-way	**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 RAL 9010
915.501	· Aluminium, painted in stainless steel

Art. no.	Version
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

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

See previous pages for suitable power strips.
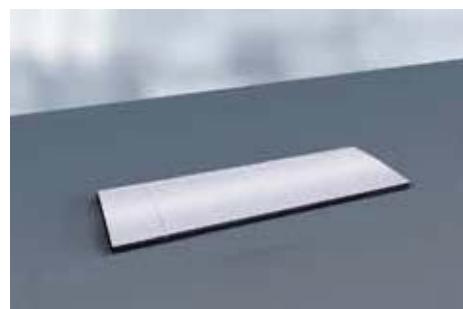
TWIST

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, the TWIST blends easily into both modern and organic interiors. After use, simply rotate the cover and the socket outlets disappear underneath it.
The TWIST won the Red Dot Product Design Award 2012.

The advantages at a glance
- 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
- Stainless steel or matt chrome
- Red Dot Product Design Award Winner 2012

NEW

TWIST

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 outlets with earthing contact, child-proof, black
	· Installation diameter 105 mm, installation depth 40 mm
	· for desk/table top thicknesses from 20 mm

TWIST 1S 2P	
Metallic matt chrome look cover disc; power input: 0.2 m with GST18i3 plug	
931.001	· 1 x socket outlet with earthing contact, child-proof, black
	· 2 x keystone mount for data sockets
	· Installation diameter 105 mm, installation depth 40 mm
	· for desk/table top thicknesses from 20 mm

Hole saw diameter 105 mm	
For fitting the TWIST	
931.900	· in wood / plastic
	· cutting depth up to 44 mm

Mounting tool for hole saw 931.900	
918.900	· with centre drill

Keystone modules for 931.001 can be found in the Custom modules chapter.

Similar to illustration

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.

42,5   40
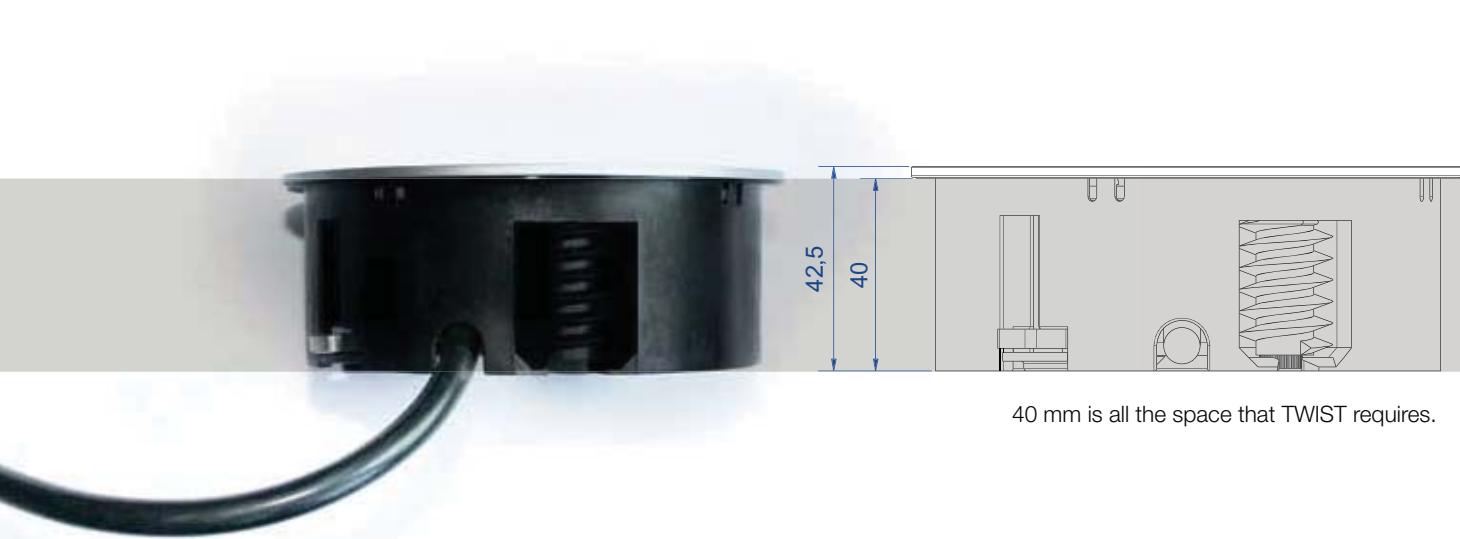
40 mm is all the space that TWIST requires.

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 thumb to raise and lower ELEVATOR. ELEVATOR is available in two versions: 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 desk or table top from below using a lock ring.

The advantages at a glance	• Press down with your thumb to raise
	• 2 configurations
	• Suitable for standard 79 mm hole
	• Quick and easy to install
	• Suitable for retrofitting
	• Aluminium nickel-plated, brushed
	• Classic design
	• For desk or table top thicknesses of 16 - 40 mm

NEW

ELEVATOR

Art. no.	Version
Elevator power strip	
Stainless steel look aluminium profile; kitchen variant; power input: 2.0 m H05VV-F 3G 1.5 mm² with end sleeves and earthing contact mounting plug (included)	
928.003	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
	· 2 Euro socket outlets, child-proof, black
Anodised aluminium profile E0EV01; office variant Power input: 0.3 m H05VV-F 3G1.5 mm² with GST18 plug; 3.0 m data cables and plug	
928.004	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
	· 2 CAT6 RJ45 with 3.0 m data cable and RJ45 plug
928.005	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
	· 1 USB A socket with 3.0 m data cable and plug
	· 1 CAT6 RJ45 with 3.0 m data cable and RJ45 plug
928.006	· 1 socket outlet with earthing contact, child-proof, black, set at 35°
	· 1 HDMI socket with 3.0 m data cable and plug
	· 1 CAT6 RJ45 with 3.0 m data cable and plug

Art. no.	Version
Hole saw diameter **79 mm**	
For fitting the ELEVATOR	
928.900	· in wood / plastic
	· cutting depth up to 44 mm
Mounting tool for hole saw	
918.900	· with centre drill

Similar to illustration

Ø 86
Ø 65
94,6
135
Ø 79

Dimensions in mm
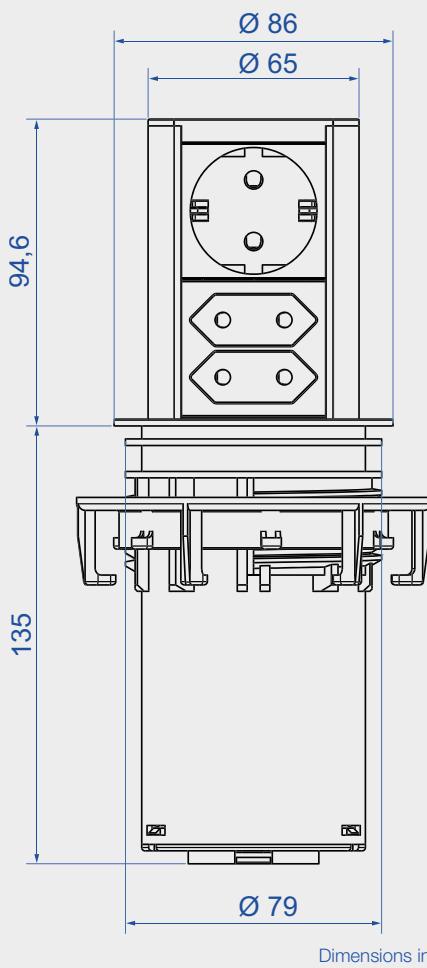
ELEVATOR fits in
cut-outs 79 mm in diameter

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.

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 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.

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.

The advantages at a glance	• Simply touch to raise
	• Attractive looks all round
	• Access points on four sides
	• Incredibly compact dimensions
	• Low built-in depth
	• 4 plug-in units on 1 height unit

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.

LIFT

High-tech in motion

Enclosure colour BLACK

Art. no.	Version
LIFT: Power socket outlets	
Enclosure colour black; power input: 0.5 m cable and GST18i3 plug	
904.000	· 4 socket outlets with earthing contact, child-proof, black, set at 35°
904.004	· 4 French / UTE socket outlets, child-proof, black, set at 35°
904.024*	· 4 Swiss / CH socket outlets, black, set at 0°
904.020*	· 4 UK 3.15 A individually fused, child-proof, black, set at 90°
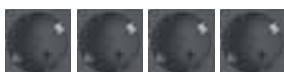
Art. no.	Version
LIFT: 2 x CAT6 + power socket outlets	
Enclosure colour black; power input: 3.0 m cable and plug; 3.0 m data cable and RJ45 plug	
904.001	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
904.005	· 3 French / UTE socket outlets, child-proof, black, set at 35°
904.025*	· 3 Swiss / CH socket outlets, black, set at 0°
904.021*	· 3 UK 3.15 A individually fused, child-proof, black, set at 90°
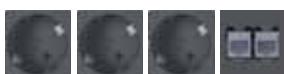
Art. no.	Version
LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets	
Enclosure colour black; power input: 3.0 m cable and plug;	
CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug	
904.002	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
904.006	· 2 French / UTE socket outlets, child-proof, black, set at 35°
904.026*	· 2 Swiss / CH socket outlets, black, set at 0°
904.022*	· 2 UK 3.15 A individually fused, child-proof, black, set at 90°

Art. no.	Version
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	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
904.007	· 2 French / UTE socket outlets, child-proof, black, set at 35°
904.027*	· 2 Swiss / CH socket outlets, black, set at 0°
904.023*	· 2 UK 3.15 A individually fused, child-proof, black, set at 90°

Art. no.	Version
LIFT: 2 x CAT6, 1 x VGA + miniature jack, 1 x HDMI, power socket outlet	
Enclosure colour black; power input: 3.0 m cable and plug	
904.045	· CAT6 3.0 m data cable and RJ45 plug; VGA 15-pole and miniature jack with 3.0 m cable and plug
	· 1 x socket outlet with earthing contact, child-proof, 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 plug

Art. no.	Version
USB CHARGER	**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
904.0001*	· 2 x socket outlets with earthing contact, child-proof, black, set at 35°
	· 1 x USB double charger
	· 2 x CAT6 RJ45 socket

* No storage type

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 socket outlets with earthing contact, child-proof, black, set at 35°
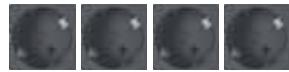
LIFT: 2 x CAT6 + power socket outlets

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

904.009	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
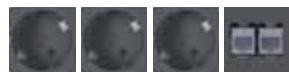
LIFT: 2 x CAT6, 1 x VGA + miniature jack + power socket outlets

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

904.010	· 2 socket outlets with earthing contact, child-proof, black, set at 35°

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

904.011	· 2 socket outlets with earthing contact, child-proof, black, set at 35°

Hole saw   **diameter 140 mm**

For LIFT installation

904.900	· Hole saw for clamping, with centre drill
	· 140 mm diameter

Similar to illustration

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 system or permanent connections. The data connections are fitted with adapters as standard, but can likewise also be fixed connections.

When it comes to positioning the DESK units, again versatility is the key. They are fixed to the desk/table top by mounting brackets or screws or can be free-standing, as best suits the application and good style.

The advantages at a glance	• Flexibility of use regardless of location • With Wieland connector system or fixed cable connections • Fixed or free-standing on desk/table • Custom versions adapt to future requirements

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 table or desk top or be free-standing.

DESK 1

Versatility with style

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 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 table/desk top. You will find a range of mounting brackets and units on page 51.

DESK 1 plus STEP in combination

Combining DESK 1 with a STEP power strip 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 desk/table top 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.
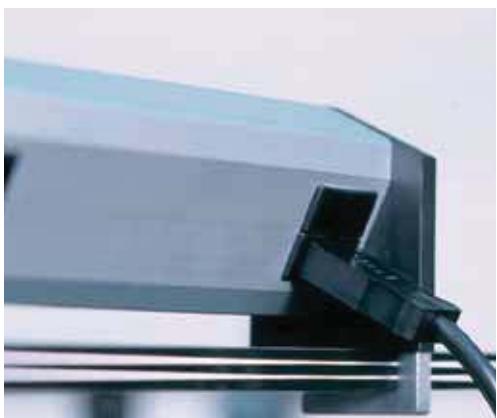
DESK 1 – Product matrix

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	Child-proof	Length in mm
902.0182	DE	2	1	yes	-	-	-	-	-	-	yes	281.3
902.011	DE	2	2	-	-	-	-	-	-	-	yes	322.5
902.0183*	DE	2	2	yes	-	-	-	-	-	-	yes	323.8
902.0048	DE	3	-	-	-	-	-	-	-	-	yes	270.0
339.1002	DE	3	-	-	-	-	-	-	yes	-	yes	225.0
902.0050	DE	3	-	-	yes	-	-	-	-	-	yes	313.0
339.1001	DE	3	-	-	yes	-	-	-	yes	yes	yes	268.0
339.1004	DE	3	-	-	-	2	-	-	yes	-	yes	280.0
339.1005	DE	3	-	-	-	2	1	-	yes	-	yes	325.0
339.1006	DE	3	-	-	-	2	-	1	yes	-	yes	325.0
902.000	DE	3	1	-	-	-	-	-	-	-	yes	322.5
902.017	DE	3	1	-	yes	-	-	-	-	-	yes	365.0
902.001	DE	3	2	-	-	-	-	-	-	-	yes	365.0
902.018	DE	3	2	-	yes	-	-	-	-	-	yes	408.0
902.012	DE	1/2	2	-	-	-	-	-	-	-	yes	385.0
902.002	DE	3	3	-	-	-	-	-	-	-	yes	366.3
902.019	DE	3	3	-	yes	-	-	-	-	-	yes	450.0
902.003	DE	3	4	-	-	-	-	-	-	-	yes	450.0
902.0049	DE	4	-	-	-	-	-	-	-	-	yes	313.0
339.1000	DE	4	-	-	-	-	-	-	yes	yes	yes	268.0
902.0185	UTE	2	1	yes	-	-	-	-	-	-	yes	281.3
902.004	UTE	3	1	-	-	-	-	-	-	-	yes	323.0
902.005	UTE	3	2	-	-	-	-	-	-	-	yes	365.0
902.006	UTE	3	3	-	-	-	-	-	-	-	yes	366.3
902.007	UTE	3	4	-	-	-	-	-	-	-	yes	450.0
902.0161	CH	2	2	yes	-	-	-	-	-	-	-	323.8
902.008	CH	3	1	-	-	-	-	-	-	-	-	258.0
902.009	CH	3	2	-	-	-	-	-	-	-	-	301.0
902.010	CH	3	3	-	-	-	-	-	-	-	-	258.0
902.0184	UK	2	1	yes	-	-	-	-	-	-	yes	300.7
902.024	UK	2	2	-	-	-	-	-	-	-	yes	346.3
902.039	UK	3	2	-	-	-	-	-	-	-	yes	309.0

* No storage type

DESK 1 power strips   ⬤ Max. 16 A / 230 V~   See glossary for country-specific information

Power cables and mounting brackets are available separately

	Art. no.	Version
Power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
🇩🇪	902.0048	· 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 270 mm
Power socket outlets		
Anodised aluminium profile; power input: GST18 / power output: GST18		
🇩🇪	902.0049	· 4 socket outlets with earthing contact, child-proof, black, set at 35°, length 313 mm
🇩🇪	902.0050	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
		· 1 switch, 2-pole, illuminated
		· Length 313 mm

DESK 1 power strips   ⬤ Max. 16 A / 230 V~   See glossary for country-specific information

with spaces for custom modules

Power cables, custom modules and mounting brackets are available separately

	Art. no.	Version
CUSTOM 🇩🇪	**1 x custom module + power socket outlets**	
	Anodised aluminium profile; power input: GST18 / power output: GST18	
🇩🇪	902.000	· 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 322.5 mm
🇩🇪	902.017	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
		· 1 switch, 2-pole, illuminated, length 365 mm
🇫🇷	902.004	· 3 French / UTE socket outlets, child-proof, black, set at 35°, length 322.5 mm
🇨🇭	902.008	· 3 Swiss / CH socket outlets, black, set at 0°, length 258 mm
CUSTOM 🇩🇪	**2 x custom modules + power socket outlets**	
	Anodised aluminium profile; power input: GST18 / power output: GST18	
🇩🇪	902.001	· 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 365 mm
🇩🇪	902.011	· 2 socket outlets with earthing contact, child-proof, black, set at 35°, length 322.5 mm
🇩🇪	902.018	· 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 407.5 mm
		· 1 switch, 2-pole, illuminated
🇫🇷	902.005	· 3 French / UTE socket outlets, child-proof, black, set at 35°, length 365 mm
🇨🇭	902.009	· 3 Swiss / CH socket outlets, black, set at 0°, length 300.5 mm
🇬🇧	902.039*	· 3 UK 3.15 A individually fused, child-proof, black, set at 90°, length 309 mm
🇬🇧	902.024	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°, length 346.3 mm
CUSTOM 🇩🇪	**3 x custom modules + power socket outlets**	
	Anodised aluminium profile; power input: GST18 / power output: GST18	
🇩🇪	902.002	· 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 366.3 mm
🇫🇷	902.006	· 3 French / UTE socket outlets, child-proof, black, set at 35°, length 366.3 mm
🇨🇭	902.010	· 3 Swiss / CH socket outlets, black, set at 0°, length 257.5 mm

You can find suitable Wieland cables on page 135

* No storage type

DESK 1 power strips   Max. 16 A / 230 V~ See glossary for country-specific information

with spaces for custom modules   **Power cables, custom modules and**
are available separately

Art. no.	Version

4 x custom modules + power socket outlets   CUSTOM

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

| 902.003 | · 3 socket outlets with earthing contact, child-proof, black, set at 35°, length 450 mm |
| 902.007 | · 3 French / UTE socket outlets, child-proof, black, set at 35°, length 450 mm |

2 x custom modules + power socket outlets   CUSTOM

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

| 902.012 | · 1 socket outlet with earthing contact, child-proof, black, set at 35° |
| | · 2 socket outlets with earthing contact, child-proof, red, set at 35°, length 385 mm |

1 x custom module + power socket outlets + illuminated switch   CUSTOM

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

| 902.017 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° |
| | · 1 x illuminated switch; length 365 mm |

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

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

| 902.018 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° |
| | · 1 x illuminated switch; length 407.5 mm |

3 x custom modules + power socket outlets + illuminated switch   CUSTOM

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

| 902.019 | · 3 socket outlets with earthing contact, child-proof, black, set at 35° |
| | · 1 x illuminated switch; length 450 mm |

Art. no.	Version

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

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

902.0182	· 2 socket outlets with earthing contact, child-proof, black, set at 35°, length 281.3 mm
902.0185	· 2 French / UTE socket outlets, child-proof, black, set at 35°, length 281.3 mm
902.0184	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°, length 300.7 mm

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

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

| 902.0183* | · 2 socket outlets with earthing contact, child-proof, black, set at 35°, length 323.8 mm |
| 902.0161 | · 2 Swiss / CH socket outlets, black, set at 90°, length 323.8 mm |

* No storage type

⊙ Max. 16 A / 230 V~   See glossary for country-specific information

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

Art. no.	Version

DESK 1 3 x earthing contact, GST18	Length: approx. 280 mm
2 x CAT5e	
339.1004	· 3 socket outlets with earthing contact, child-proof, 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 earthing contact, GST18	Length: approx. 325 mm
2 x CAT5e, 1 x VGA	
339.1005	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
	· 2 x CAT5e RJ45, front: socket/rear: socket
	· 1 x VGA 15-pole + miniature jack 3.5 mm
	· Power input: GST18i3 plug, power output: GST18i3 socket
	· Incl. standard mounting bracket and screws

DESK 1 3 x earthing contact, GST18	Length: approx. 325 mm
2 x CAT5e, 1 x USB	
339.1006	· 3 socket outlets with earthing contact, child-proof, 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 earthing contact, GST18	Length: approx. 225 mm
339.1002	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
	· Power input: GST18i3 plug, power output: GST18i3 socket
	· Incl. standard mounting bracket and screws

DESK 1 4 x earthing contact	Length: approx. 268 mm
Fixed connection	
339.1000	· 4 socket outlets with earthing contact, child-proof, black, set at 35°
	· 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 3 x earthing contact	Length: approx. 268 mm
Fixed connection, 1 x switch	
339.1001	· 3 socket outlets with earthing contact, child-proof, 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

* No storage type

DESK 1 accessories

Art. no.	Version

DESK 1 slimline brackets	**for table/desk top thicknesses up to 50 mm**
918.001	· Stainless steel, thickness 3 mm · Contents: 2 stainless steel mounting brackets + 2 M5 x 45 mm Allen keys

DESK 1 standard bracket	**for table/desk top thicknesses up to 50 mm**
930.120	· Anodised aluminium, thickness approx. 9 mm · Contents: - 2 x mounting clamps, anodised aluminium profile - 2 x M5 x 60 mm Allen bolts

DESK 1 long bracket	**for table/desk top thicknesses up to 80 mm**
930.180	· Mounting bracket, long, 50-80 mm · Contents: - 2 x mounting clamp, black painted RAL9011 - 2 x M5 x 45 mm Allen bolts - 2 x M5 x 60 mm Allen bolts

Chipboard screw for DESK end caps	**for table/desk top thicknesses over 15 mm**
930.183	· 2 x chipboard screws 4 x 90 mm incl. brass threaded sleeve

DESK 1 mounting plate	
930.182	· Black plastic · Mounting plates for attachment to DESK end caps · Contents: - 2 x mounting plates - 2 x screws - 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 **no standby current is drawn by the master device** and total power consumption during on-working hours is exactly zero.

The advantages at a glance	• 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 • Improvement to carbon footprint

GREEN

Automatic switchoff system components

Art. no.	Version
STEP ALU automatic switchoff	**Length: approx. 263 mm**
906.005	· Anodised aluminium profile
	· 1 x automatic switchoff device with socket outlet with earthing contact
	· 1 x button connection with 0.5 m cable and connector for linking to module 917.060
	· Power input: GST18i3 plug, power output: GST18i3 socket
Module 1 x button automatic switchoff / Automatic Saves Energy	
917.060	· 1 x button, black, with 1.0 m cable and 2-pole connector
	· Pressing the button subsequently restores power to the connected equipment.
	· Use in any power strip with custom modules

A desk connection panel with custom module space and a STEP are needed to complete the system.

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

Control cable

DESK 1 desk connection panel 902.001 with custom module space for 917.060

STEP power strip 336.039

STEP automatic switchoff 906.005

Main unit / master unit

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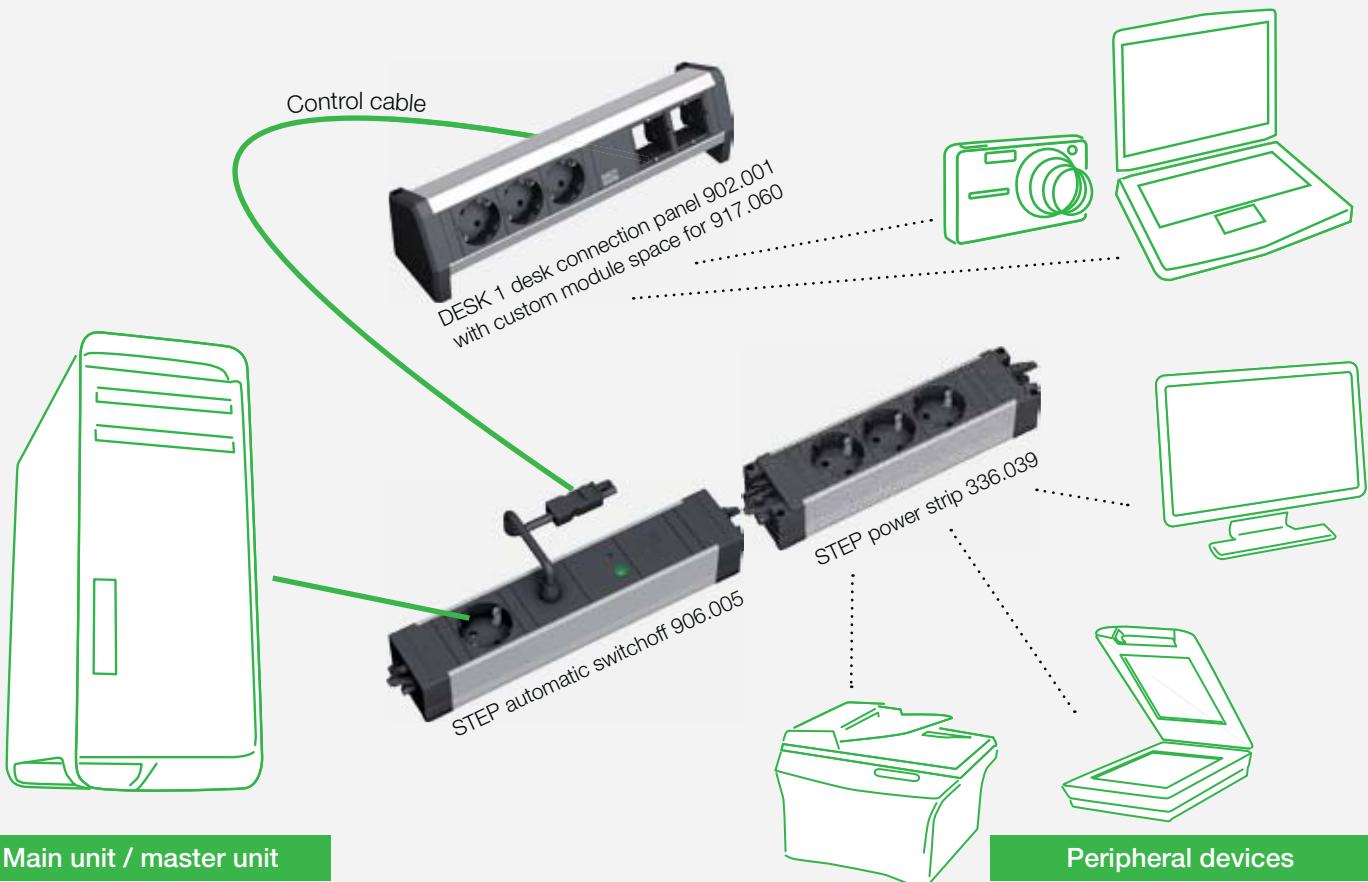
DESK 2 is a multiple-socket outlet that can be populated with various communication modules. It has been designed for flexible use in the office, meeting rooms, home offices or desk sharing environments.

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

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

DESK 2 won the red dot design award 2011 and 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.

The advantages at a glance	• 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
	• IF Award winner 2012
	• Nominated for the German Design Award 2012

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
Design meets technology

German Design Award 2012 NOMINEE

iF product design award 2012

reddot design award winner 2011

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	Child-proof	Length in mm
902.203	DE	2	1	-	white	-	-	-	yes	-	yes	204.0
902.228	DE	2	1	yes	white	-	-	-	yes	-	yes	239.2
902.211	DE	2	2	-	white	-	-	-	yes	-	yes	239.0
902.229*	DE	2	2	yes	white	-	-	-	yes	-	yes	281.7
902.2048	DE	3	-	-	white	-	-	-	yes	-	yes	197.0
902.300	DE	3	-	-	white	-	-	-	yes	yes	yes	197.0
902.301	DE	3	-	-	white	1	1	-	yes	yes	yes	239.0
902.302	DE	3	-	-	white	2	1	1	yes	yes	yes	282.0
902.200	DE	3	1	-	white	-	-	-	yes	-	yes	239.0
902.201	DE	3	2	-	white	-	-	-	yes	-	yes	282.0
902.202	DE	3	3	-	white	-	-	-	yes	-	yes	324.0
902.232*	UTE	2	1	yes	white	-	-	-	yes	-	yes	239.2
902.204	UTE	3	1	-	white	-	-	-	yes	-	yes	239.0
902.205	UTE	3	2	-	white	-	-	-	yes	-	yes	282.0
902.213	UK	2	-	-	white	-	-	-	yes	-	yes	196.7
902.206	UK	2	1	-	white	-	-	-	yes	-	yes	239.0
902.231*	UK	2	1	yes	white	-	-	-	yes	-	yes	274.2
902.207	UK	2	2	-	white	-	-	-	yes	-	yes	274.0
902.214	UK	4	-	-	white	-	-	-	yes	-	yes	316.7
902.230*	CH	2	2	yes	white	-	-	-	yes	-	-	281.7
902.208	CH	3	1	-	white	-	-	-	yes	-	-	239.0
902.209	CH	3	2	-	white	-	-	-	yes	-	-	282.0
902.403	DE	2	1	-	stainless steel	-	-	-	yes	-	yes	204.0
902.428	DE	2	1	yes	stainless steel	-	-	-	yes	-	yes	239.2
902.411	DE	2	2	-	stainless steel	-	-	-	yes	-	yes	239.0
902.429*	DE	2	2	yes	stainless steel	-	-	-	yes	-	yes	281.7
902.4048	DE	3	-	-	stainless steel	-	-	-	yes	-	yes	197.0
902.500	DE	3	-	-	stainless steel	-	-	-	yes	yes	yes	197.0
902.501	DE	3	-	-	stainless steel	1	1	-	yes	yes	yes	239.0
902.502	DE	3	-	-	stainless steel	2	1	1	yes	yes	yes	282.0
902.400	DE	3	1	-	stainless steel	-	-	-	yes	-	yes	239.0
902.401	DE	3	2	-	stainless steel	-	-	-	yes	-	yes	282.0
902.402	DE	3	3	-	stainless steel	-	-	-	yes	-	yes	324.0
902.432*	UTE	2	1	yes	stainless steel	-	-	-	yes	-	yes	239.2
902.404	UTE	3	1	-	stainless steel	-	-	-	yes	-	yes	239.0
902.405	UTE	3	2	-	stainless steel	-	-	-	yes	-	yes	282.0
902.431*	UK	2	1	yes	stainless steel	-	-	-	yes	-	yes	274.2
902.407	UK	2	2	-	stainless steel	-	-	-	yes	-	yes	274.0
902.406	UK	2	1	-	stainless steel	-	-	-	yes	-	yes	239.0
902.430*	CH	2	2	yes	stainless steel	-	-	-	yes	-	-	281.7
902.408	CH	3	1	-	stainless steel	-	-	-	yes	-	-	239.0
902.409	CH	3	2	-	stainless steel	-	-	-	yes	-	-	282.0

* No storage type

DESK 2 power strips

Art. no.	Version	
Power socket outlets		**Length: approx. 197 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.2048	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white	🇩🇪
902.4048	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel	🇩🇪
902.300	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white · 1.5 m separate device supply cable, GST18/earth contact	🇩🇪
902.500	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel	🇩🇪
Power socket outlets		
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.213	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in RAL 9010 white, length: 196.7 mm	🇬🇧
902.214*	· 4 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in RAL 9010 white, length: 316.7 mm	🇬🇧

DESK 2 power strips, empty

Art. no.	Version	
1 x custom module + power socket outlets		**Length: approx. 239 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.200	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white	🇩🇪
902.204	· 3 French / UTE socket outlets, child-proof, black, set at 35° · Painted in RAL 9010 white	🇫🇷
902.206	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in RAL 9010 white	🇬🇧
902.208	· 3 Swiss / CH T13 socket outlets, black, set at 90° · Painted in RAL 9010 white	🇨🇭
902.400	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel	🇩🇪
902.404	· 3 French / UTE socket outlets, child-proof, black, set at 35° · Painted in stainless steel	🇫🇷
902.406	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in stainless steel	🇬🇧
902.408	· 3 Swiss / CH T13 socket outlets, black, set at 90° · Painted in stainless steel	🇨🇭
1 x custom module + power socket outlets		**Length: approx. 204 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.203	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white	🇩🇪
902.403	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel	🇩🇪
2 x custom modules + power socket outlets		**Length: approx. 239 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.211	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in RAL 9010 white	🇩🇪
902.411	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel	🇩🇪
2 x custom modules + power socket outlets		**Length: approx. 274 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket		
902.207*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in RAL 9010 white	🇬🇧
902.407*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Painted in stainless steel	🇬🇧

* No storage type

DESK 2 power strips

Art. no.	Version
2 x custom modules + power socket outlets	**Length: approx. 282 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.201	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in RAL 9010 white**
902.205	· 3 French / UTE socket outlets, child-proof, black, set at 35° · **Painted in RAL 9010 white**
902.209	· 3 Swiss / CH T13 socket outlets, black, set at 90° · **Painted in RAL 9010 white**
902.401	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · Painted in stainless steel
902.405	· 3 French / UTE socket outlets, child-proof, black, set at 35° · **Painted in stainless steel**
902.409	· 3 Swiss / CH T13 socket outlets, black, set at 90° · **Painted in stainless steel**
3 x custom modules + power socket outlets	**Length: approx. 324 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.202	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in RAL 9010 white**
902.402	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in stainless steel**

DESK 2 power strips

Art. no.	Version
USB CHARGER **CUSTOM**	**DESK 2 with 1 x USB double charger (5.2 V /2.15 A), 1 x custom modules + power socket outlet**
	Aluminium profile; power input 0.2 m H05VV-F 3G 1.5 mm² with GST 18; incl. mounting bracket
902.228	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Length 239.2 mm · **Painted in RAL 9010 white**
902.232*	· 2 French / UTE socket outlets, child-proof, black, set at 35° · Length 239.2 mm · **Painted in RAL 9010 white**
902.231*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Length 284.2 mm · **Painted in RAL 9010 white**
902.428	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Length 239.2 mm · **Painted in stainless steel**
902.432*	· 2 French / UTE socket outlets, child-proof, black, set at 35° · Length 239.2 mm · **Painted in stainless steel**
902.431*	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° · Length 284.2 mm · **Painted in stainless steel**

* No storage type

DESK 2 power strips

Art. no.	Version
DESK 2 with 1 x USB double charger (5.2 V /2.15 A), 2 x custom modules + power socket outlet	**CUSTOM USB CHARGER**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.229*	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Length 281.7 mm · **Painted in RAL 9010 white**
902.230*	· 2 Swiss / CH T13 socket outlets, black, set at 90° · Length 281.7 mm · **Painted in RAL 9010 white**
902.429*	· 2 socket outlets with earthing contact, child-proof, black, set at 35° · Length 281.7 mm · **Painted in stainless steel**
902.430*	· 2 Swiss / CH T13 socket outlets, black, set at 90° · Length 281.7 mm · **Painted in stainless steel**

DESK 2 power strips, equipped

Art. no.	Version
1 x custom module + power socket outlets	**Length: approx. 239 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.301	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in RAL 9010 white** · 1 CAT6 coupling socket/socket · 1 USB A/A 3.0 keystone module · 1.5 m separate device supply cable, GST18/earth contact
902.501	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in stainless steel** · 1 CAT6 coupling socket/socket · 1 USB A/A 3.0 keystone module · 1.5 m separate device supply cable, GST18/earth contact
2 x custom modules + power socket outlets	**Length: approx. 282 mm**
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.302	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in RAL 9010 white** · 2 CAT6 coupling socket/socket · 1 USB A/A 3.0 keystone module · 1 HDMI keystone socket/socket · 1.5 m separate device supply cable, GST18/earth contact
902.502	· 3 socket outlets with earthing contact, child-proof, black, set at 35° · **Painted in stainless steel** · 2 CAT6 coupling socket/socket · 1 USB A/A 3.0 keystone module · 1 HDMI keystone socket/socket · 1.5 m separate device supply cable, GST18/earth contact

Accessories

Art. no.	Version
DESK 2 cable management	
Covered cabling to the underside of desk or table edge	
918.106	Plastic, painted in RAL 9010 white
918.107	Plastic, painted in stainless steel

DESK 2 brackets are suitable for desk or table top 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 embodies the principle of modularity with absolute consistency. The system is thus ideal for the flexible delivery of power and data to workstations, in partition systems, false floors and other connection types.

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

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.

The advantages at a glance	• Consistent modularity
	• Versatile applications
	• Standard connection system
	• Can be removed at any time
	• Functional efficiency
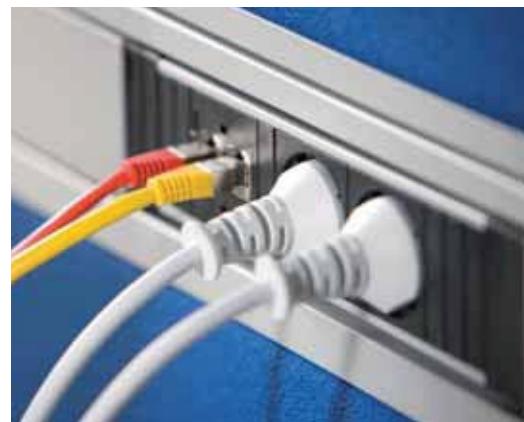
STEP is ideal for the flexible delivery of power and data to workstations, in partition systems, false floors and other connection types.

STEP

Fit for the future - step by step

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. The Wieland GST18 plug connectors fitted are 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 table/desk tops, in cable ducts and in partitions.
Different fixing options are available to suit these various applications (see from page 65).

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.

See glossary for country-specific information

Power cables and custom modules are available separately

Art. no.	Version
STEP BASE: Power socket outlets	**Length: approx. 220 mm**
Plastic profile; power input: GST18 / power output: GST18	
336.600	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
336.601	· 3 socket outlets with earthing contact, child-proof, red, set at 35°
336.603	· 3 French / UTE socket outlets, child-proof, black, set at 35°
906.1306	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°
906.0059	· 2 UK 3.15 A individually fused, child-proof, black, set at 45°, 2 switches
906.0055	· 4 UK 3.15 A individually fused, child-proof, black, set at 45°
906.0060	· 4 UK 3.15 A individually fused, child-proof, black, set at 45°, 1 switch

Art. no.	Version
STEP BASE: Power socket outlets	**Length: approx. 262.5 mm (note special lengths)**
Plastic profile; power input: GST18 / power output: GST18	
336.604	· 4 socket outlets with earthing contact, child-proof, black, set at 35°
336.606	· 4 French / UTE socket outlets, child-proof, black, set at 35°
336.626	· 5 socket outlets with earthing contact, child-proof, black, set at 35°, length 305 mm

Art. no.	Version
STEP ALU: Power socket outlets	**Length: approx. 220 mm (note special lengths)**
Aluminium profile; power input: GST18 / power output: GST18	
336.039	· 3 socket outlets with earthing contact, child-proof, black, set at 35°
336.067	· 3 socket outlets with earthing contact, child-proof, red, set at 35°
906.1075	· 3 French / UTE socket outlets, child-proof, black, set at 35°, length 220 mm
336.046	· 4 French / UTE socket outlets, child-proof, black, set at 35°, length 262.5 mm
336.072	· 3 French / UTE socket outlets, child-proof, red IT, set at 35°
336.088	· 4 French / UTE socket outlets, child-proof, black, set at 35°, length 262.5 mm
906.1086*	· 3 Swiss / CH socket outlets, black, set at 90°
906.1059*	· 3 UK 3.15 A individually fused, child-proof, black, set at 45°, length 314.5 mm
336.076	· 3 USA socket outlets, black, set at 0°, length 195 mm

Art. no.	Version
STEP ALU: 1 x custom module + power socket outlets	**Length: approx. 220 mm** CUSTOM
Aluminium profile; power input: GST18 / power output: GST18	
906.000	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
906.002	· 2 French / UTE socket outlets, child-proof, black, set at 35°
906.071	· 2 Swiss / CH socket outlets, black, set at 90°
336.079	· 2 UK 3.15 A individually fused, child-proof, black, set at 45° (length 284.5 mm)

Art. no.	Version
STEP ALU: 2 x custom modules + power socket outlets	**Length: approx. 262.5 mm** CUSTOM
Aluminium profile; power input: GST18 / power output: GST18	
906.001	· 2 socket outlets with earthing contact, child-proof, black, set at 35°
906.009*	· 2 French / UTE socket outlets, child-proof, black, set at 35°
906.080*	· 2 Swiss / CH socket outlets, black, set at 90°

Art. no.	Version
STEP ALU: 1 x switch + power socket outlets	**Length: approx. 262.5 mm**
Aluminium profile: Power input: GST18 / power output: GST18	
906.003	· 3 x socket outlets with earthing contact, child-proof, black, set at 35° · Switch controls sockets only (not power output)
906.031	· 3 x socket outlets with earthing contact, child-proof, black, set at 35° · Switch controls both sockets and power output

Art. no.	Version
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 CUSTOM USB CHARGER
Aluminium profile; power input: GST18 / power output: GST18	
906.0113*	· 2 x socket outlets with earthing contact, child-proof, black, set at 35°

* No storage type

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 16 A, 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, 16 A, tripping current 10 mA, 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:
	- Residual current device 16 A, tripping current 30 mA, response time 30 ms, 2-pole
	- Miniature circuit-breaker 16 A rated current, 400 V, 2-pole
	· Characteristic B; 6 kA

STEP ALU master & slave, GST18	**Length: approx. 220 mm**
Aluminium profile; power input: GST18 / power output: GST18	
336.006	· Master & slave circuit with threshold value setting 10 W and higher
	· Effective power: 0.29 W / apparent power: 1.05 W

STEP ALU automatic switchoff	**Length: approx. 263 mm**
Aluminium profile; power input: GST18 / power output: GST18	See page 48
906.005	· 1 x automatic switchoff device with socket
	· 1 x button connection with 0.5 m cable and connector for linking to module 917.060

GREEN

STEP accessories

Art. no.	Version
Mounting accessories	

375.502	· Contents:
	   - 4 screws 2.9 x 30 mm
	   - 2 cover strips for the end caps as optical finish (to be placed
	     on the end caps where two power strips are linked together)
	   - 1 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 · 2 items
Stainless steel mounting bracket with elongated hole	
940.024	· For insertion into the rear of a STEP profile · With elongated hole (keyhole) for screwing into place, ideal for use with power strips with data connections · 1 item left, 1 item right
Stainless steel mounting plate, flat	
940.097	· For insertion into the rear of a STEP profile · For screw fixing e.g. under a desk or table · 2 items, packaged in plastic bag
STEP cover plates	
375.529	· Fit over the end caps of STEP power strips · Visual finish · Black plastic · 2 items, packaged in plastic bag
Sheet steel mounting plate	

940.108	· For insertion into rear of STEP profile
	· Tightening the nut on the threaded screw fixes
	  the power strip in place
	· Contents:
	   - 1 mounting plate incl. M5 screw, washer and nut

STEP plastic mounting clip	
918.025	· For mounting STEP BASE and STEP ALU power strips in suitable cut-outs in sheet steel (thickness 2.0 mm) · Contents: 2 plastic mounting clips, 4 screws 2.9 x 30 mm · Drawings for the required cut-outs can be requested if required.

Earthed power supply cable to STEP unit, see Accessories section

• Pre-assembled power supply cables with integrated earth connection
• Earthing of the power strip is independent of the installation
• Ideal in combination with STEP power strips (see from page 60)

Bachmann custom modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in facility systems, rack systems and electrical installations. The versatility of custom modules make Bachmann facility systems 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 10" and 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.

The advantages at a glance	• Flexibly interchangeable modules • For data, video and audio connections • Can be used in facility systems, rack systems and electrical installations • Integration with the switch ranges of leading manufacturers • Easy to connect via socket/socket or screw-terminal connections

Power strips

19" and 10" media racks

Electrical installations

CUSTOM MODULES

As versatile as your applications

①　②　③
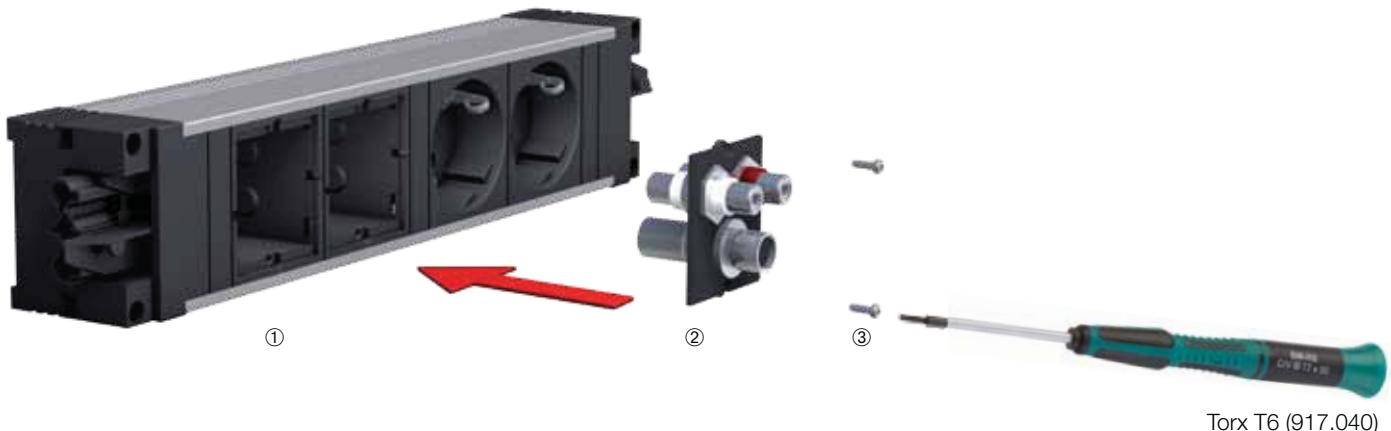
Torx T6 (917.040)

The empty built-in frame① of Bachmann facility systems accommodates the custom modules②, which are fixed in place with two Torx screws③. The custom modules can be easily exchanged by loosening the screws.

Custom modules in facility systems

Individual configuration

Modern technology and strong ideas are at the heart of each and every Bachmann facility system. 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 standard, ready-made outlet units, 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 when exchanging modules.

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 system products in the main Bachmann catalogue and in the separate Facility systems catalogue.

■ Compatible with Bachmann facility systems
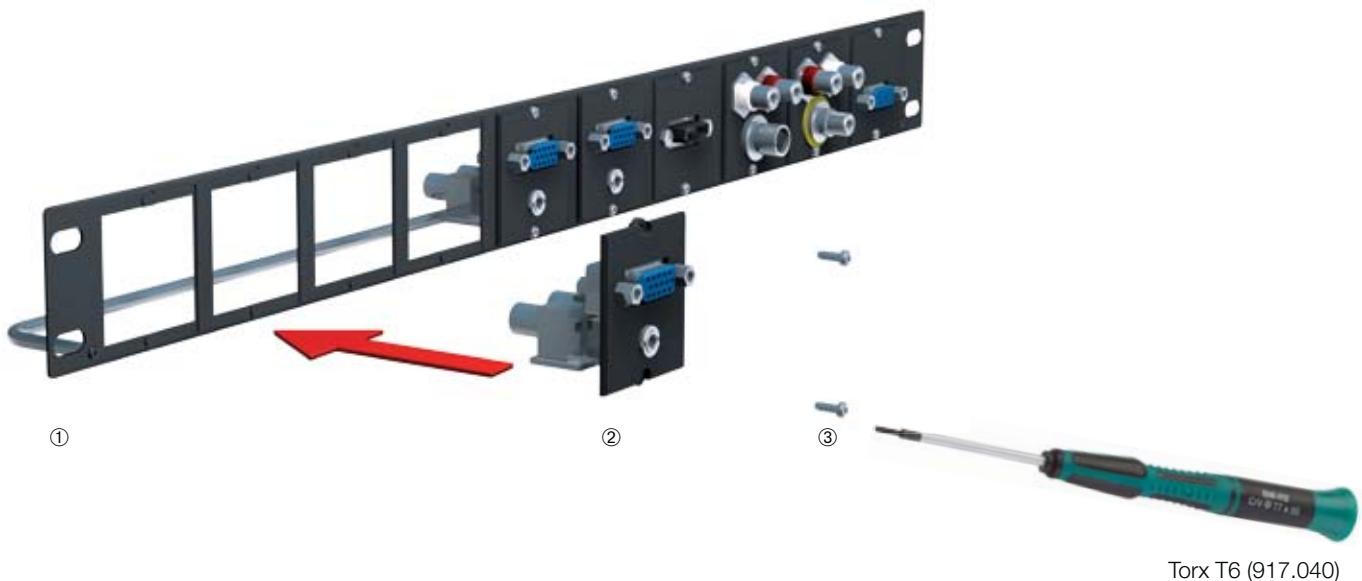
Torx T6 (917.040)

Our 19" and 10" racks① accept custom modules②, 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" and 10" panels offer simple and flexible integration of media and network technologies into your rack system. The custom modules, easily screwed into place (Torx M2 screws③ 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 one height unit (44.5 mm).
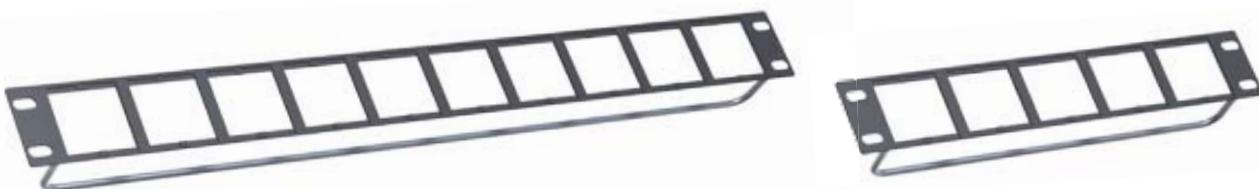
903.000 Bachmann 19" panel, 1 U, with strain-relief bar, accepts 10 custom modules (screws for mounting the modules included)

903.001 Bachmann 10" panel, 1 U, with strain-relief bar, accepts 5 custom modules (screws for mounting the modules included)

■ Compatible with Bachmann IT rack panel
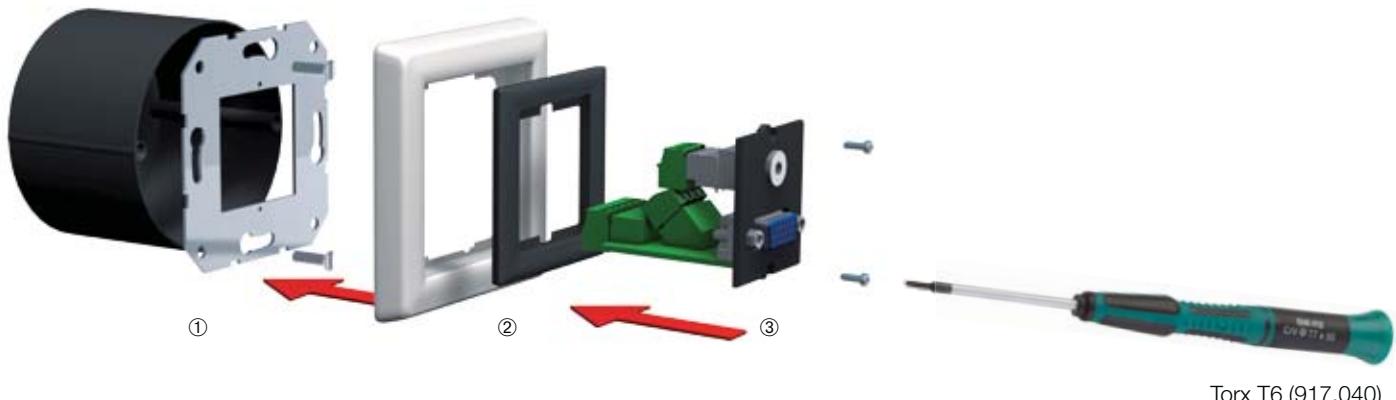
Torx T6 (917.040)

Using a mounting plate① and adapter frame② (see page 74),
custom modules③ 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 x 50 mm and 55 x 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 to the
switch ranges of various manufacturers can be found on page 72 onwards.

917.064 mounting plate
(Suitable Torx M2 screws included)

Adapter frames,
50 x 50 mm and 55 x 55 mm
in black and white

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

Torx T6 (917.040)

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

Bachmann custom modules ^{③} can even be fitted into conventional floor
boxes. The custom module bracket ^{④} for floor-box systems allows the
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 electrical installations

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
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
	LS plus	917.066	917.169	AL2961Z5-L ES2961Z5-L

* Name and product designation of manufacturer
** Also order the appropriate Bachmann adapter frame for fitting in the switch range.

Custom modules

Manufacturer*	Switch range*	Bachmann Adapter frame** Colour black	Bachmann Adapter frame** Colour white	+ Adapter manufacturer number
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
POPP	FOREVER	917.065	917.168	729828 729811
	PALLAS	917.065	917.168	729842 729866 729859
	ARCADA	917.065	917.168	–
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

* Name and product designation of manufacturer
** Also order the appropriate Bachmann adapter frame for fitting in the switch range.

Switch range

Art. no.	Version

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

Adapter frame for switch range	**Plastic**
917.065	· 50 x 50 mm · Black · Fits into conventional switch ranges (50 x 50 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064 Please check the compatibility list from page 72

Adapter frame for switch range	**Plastic**
917.168	· 50 x 50 mm · White RAL 9010 · Fits into conventional switch ranges (50 x 50 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064 Please check the compatibility list from page 72

Adapter frame for switch range	**Plastic**
917.066	· 55 x 55 mm · Black · Fits into conventional switch ranges (55 x 55 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064 Please check the compatibility list from page 72

Adapter frame for switch range	**Plastic**
917.169	· 55 x 55 mm · White RAL 9010 · Fits into conventional switch ranges (55 x 55 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064 Please check the compatibility list from page 72

Floor boxes

Art. no.	Version

Floor box mounting 2 x	**Sheet steel**
2 x custom modules	
917.068	· 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 modules	
917.067	· 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 modules	
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 modules	
917.140	· Mounting for Electraplan floor boxes · Accepts 3 custom modules (transverse mounting) · Incl. Torx M2 screws for custom modules

Media racks/IT panels

Art. no.	Version

10" custom module panel 1 U Black anodised aluminium
903.001   · Accepts up to 5 custom modules   · Incl. fixing accessories and Torx M2 screws

19" custom module panel 1 U Black anodised aluminium
903.000   · Accepts up to 10 custom modules   · Incl. fixing accessories and Torx M2 screws

Modules for keystone data connections · All modules are supplied with 2 Torx T6 screws.

Art. no.	Version
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
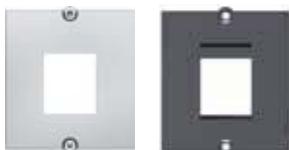
Art. no.	Version
Module 1 x keystone	
917.001	· Module, **black,** accepts 1 data socket with keystone fitting
	· Suitable for the data sockets listed below
917.159	· Module, **white,** accepts 1 data socket with keystone fixing
	· Suitable for the data sockets listed below

Art. no.	Version
2 x keystone modules with metal holder	
917.061	· 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

Art. no.	Version
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
CAT6 coupling socket/socket	
940.044	· Type: BTR E-DAT
	· Front: RJ45 (keystone fixing), rear: RJ45 (E-DAT mounting)
	· Shielded

Art. no.	Version
CAT6 coupling / socket/socket	
940.083	· Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
	· Shielded

Art. no.	Version
CAT6 coupling socket/socket	
940.112	· Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
	· Unshielded

Art. no.	Version
CAT5e coupling socket/socket	
940.057	· Front: RJ45 (keystone fixing), rear: RJ45 (keystone fixing)
	· Shielded

Art. no.	Version
ISDN RJ12 socket/socket	
940.085	· Front: RJ 12 (keystone fixing), rear: RJ 12 (keystone fixing)
	· Unshielded

Art. no.	Version
Keystone socket cover	
917.057	· 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

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

Socket/supply cable

Art. no.	Version
CAT6a 10 GB patch cable plug/socket 3.0 m	
918.033	· Front: Socket RJ45 CAT6a TKM 10 GB
	· Cable, black, with RJ45 plug
■ ■ ■	· Shielded
CAT6a 10 GB patch cable plug/socket 5.0 m	
918.034	· Front: Socket RJ45 CAT6a TKM 10 GB
	· Cable, black, with RJ45 plug
■ ■ ■	· Shielded
CAT6a 10 GB socket TKM	
918.035	· CAT6 connector socket TKM 10 GB
	· 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	
Custom module 1 x HDMI keystone		**Black**
918.040	· Front: HDMI socket	
	· Rear: HDMI socket without cable	
	· Fits into keystone frame 917.000 or 917.001	
■ ■	· Requires approx. 85 mm installation depth	
Custom module 1 x miniature jack 3.5 mm keystone		**Black**
917.157	· Front: 3.5 mm stereo miniature jack socket	
	· Rear: Miniature jack socket with approx. 0.1 m cable	
	· Fits into keystone frame 917.000 or 917.001	
■ ■ ■	· Requires approx. 65 mm installation depth	
Custom module 1 x USB 3.0 A / A keystone		**Black**
917.120	· Front: USB A socket	
	· Rear: USB A socket	
	· Fits into keystone frame 917.000 or 917.001	
■ ■	· Requires approx. 85 mm installation depth	

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

OWG connections

Art. no.	Version
OWG-LC duplex keystone	
918.071	· OWG-LC duplex coupler
▪▪▪	· Keystone fixing
OWG-ST duplex keystone	
918.073	· OWG-ST duplex coupler
▪▪▪	· Keystone fixing
TOSLINK keystone	
918.045	· TOSLINK optic fibre audio coupler
▪▪▪	· Keystone fixing
OWG-SC keystone	
918.072	· OWG-SC coupler
▪▪▪	· Keystone fixing
OWG-MT-RJ keystone	
918.074	· OWG-MT-RJ coupler
▪▪▪	· Keystone fixing

Cable bushing

Front   Rear

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
▪▪	

Module 1 x VGA cable bushing	
917.033	· 1 x 2-part cable bushing, ideal for routing VGA cables; without cable.
▪▪	· Suitable for cables up to 24 mm in diameter

Modules for data connections

All modules are supplied with 2 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
  socket module RJ45

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)
▪▪▪	· Also suitable for Daetwyler Unilan module MS 1-8

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

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

■ **FACILITY SYSTEMS**   ■ **IT RACK PANELS**   ■ **ELECTRICAL INSTALLATIONS**

Modules for data connections   All modules are supplied with 2 Torx T6 screws.

Art. no.	Version

Module 1 x RDM CAT6

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

Module 1 x BKS

917.153 · Module with cut-out for BKS (RJ, RJ250, RJUTP, RJpro and MMC3000pro) data connections in conjunction with mounting clip 403-7540xx (not included).

· Also suitable for Kerpen ELine 1200 C7 socket in conjunction with ELine EC7 adapter clips LKD9ZE300210000), not included.

Module Nexans 2 x

917.052 · Module, black, with cut-out for 2 Nexans LAN-mark-6 CAT6 (clips in with keystone Nexans clip)

· Data socket and keystone clip available separately

Module Nexans 1 x

917.051 · Module, black, with cut-out for 1 Nexans LAN-mark-6 CAT6 (clips in with keystone Nexans clip)

· Data socket and keystone clip available separately
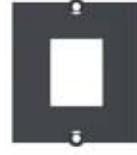
Module 1 x Panduit CAT6

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

Module 1 x Corning CAT6

917.002 · 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-C001, S250 fx / CAXESM-00100-C004, S100 eL / CAXGSM-00100-C001, S100 e / CAXDSM-00100-C001

Module 2 x CAT7 Tera

917.039 · 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 +
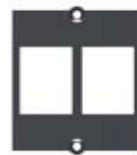
Module 1 x CAT7 Tera

917.008 · 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 +

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Custom modules

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 versions															
CAT6 coupling, shielded 940.044	x	x			x	x									
CAT6 coupling, unshielded 940.112	x	x	x	x											
CAT5e coupling 940.057	x	x	x	x											
ISDN RJ12 socket unshielded	x	x	x	x											
CAT6a 10 GB socket TKM, shielded, for automatic telephone 918.035	x	x	x	x											
CAT6a 10 GB socket TKM, shielded, with 3.0 m cable and RJ45 plug / 918.033	x	x	x	x											
CAT6a 10 GB socket TKM, shielded, with 5.0 m cable and RJ45 plug / 918.034	x	x	x	x											
Socket cover / blank cover keystone black / 917.057	x	x	x	x											
RJ45 shutter / 930.143	x	x													
OWG-LC duplex keystone / 918.071	x	x	x	x											
OWG-SC keystone / 918.072	x	x	x	x											
OWG-ST keystone / 918.073	x	x	x	x											
OWG-MT-RJ keystone / 918.074	x	x	x	x											
TOSLINK keystone / 918.045	x	x	x	x											
Tyco Electronics / AMP NETCONNECT*															
SL Series 110 Connect jacks CAT6	X	x	x	x											
SL Series 110 Connect jacks CAT5e	X	x	x	x											
SL Series 110 Connect jacks CAT3	X	x	x	x											
SL Series toolless jacks CAT5e	x	x	x	x											
SL Series toolless jacks CAT3	x	x	x	x											
Modular telephone coupler RJ45 / RJ11 coupler	x	x	x	x											
AMP-TWIST-6S SL jack CAT6	x	x	x	x											
Standard 110 Connect jacks CAT5e		x		x											
Standard 110 Connect jacks CAT3 RJ45 / RJ11		x		x											
AMP-TWIST 6AS SL RJ45 jack	x	x	x	x											
ADC KRONE*															
KM8 RJ45 Modular keystone shielded		x		x											
KM8 RJ45 Modular keystone unshielded		x		x											
BELDEN*															
Giga Flex keystone	x	x	x	x											
Giga Flex MDVO	x	x	x	x											
BKS* (can be used with mounting clip 403-7540xx (not included)															
RJ, RJ250, RJUTP, RJpro and MMC3000pro											x				

* 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
BRAND-REX*															
10GPLUS jack shielded	x	x	x	x											
Augmented category 6 shielded tool-free jack / AC6JAKS000	x	x	x	x											
CAT5e GIGAPlus jack 110 IDC 568		x		x											
CAT6 keystone plus		x		x											
CAT6 keystone snap in	x	x	x	x											
CAT6 Plus		x		x											
Cat6Plus shielded module / C6CJAKS000CR	x	x	x	x											
Category 6 shielded tool-free jack 7 C6CJAKS000	x	x	x	x											
BTR*															
C6A module 180° / 130B11-E					x	x									
E-DAT module CAT6a 8(8)					x	x									
E-DAT module coupling 8(8) CAT6 1309A0-I	x	x	x	x	x	x									
E-DAT module coupling 8(8) CAT6 1309A0-I					x	x									
UTP module CAT5e / 130A08-I / 130A08-I-B1	x	x	x	x											
UAE module CAT5e unshielded 130908-	x	x	x	x											
UAE module CAT6 130909-I / 130909-I-B1					x	x									
UTP module 8 (8) CAT6 / 130A10-I / 130A10-29-I / 130A10-29-I-B1	x	x	x	x											
CIMABOX*															
CAT5e and CAT6 keystone CJ545U / CJ545F	x	x	x	x											
Shielded and unshielded CJ645U / CJ645F	x	x	x	x											
COBINET*															
TopConnect RJ45 patch cable coupling			x	x											
RJ45 module TopKey			x	x											
CORNING*															
S10 TEN / CAXTSM-00112-C001								x							
S10 TEN fx / CAXTSM-00112-C004								x							
S100 e / CAXDSM-00100-C001								x							
S100 eL / CAXGSM-00100-C001								x							
S1200 module S1200 shielded CAT7 / CAXFSM-00100-C001												x	x		
S250 fx / CAXESM-00100-C004								x							
S250 module / CAXESM-00100-C001								x							
S500 fx / CAXASM-00104-C002								x							
S500fx module / CAXBSM-00104-C002	x	x	x	x											
S500 module / CAXBSM-00104-C001	x	x	x	x											
S500 module / CAXASM-00104-C001								x							

* Name and product designation of manufacturer

Custom modules

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
DAETWYLER*															
unilan RJ45 coupling CAT6 417 446	x	x	x	x											
unilan module KS 1 / 8 CAT6 RJ45 418 050	x	x	x	x											
unilan module KS 1 / 8 CAT5e RJ45 418 051	x	x	x	x											
unilan module KST 1 / 8 toolless CAT6 RJ45 418 053	x	x	x	x											
unilan module KU 1 / 8 CAT6 418 080	x	x	x	x											
unilan module KU 1 / 8 CAT6 418 081	x	x	x	x											
unilan module KU 1 / 8 CAT5e 418 082	x	x	x	x											
unilan module KU 1 / 8 CAT5e 418 083	x	x	x	x											
unilan® module PS-GG45 7A 1000 MHz 400 102 + 400 103****		x		x											
unilan® module KS-T 6A 1/8 tool-less cat. 6A/EA, shielded 418 060	x	x	x	x											
unilan® module KS-TS 6 1/8 toolless Slimline cat.6/EA shielded 418 054	x	x	x	x											
unilan® RJ45 keystone coupler CAT6 / 418 057	x	x	x	x											
unilan® module KS-T5 1/8 tool-less cat. 5e, shielded / 418 055	x	x	x	x											
unilan® RJ45 module MS-K 1/8 cat. 6a shielded - modular solution 440 001	x	x	x	x											
unilan® module MS-K Plus 1/8 cat. 6A, shielded 440 004	x	x	x	x											
unilan MS 1 / 8 CAT6 RJ45					x	x									
unilan RJ45 feedthrough coupling CAT6					x	x									
unilan MU 1 / 8 CAT6 RJ45					x	x									
unilan PS 1 / 8 CAT7												x	x		
	x	x	x	x											
EFB ECOLAN*															
E-20050	x	x	x	x											
E-20051	x	x	x	x											
E-20060	x	x	x	x											
E-20061	x	x	x	x											
37.486.1	x	x	x	x											
37.488.1	x	x	x	x											
37.508.2	x	x	x	x											
		x		x											
ERSYS*															
CAT5C-SIJ-FKey-002		x		x											
Ersys 356k-8c5e		x		x											
Ersys 628MC-8-C5E		x		x											
	x	x	x	x											
GIGAMEDIA*															
RJ45 CAT6 UTP / STP	x	x	x	x											
RJ45 CAT6 contacts 110 UTP / STP	x	x	x	x											
RJ45 CAT5e UTP / STP	x	x	x	x											
3M*															
Volition RJ45 K6 module without shielding cover*		x		x											

* 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*															
ELine 250 MLS RJ45 shielded	x	x	x	x											
ELine 250 MLU RJ45 unshielded	x	x	x	x											
ELine 600® GG45 socket / 9ZE20001	x	x	x	x											
Variokeystone socket module RJ45					x	x									
	x	x	x	x											
NEXANS* (requires additional keystone clip to fit)															
LANmark-5 snap-in EVO									x	x					
LANmark-6 EVO RJ45 snap-in									x	x					
LANmark-6 10G snap-In									x	x					
LANmark-7 GG45 snap-in									x	x					
					x	x									
Panduit*															
Mini-Com® Mini-Jack™ category 3 UTP jack modules														x	
Mini-Com® TX5e™ keyed shielded jack modules														x	
Mini-Com® category 6 UTP coupler module														x	
Reichle de Masari*															
RDM CAT6															x
RUTENBECK*															
UM-real. cat. 6a A	x	x	x	x											
	x	x	x	x											
SETEC*															
CAT6 modular keystone jack shielded	x	x	x	x											
SeSix eXtra keystone jack XKJ	x	x	x	x											
SeSix universal keystone jack UKJ	x	x	x	x											
SeSix modular keystone jack MKJ	x	x	x	x											
SYSTIMAX*															
MGS500 CAT6 series							x								
MGS400 series							x								
								x							
TELEGÄRTNER*															
AMJ module K CAT6+	x	x													
AMJ coupling K CAT6	x	x													
AMJ coupling K CAT5e	x	x													
	x	x	x	x											
TKM*															
RJ-MOD - cat. 6 / 4677682	x	x	x	x											
GG45 / 4677701 (can be fitted with keystone clip)	x	x	x	x											

* Name and product designation of manufacturer

Custom modules

Video and audio modules

See the glossary for detailed information on use/application

Front	Rear	Art. no.	Version

Custom module 1 x VGA + miniature jack — Black
917.045
· Front: VGA socket and miniature jack
· Rear: VGA socket and miniature jack with approx. 0.1 m cable
· Requires approx. 70 mm installation depth

Custom module 1 x VGA + miniature jack — Black
917.071
· Front: VGA socket and miniature jack
· Rear: 10-pole screw terminal (VGA) and 3-pole (stereo)
· Requires approx. 50 mm installation depth

Custom module 1 x VGA + miniature jack — White
917.160
· Front: VGA socket and miniature jack
· Rear: 10-pole screw terminal (VGA) and 3-pole (stereo)
· Requires approx. 50 mm installation depth

Custom module 1 x VGA + miniature jack — Black
917.073
· Front: VGA socket and miniature jack
· Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) and 3-pole (stereo)
· Requires approx. 50 mm installation depth

Custom module 1 x VGA + miniature jack — Black
917.150
· Front: VGA socket and miniature jack
· Rear: VGA + miniature jack socket with approx. 0.2 m cable each
· Requires approx. 50 mm installation depth

Custom module 1 x VGA + miniature jack and button for MediaNet switch — Black
917.134
· Front: VGA socket and miniature jack + button, blue illuminated
· Rear: VGA socket and miniature jack with approx. 0.1 m cable + RJ12 socket for button
· Requires approx. 70 mm installation depth

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

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

Art. no.	Version	Front	Rear

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

917.074
· Front: VGA socket and miniature jack + button, blue illuminated
· Rear: 10-pole screw terminal (VGA) and 3-pole (stereo) + micro clamp terminal (button)
· Requires approx. 50 mm installation depth

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

917.077
· Front: VGA socket and miniature jack + button, blue illuminated
· Rear: 5 x BNC socket with approx. 0.3 m cable (VGA) and 3-pole (stereo) + micro clamp terminal (button)
· Requires approx. 50 mm installation depth

Custom module 1 x VGA   **Black**

917.011
· Front: VGA socket
· Rear: VGA socket
· Requires approx. 70 mm installation depth

Custom module 1 x VGA   **Black**

917.069
· Front: VGA socket
· Rear: 10-pole screw terminal (VGA)
· Requires approx. 50 mm installation depth

Custom module 1 x VGA   **Black**

917.070
· Front: VGA socket
· Rear: 5 x BNC socket with approx. 0.3 m cable (VGA)
· Requires approx. 35 mm installation depth

Custom module 1 x VGA   **Black**

917.072
· Front: VGA plug
· Rear: 10-pole screw terminal (VGA)
· Requires approx. 50 mm installation depth

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Custom modules

Video and audio modules   See the glossary for detailed information on use/application

Front	Rear	Art. no.	Version

Custom module 1 x DVI-I + miniature jack   **Black**

917.021
· Front: DVI-I socket and miniature jack
· Rear: DVI-I socket and miniature jack with approx. 0.1 m cable each
· Requires approx. 75 mm installation depth

Custom module 1 x DVI-I   **Black**

917.078
· Front: DVI-I socket
· Rear: DVI-I socket with approx. 0.1 m cable
· Requires approx. 75 mm installation depth

Custom module 1 x HDMI keystone   **Black**

918.040
· Front: HDMI socket
· Rear: HDMI socket without cable
· Fits into keystone frame 917.000 or 917.001
· Requires approx. 85 mm installation depth

Custom module 1 x HDMI   **Black**

917.143
· Front: HDMI socket
· Rear: screw terminal 2 x 9-pole (HDMI)
· Requires approx. 40 mm installation depth

Custom module 1 x HDMI   **White**

917.183
· Front: HDMI socket
· Rear: screw terminal 2 x 9-pole (HDMI)
· Requires approx. 40 mm installation depth

Custom module 1 x display port   **Black**

917.145
· Front: display port socket
· Rear: display port socket, without cable
· Requires approx. 70 mm installation depth

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Custom modules

Video and audio modules

See the glossary for detailed information on use/application

Art. no.	Version		Front	Rear

Module 1 x video + Cinch stereo BVM-1 — **Black**

917.026
· Front: Cinch video (yellow) + Cinch stereo (red + white) socket
· Rear: Cinch socket without cable

Custom module 1 x Cinch video + stereo — **Black**

917.085
· Front: Cinch video (yellow) + Cinch stereo (red + white) socket
· Rear: 10-pole screw terminal (VGA)
· Requires approx. 50 mm installation depth

Custom module 1 x Cinch video + stereo — **White**

917.161
· Front: Cinch video (yellow) + Cinch stereo (red + white) socket
· Rear: 10-pole screw terminal (VGA)
· Requires approx. 50 mm installation depth

Module 1 x VBNC + Cinch stereo — **Black**

917.027
· Front: BNC video (yellow) + Cinch stereo (red + white) socket
· Rear: BNC + Cinch socket without cable

Module 1 x S-Video + Cinch stereo — **Black**

917.028
· Front: S-Video (S-VHS) + Cinch stereo (red + white) socket
· Rear: S-Video + Cinch socket without cable

Module 1 x S-Video + Cinch stereo — **Black**

917.081
· Front: S-Video + Cinch stereo (red + white) socket
· Rear: screw terminal 4-pole (S-Video) + 3-pole (stereo)
· Requires approx. 30 mm installation depth

Custom module 1 x S-Video + Cinch stereo — **White**

917.162
· Front: S-Video + Cinch stereo (red + white) socket
· Rear: screw terminal 4-pole (S-Video) + 3-pole (stereo)
· Requires approx. 30 mm installation depth

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

Video and audio modules

See the glossary for detailed information on use/application

Front   Rear

Art. no.	Version

Module 1 x S-Video + Cinch stereo	**Black**
917.035	· Front: S-Video (S-VHS) + Cinch video (yellow) socket
	· Rear: S-Video + video socket without cable

Custom module 1 x S-Video + Cinch video	**Black**
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 (stereo)
	· Requires approx. 30 mm installation depth

Custom module 1 x BNC R / G / B	**Black**
917.088	· Front: BNC socket R / G / B (red / green / blue)
	· Rear: screw terminal 6-pole
	· Requires approx. 30 mm installation depth

Custom module 1 x BNC R / G / B	**Black**
917.090	· Front: BNC socket R / G / B (red / green / blue)
	· Rear: BNC socket R / G / B (red / green / blue)
	· Requires approx. 65 mm installation depth

Custom module 1 x sat / TV / radio	**Black**
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 TV / radio	**Black**
917.117	· Front: 2 x coax (TV + radio)
	· Rear: 2 x coax (TV + radio)
	· Requires approx. 50 mm installation depth

Custom module 1 x Cinch stereo	**Black**
917.022	· Front: Cinch stereo socket (red + white)
	· Rear: Cinch stereo (red + white) socket without cable
	· Requires approx. 55 mm installation depth

■ **FACILITY SYSTEMS**   ■ **IT RACK PANELS**   ■ **ELECTRICAL INSTALLATIONS**

Video and audio modules

See the glossary for detailed information on use/application

Art. no.	Version		Front	Rear
	Custom module 1 x Cinch stereo	**Black**		
917.089	· Front: Cinch stereo socket (red + white) · Rear: 3-pole screw terminal (stereo) · Requires approx. 35 mm installation depth			
	Custom module 1 x Cinch stereo	**White**		
917.163	· Front: Cinch stereo socket (red + white) · Rear: 3-pole screw terminal (stereo) · Requires approx. 35 mm installation depth			
	Custom module 1 x 3.5 mm miniature jack	**Black**		
917.023	· Front: 3.5 mm stereo miniature jack socket (red + white) · Rear: Cinch stereo socket (red + white) · Requires approx. 65 mm installation depth			
	Custom module 1 x miniature jack 3.5 mm keystone	**Black**		
917.157	· Front: 3.5 mm stereo miniature jack socket · Rear: Miniature jack socket with approx. 0.1 m cable · Fits into keystone frame 917.000 or 917.001 · Requires approx. 65 mm installation depth			
	Custom module 1 x 3.5 mm miniature jack	**Black**		
917.091	· Front: 3.5 mm stereo miniature jack socket · Rear: screw terminal 3-pole · Requires approx. 35 mm installation depth			
	Custom module 1 x 3.5 mm miniature jack	**White**		
917.164	· Front: 3.5 mm stereo miniature jack socket · Rear: screw terminal 3-pole · Requires approx. 35 mm installation depth			
	Custom module 1 x 6.3 mm stereo jack	**Black**		
917.036	· Front: stereo jack socket 6.3 mm · Rear: cable approx. 0.1 m with jack socket 6.3 mm · Requires approx. 65 mm installation depth			
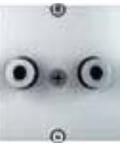
Custom modules

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

Audio modules

See the glossary for detailed information on use/application

Front	Rear	Art. no.	Version

Custom module 1 x XLR microphone 3-pole — Black

917.024
· Front: XLR 3-pole microphone socket
· Rear: cable approx. 0.1 m with XLR plug 3-pole
· Requires approx. 65 mm installation depth

Custom module 1 x XLR socket 3-pole — Black

917.096
· Front: XLR 3-pole socket
· Rear: screw terminal 3-pole
· Requires approx. 40 mm installation depth

Custom module 1 x XLR socket 3-pole — White

917.165
· Front: XLR 3-pole socket
· Rear: screw terminal 3-pole
· Requires approx. 40 mm installation depth

Custom module 1 x XLR socket 4-pole — Black

917.099
· Front: XLR 4-pole socket
· Rear: screw terminal 4-pole
· Requires approx. 40 mm installation depth

Custom module 1 x XLR socket 5-pole — Black

917.101
· Front: XLR 5-pole socket
· Rear: screw terminal 5-pole
· Requires approx. 40 mm installation depth

Custom module 1 x XLR plug 3-pole — Black

917.095
· Front: XLR 3-pole plug
· Rear: screw terminal 3-pole
· Requires approx. 40 mm installation depth

Custom module 1 x XLR plug 4-pole — Black

917.098
· Front: XLR 4-pole plug
· Rear: screw terminal 4-pole
· Requires approx. 40 mm installation depth

■ FACILITY SYSTEMS ■ IT RACK PANELS ■ ELECTRICAL INSTALLATIONS

Custom modules

Audio modules

See the glossary for detailed information on use/application

Art. no.	Version		Front	Rear
Custom module 1 x XLR plug 5-pole		**Black**		
917.100	· Front: XLR 5-pole plug			
	· Rear: screw terminal 5-pole			
🟩🟧🟦	· Requires approx. 40 mm installation depth			
Custom module Combo series 1 x XLR socket 3-pole + 1 x 6.3 mm jack socket		**Black**		
917.094	· Front: XLR socket 3-pole + 6.3 mm stereo jack socket			
	· Rear: Screw terminal 2 x 3-pole			
🟩🟧🟦	· Requires approx. 40 mm installation depth			
Custom module 1 x Speakon 2-pole + 6.3 mm stereo jack		**Black**		
917.102	· Front: Speakon socket + 6.3 mm stereo jack			
	· Rear: screw terminal			
🟩🟧🟦	· Requires approx. 50 mm installation depth			
Custom module 1 x Speakon 4-pole		**Black**		
917.110	· Front: Speakon 4-pole socket			
	· Rear: screw terminal			
🟩🟧🟦	· Requires approx. 40 mm installation depth			
Custom module 1 x stereo loudspeaker connection		**Black**		
917.114	· Front: stereo loudspeaker connection (red + white)			
	· Rear: screw terminal			
🟩🟧🟦	· Requires approx. 30 mm installation depth			

🟩 FACILITY SYSTEMS 🟧 IT RACK PANELS 🟦 ELECTRICAL INSTALLATIONS

Data transmission

See the glossary for detailed information on use/application

Front · · · · Rear

Art. no.	Version

Custom module 1 x USB 3.0 A / A keystone — Black

917.120	· Front: USB A socket
	· Rear: USB A socket
	· Fits into keystone frame 917.000 or 917.001 (see page 72)
	· Requires approx. 85 mm installation depth

Custom module 2 x USB 2.0 A / A — Black

917.141	· Front: 2 x USB A socket
	· Rear: Screw terminal 2 x 4-pole
	· Requires approx. 40 mm installation depth

Custom module 2 x USB 2.0 A / A — White

917.182	· 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

917.018	· Front: USB A socket
	· Rear: USB B socket
	· Requires approx. 85 mm installation depth

Custom module 1 x USB 2.0 B / A — 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 socket 6-pole
	· Rear: FireWire socket 6-pole
	· Requires approx. 85 mm installation depth

Custom module RS232 socket — Black

917.075	· Front: RS232 SubD 9-pole socket
	· Rear: screw terminal 9-pole
	· Requires approx. 40 mm installation depth

Custom module RS232 plug — Black

917.076	· Front: RS232 SubD 9-pole plug
	· Rear: screw terminal 9-pole
	· Requires approx. 40 mm installation depth

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Custom modules

Data transmission

See the glossary for detailed information on use/application

Art. no.	Version

Custom module 1 x RS232 socket	**Black**
917.012	· Front: RS232 SubD 9-pole socket
	· Rear: RS232 SubD 9-pole socket
	· Requires approx. 70 mm installation depth

Front   Rear

Custom module 1 x RS232 crossover socket	**Black**
917.116	· Front: RS232 SubD 9-pole socket
	· Rear: RS232 SubD 9-pin crossover plug (crossed)
	· Requires approx. 70 mm installation depth

Custom module PS2 mouse + keyboard	**Black**
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

Power transmission

Art. no.	Version

Custom module Power Con blue (power input)	**Black**
917.112	· Front: Power Con socket, blue
	· Rear: Screw terminal, incl. 2 crimp sleeves and cover cap
	· Requires approx. 40 mm installation depth

Custom module Power Con grey (power outlet)	**Black**
917.113	· Front: Power Con socket, grey
	· Rear: Screw terminal, incl. 2 crimp sleeves and cover cap
	· Requires approx. 40 mm installation depth

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Control

See the glossary for detailed information on use/application

	Art. no.	Version

Front   **Rear**

Custom module with stainless steel button		Black
917.046	· Front: stainless steel button; switching capacity: 50 mA/24 V/DC;	
	· Rear: screw terminal 2-pole	
	· Requires approx. 30 mm installation depth	
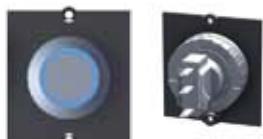
Custom module with stainless steel button, blue illuminated		Black
917.047	· Front: Stainless steel button, blue illuminated (ring illuminated); switching capacity: 50 mA/24 V/DC	
	· Rear: Solder pins 4-pole	
	· Requires approx. 30 mm installation depth	

Custom module with automatic switchoff button		Black
917.060	· Front: button, black;	
	· Rear: GST15i2 connector with approx. 1.0 m cable (suitable for power strips with automatic switchoff device, e.g. STEP switchoff device 906.005)	
	· Requires approx. 40 mm installation depth	

Custom module with button		Black
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)		Black
917.135	· Front: 2-pole rocker switch, green	
	· Rear: approx. 1.0 m H05VV-F 4G 1.50 mm² cable with end sleeves (labelled)	
	· Requires approx. 60 mm installation depth	

Custom module with 4-key keypad for MediaNet control unit		Black
917.127	· Front: 4 buttons, white, blue illuminated	
	· Rear: 2 x RJ45 sockets for connecting to media controller and linking to further modules of the same type	
	· Requires approx. 30 mm installation depth	
	· Note: cannot be used in electrical installations.	

Custom module with 4-key keypads for KNX application		Black
917.056	· Front: 4 buttons, white, blue illuminated, with various pictograms for labelling,programmable on KNX installations; with integrated bus coupler; voltage supply: system voltage 30 V DC via bus push-in terminal;	
	· Rear: Bus push-in terminal, 2-pole	
	· Requires approx. 35 mm installation depth	

Custom module with 4-key keypads for EnOcean application		Black
917.093	· Front: 4 buttons, white, blue illuminated, with various pictograms for labelling,programmable on EnOcean application; with built-in radio module, battery buffered;	
	· Requires approx. 35 mm installation depth	

■ **FACILITY SYSTEMS** ■ **IT RACK PANELS** ■ **ELECTRICAL INSTALLATIONS**

Accessories

See the glossary for detailed information on use/application

Art. no.	Version

Custom module blank cover	**Black**
917.009	· Blank cover as placeholder or for you to mount your own connector
	· Material: plastic, black, thickness 1.8 mm

Custom module blank cover	**White**
917.166	· Blank cover as placeholder or for you to mount your own connector
	· Material: plastic, white, thickness 1.8 mm

Custom module blank cover with screw dome	**Black**
917.010	· Blank cover as placeholder or for you to mount your own connector
	· Screw dome on rear side of module for fixing e.g. of boards or blank holders
	· Material: plastic, black, thickness 1.8 mm

Custom module blank cover with screw dome	**White**
917.167	· Blank cover as placeholder or for you to mount your own connector
	· Screw dome on rear side of module for fixing e.g. of boards or blank holders
	· Material: plastic, white, thickness 1.8 mm

Torx T6 screws for custom modules in facility power strips	**Black**
917.041	· Designed for 10 screwing cycles; contents: 10 pcs in colour black

Screws Torx T6 for custom modules in electrical installations (mounting plate) and 10" + 19" panels Black	
917.111	· Designed for 10 screwing cycles; contents: 10 pcs in colour black

Torx T6 screwdriver	**Black**
917.040	· 1 x Torx T6 screwdriver to fit the screws on the custom modules

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 sound signals to a complete central control of all media, this solution can be tailored to the needs of every user.

With its modern components, including control elements from the global market leader AMX® 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 systems.

Media Express

Plug-and-play for simplicity and efficiency.

Bachmann's Media Express system for media technology lets you switch between different image and sound signals and is already integrated in the connection panels of the Bachmann facility product ranges. In addition to switching between image and sound signals, Media Express also extends the network connection to each user.

Media Switch

Flexible and reliable thanks to high-quality components.

The Media Switch (Amx® inside) allows simple routing of image and sound signals from multiple users to various output devices such as projectors or monitors. All these elements can be combined with existing Bachmann facility products.

Media Control

Simple control of complex processes in media and facility applications.

The Media Control (Amx® inside) system uses control units to govern the various media from a central point. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy for visitors to grasp quickly.

Media technology

Media Express –

Plug-and-play for simplicity and efficiency.
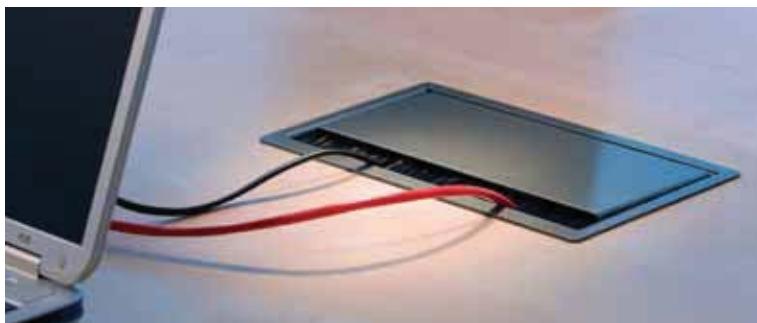
Problem-free integration

Media Express is the solution for simple switching between image and sound 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 sound signals to be sent from the connection panel to a D/V projector or monitor screen. Authorisation to transmit the user's image and sound signal is activated by means of a dedicated button. An LED on the button indicates activation.

For image transmission the common 15-pole VGA sub-D system is provided on the front of the connection panel. This allows laptops to be connected easily using VGA connector cables. Of particularly practical benefit, no additional signal booster is necessary as this is integrated into the feeder box. This assures problem-free image transmission (so long as the maximum number of users and cable length are observed). 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 6 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.).

The advantages at a glance	• Simple plug-and-play principle • Electronics already integrated in the connection panel • Available for most Bachmann facility systems • Pre-cabled • Extension of image, sound and network signals • Simple, decentralised signal switching • Compact and space-saving unit

Configuration information and lists of applications are available at **www.bachmann.com**.

Should you have any questions concerning your project, contact us at **media@bach-mann.com** for assistance.

Media technology

User 1

User 2

User 3

Media Express 1

Media Express 2

Media Express 3

Feeder box

User 4

Media Express 4

Projector, LCD plasma

Audio

User 5

Media Express 5

Network

Current

User 6
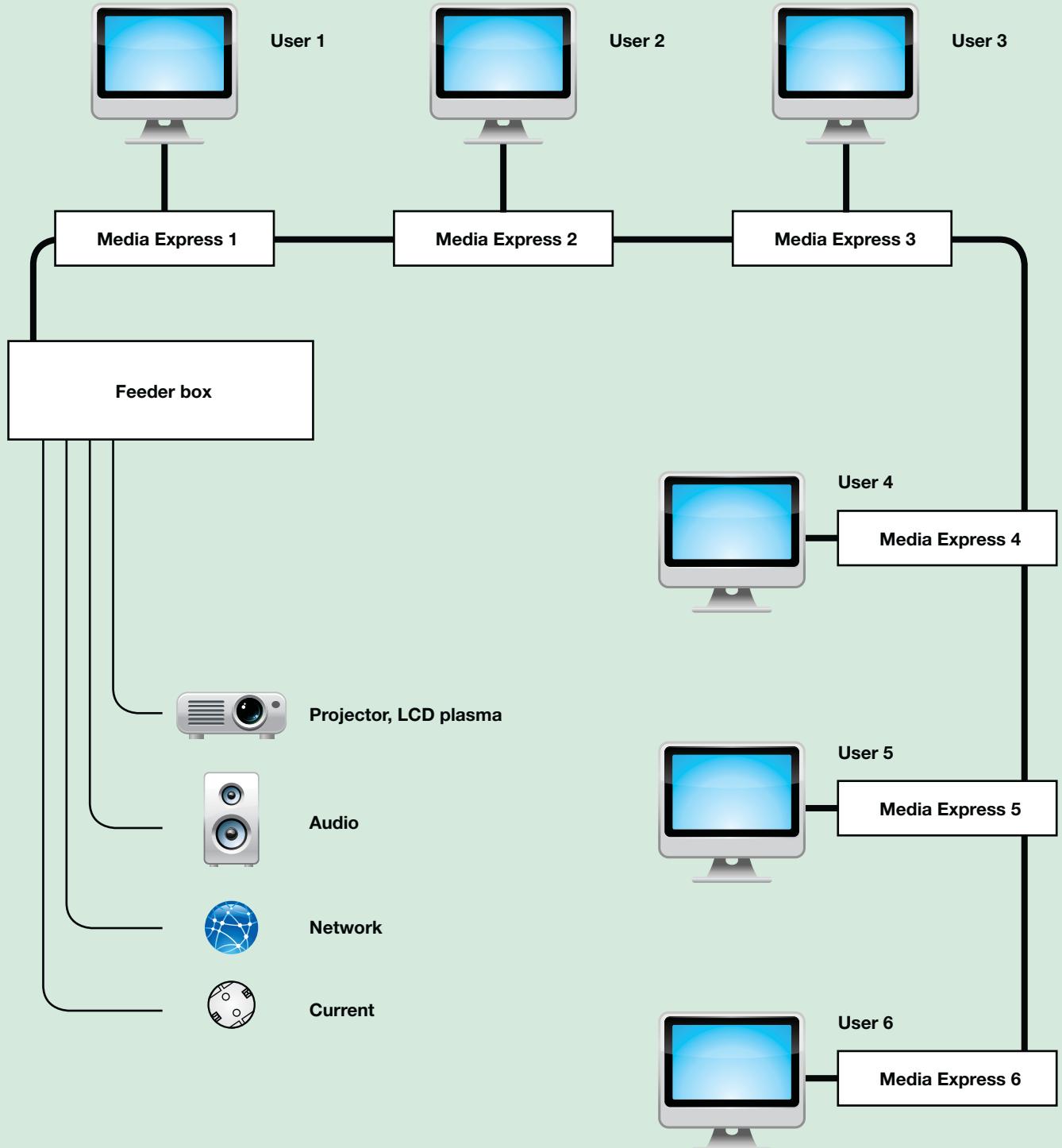
Media Express 6

Overview of Media Express connections

15-pole VGA sub-D interface
for image transmission

Authorisation request button
with visual acknowledgement

2 x LAN RJ45
sockets

3.5 mm miniature
jack stereo socket

Media Express technical data:

Video / audio:
- Hardware detect / automatic detection
- Input signal: – 0.7 Vss / 75 ohm RGB, 5 V H&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 V H&V-Sync, 3.5 Vss audio, 24 bit / 96 kHz
                    – 26-pin sub-D socket
- Video bandwidth: (+/- 3 dB) 300 MHz
- Resolution max: 1600 x 1024
- Transmission distance: 20 x MediaNet Express modules/cable length: max. 50 m in total
- Audio: stereo L/R

Connections:
- 1 x 15-pole VGA sub-D
- 1 x 3.5 mm miniature jack stereo socket
- 2 x LAN RJ45 sockets
- Sockets as per connection unit selected

Network:
- 2 x RJ45 ports, 10 / 100 Mbit
- CAT5 with LED (speed and active LED)

Power supply unit:
- 2.5 A; 18 V
- Max. current consumption per connection unit: - 500 m A

Media Express

The Media Express unit can also be integrated into other facility systems such as Power Frame, Desk and Step. Please ask us for the configuration you require.

· Anodised aluminium profile, black socket outlets, rotated 35°
· Media Express
· Power input: GST18i3
· Power outlet: GST18i3

Art. no.	Version
1x earthing contact, GST18i3, short (TOP FRAME, CONFERENCE)	**Length: approx. 260 mm**
1 x Media Express	
903.2000	· 1 socket outlet with earthing contact · 1 Media Express

Art. no.	Version
3 x earthing contact, GST18i3, long (TOP FRAME, CONFERENCE)	**Length: approx. 444 mm** CUSTOM
1 x Media Express, 2 x custom modules	
903.2001	· 3 socket outlets with earthing contact · 1 Media Express · 2 custom modules, empty

Art. no.	Version
2 x earthing contact, GST18i3 (CONI)	**Length: approx. 356 mm** CUSTOM
1 x Media Express, 1 x custom module	
903.3000	· 2 socket outlets with earthing contact · 1 Media Express · 1 custom module, empty

Art. no.	Version
3 x earthing contact, GST18i3 (CONI)	**Length: approx. 356 mm**
1 x Media Express	
903.3001	· 3 socket outlets with earthing contact · 1 Media Express

Media technology

Media Express feeder box

Art. no.	Version
Media Express feeder box	
Signal feeder unit for Media Express system	

903.400	· Distribution of signals:
	  – Image (D/V projector), 15-pole VGA sub-D to 26-pole sub-D
	  – Sound (loudspeakers), Cinch stereo to 26-pole sub-D
	  – Data (network), RJ45 to RJ45
	  – Signal authorisation on 26-pole 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 15-pole VGA plug/26-pole sub-D socket · 1 x CAT6 patch cable plug/plug, shielded · 1 x power cable, right-angle earth contact plug and GST18i3 socket

Media Express connector cable

· Connecting cable, length 2.0 m
· 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	
903.600	· 1 x 26-pole sub-D (90° plug/45° socket) · 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		For articles of your choice, see page 97	**Media Express**
		(903.2000, 903.2001, 903.2000, 903.2001)	

Quantity	Art. no.	Description	
1 x	903.400	Signal feeder unit for Media Express system	**Feeder cable**
1 x	903.500	Feeder cable to feeder box	

Quantity	Art. no.	Description	
3 x	903.600	Connecting cable to link one connection	**Connection**
		unit to another	

Projector   **Audio**   **Network**   **Current**

Configuration information and lists of applications are available at **www.bachmann.com**.
Should you have any questions concerning your project,
contact us at **media@bachmann.com** for assistance.

Media Switch –

flexible and reliable thanks to high-quality components.

Easy to install

Today's meeting rooms are equipped such that the signal to an output device (projector etc.) can be switched between various sources. Key requirements are also ease of installation, ease of use and flexibility.
An exemplary solution to all these requirements is the Media Switch system.

Ease of integration

The control elements can be fitted into existing Bachmann facility products on a plug-and-play basis. Like all Bachmann media technology systems, Media Switch is also simple to plan, easy to install and straightforward to use. Multiple users can dock their laptops simultaneously via the multiple connection panels.

The VGA sockets on the connection panels allow e.g. presentations to be sent to the projector. As soon as a user presses the button on his/her connection panel, the switch selects the image signal on that panel/laptop. The connection to the switch / changeover switch is set up via a pre-prepared set of cables. Pressing the button issues a command to the switch / changeover switch to route the incoming image and sound signals to the projector and loudspeakers.

Signal booster

To ensure problem-free image signals, it is recommended that signal boosters are used with the Media Switch system. This enables image signals from devices with less powerful graphics cards to be transmitted with significantly better quality. The signal booster is fitted between each connection panel and the switch / changeover switch.

Switching is effected by pressing the button on a custom module with VGA and miniature jack on the connection panel. As soon as the button is pressed, the image and sound signals are routed to the switch / changeover switch. The button is illuminated blue until another user activates the button on his/her own connection panel to obtain signal authorisation.

The advantages at a glance	• Simple, low-cost signal switching • Star configuration, ideal for small meeting rooms • Plug-and-play connections • Decentralised switching: each user can request authorisation by pressing a button • Additional switches / changeover switches can be cascaded one after the next to expand the system for larger numbers of users • Connects to all Bachmann facility systems via built-in VGA, miniature jack and switch button connections (see art. no. 917.143) • Pre-prepared cabling for connection between connection panel/signal booster and switch / changeover switch

User 1

User 2

User 3

Power strip

Power strip

Power strip

Media Switch
6-way

Power strip

Power strip

Power strip

User 4

User 5

User 6

Projector, LCD plasma

Audio

Key:

———— VGA / audio

———— Control signal

Media technology
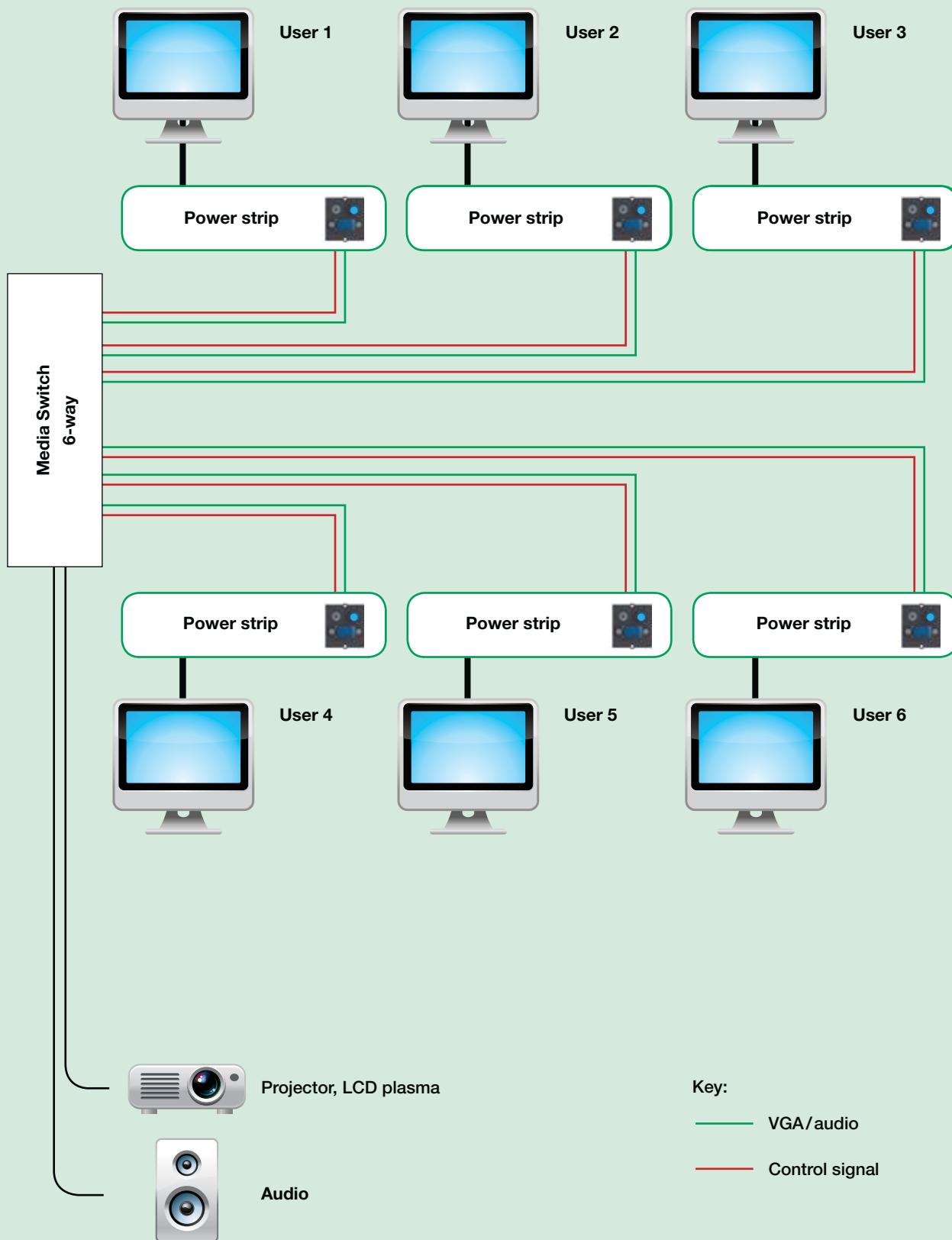
Switcher / changeover switch

· Power supply: 9–12 V DC 15 W

· Includes power cable and operating instructions in German and English

For switch / changeover switch **903.100** there are two options for connecting to the custom module **917.134**:

1. Without acknowledgement of signal authorisation, i.e. button is not illuminated when authorisation is granted. For this the set is used with **signal authorisation 903.113** (see page 118).

2. With acknowledgement of signal authorisation, i.e. button is illuminated blue when authorisation is granted. For this the set is used with **signal authorisation 903.112** (see page 118).

Art. no.	Version

Switch / changeover switch	**L x W x H: 145 x 115 x 40 mm**
2 x VGA / audio input, 1 x VGA / audio output	
903.100	· RGB input / output: analogue HD-15 (VGA)
	– Impedance 75 ohms / Max. signal level 1 V p-p
	– RGB bandwidth: 400 MHz -3 dB
	– RGB return loss: 45 dB@10 MHz, 27 dB@100 MHz
	– Adjacent input crosstalk: 73 dB@10 MHz, 50 dB@100 MHz
	· Audio input / output: analogue 3.5 mm stereo / Max level 2 V p-p

For the switch / changeover switch **903.101** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 118) with visual acknowledgement as button illumination.

Art. no.	Version

Switch / changeover switch	**L x W x H: 225 x 125 x 45 mm**
4 x VGA / audio input, 1 x VGA / audio output	
903.101	· RGB input / output: analogue HD-15 (VGA)
	– Impedance 75 ohms / Max. signal level 1 V p-p
	– RGB bandwidth: 350 MHz -3 dB
	– RGB return loss: 45 dB@10 MHz, 32 dB@100 MHz
	· Audio input / output: analogue 3.5 mm stereo / Max level 2 V p-p

Suitable mountings on page 118

For the switch / changeover switch **903.102** there are the options of connecting the custom module **917.134** by means of the signal converter **903.112** (see page 118) with visual acknowledgement as button illumination.

Art. no.	Version

Switch / changeover switch	L x W x H: 482 x 170 x 45 mm
6 x VGA / audio input, 1 x VGA / audio output	

903.102	· RGB input / output: analogue HD-15 (VGA)
	– Impedance 75 ohms / Max. signal level 1 V p-p
	– RGB bandwidth: 400 MHz -3 dB
	– RGB return loss: 45 dB@10 MHz, 2 dB@100 MHz
	· Audio input / output: analogue 3.5 mm stereo / Max level 2 V p-p
	· Mounting for 19" fitting included

Suitable mountings on page 114

Signal booster

· Interference can sometimes occur, particularly with image transmission. This may be caused e.g. by lower-power graphics cards on the laptop or by long cable lengths
· To improve these image signals we recommend that each user uses a signal booster
· This provides optimum boosting of the signals and prevents interference when used by different users
· Additional output (VGA 15HD) allows an additional monitor to be connected
· Compact, easily-installed unit

Art. no.	Version

Signal booster VGA	**L x W x H: 150 x 70 x 35 mm**
1 x VGA input, 2 x VGA output	
903.104	· RGB input / output: analogue HD-15 (VGA),
	– 1 x video IN/2 x video OUT
	– Impedance 75 ohms / Max. signal level 1 V p-p
	– Output gain 1.0 (unity)
	– RGB bandwidth: 400 MHz -3 dB
	– Power supply: 9 V DC 3 W
	· Includes power cable and operating instructions in German and English

Typical order for 4 presentation stations

mediatechnology>

Quantity	Art. no.	Description
4 x		Power strips from Bachmann facility systems with blank space for custom module
4 x	917.134	Custom module VGA, miniature jack and button for Media switch

Desk connection panel

Quantity	Art. no.	Description
4 x	903.104	VGA signal booster
4 x	918.009	VGA connecting cable from power strip to signal booster
		optional:
4 x	918.023	Mounting

Signal booster

Quantity	Art. no.	Description
1 x	903.101	Switch, 4-way, VGA + audio
1 x	918.023	Mounting

Switch

Quantity	Art. no.	Description
4 x	903.107-110	VGA + sound + authorisation cable set / own choice of length
1 x	903.112	Signal converter, 2–6-way with acknowledgement

Cabling

Projector   **Audio**

Configuration information and lists of applications are available at **www.bachmann.com**.
Should you have any questions concerning your project, contact us at **media@bachmann.com** for assistance.

Media Control –

simple control of complex processes in media and facility applications.

Central control

To control a variety of media from a central point, control units are used. This makes it possible to activate various processes in a meeting or conference environment at the touch of a button on the Bachmann connection panel. The system is very user-friendly and easy even for visitors or new users to grasp quickly. The various procedures can be individually performed between the operator panel (in the connection panel) and the control unit.

Simple to programme

Programming is very simple and can soon be set up with the software provided and the instruction manual (German/English). Subsequent alterations or additions can also be entered without problems.

The control functions can be used to control various media: e.g. projector, DVD, SAT, TV, projector screen, lighting, blinds etc.
The 2 built-in 230 V~ 10 A relays can be used for example to connect a screen directly to the control unit. This means that a power cable is sufficient for control.

| The advantages at a glance | • Central control of multiple media
• Very easy to use
• Simple to install and easy-to-learn programming
• Plug-and-play operation adapted to Bachmann connection panels
• Up to 6 button modules can be connected in series or 2 strings with additional modules can be programmed for up to 24 button commands
• Multiple buttons can be programmed on the control unit with the same command (thus also allowing decentralised control)
• Simple connection of button modules via standard RJ45 patch cables (plug/plug)
• 2 built-in relays, 230 V~ 10 A with 1 earthing contact coupling each for direct connection
• Ready-to-connect unit with accessories (programming cable, IR transmitter)
• Can be retrofitted to existing systems
• Pre-programmed demo version on CD
• Basic programming can be reinstalled if necessary (from CD or download)
• If desired, programming (sequences, devices etc.) can be created and made available by Bachmann as an option |

User 1

Power strip

User 2

Power strip

Users 3-24

Power strip

Sat / DVD / CD

HD / DV

Media Switch
6-way

Media Control

Projector,
LCD plasma

Audio

Building technology

Screen

Lighting

Blinds

Key:

VGA / audio

Control signal

Media technology
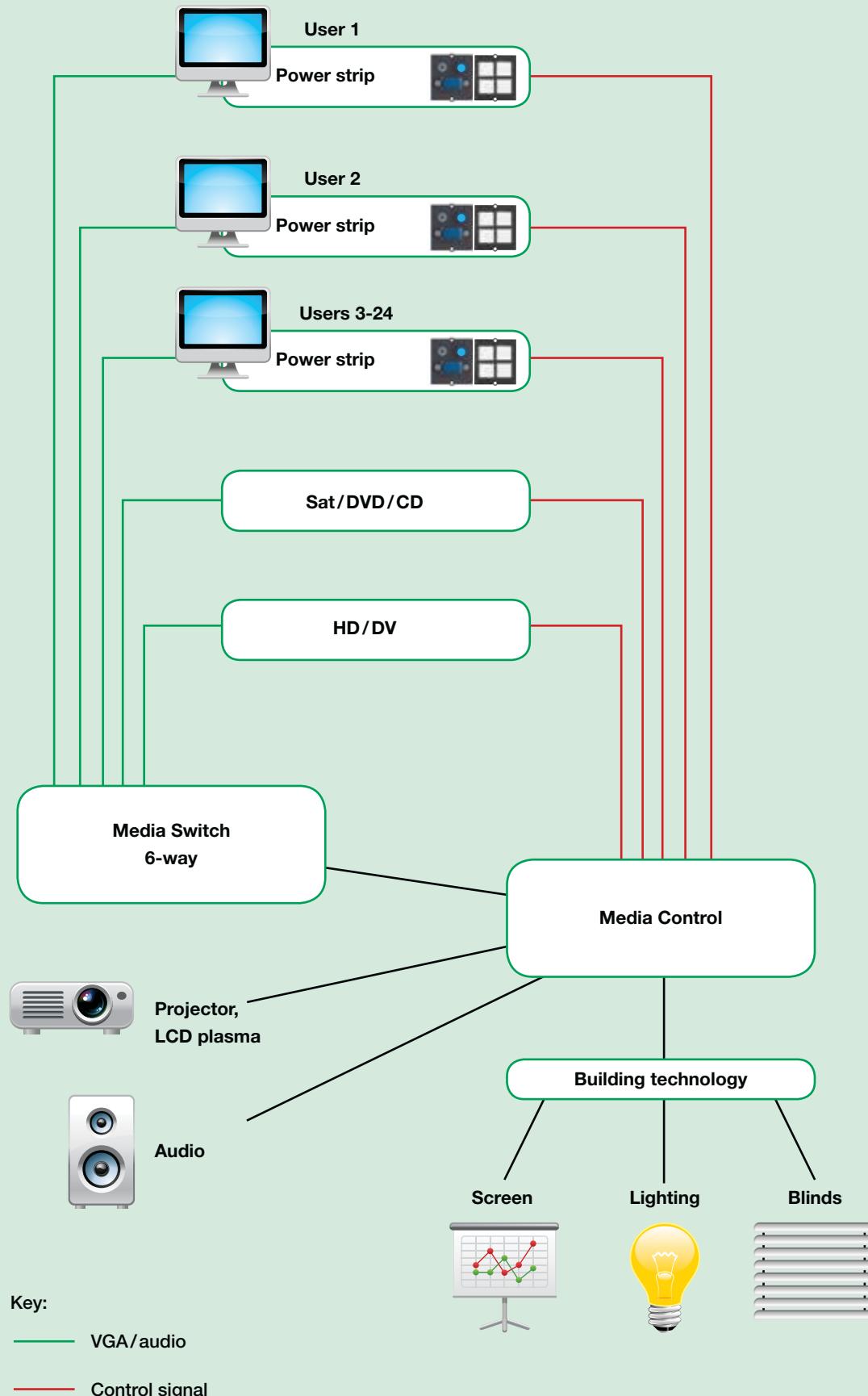
Media control

The software supplied makes even complex procedures simple to programme.
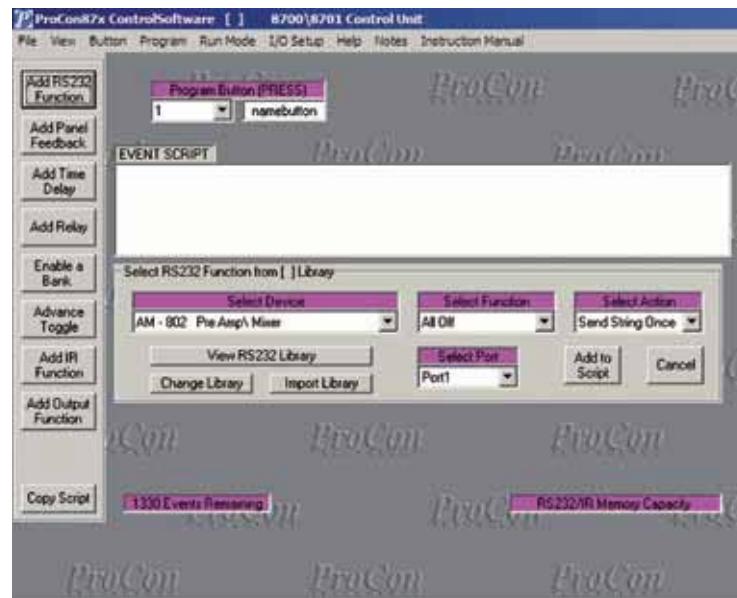
Start programmed procedures by pressing button
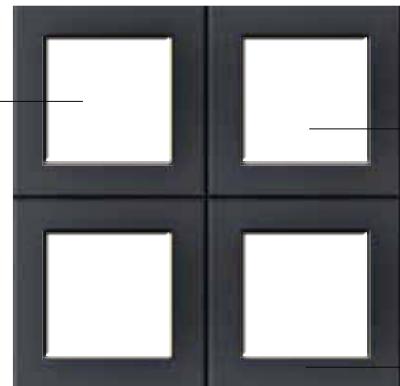
Pictograms for other button functions are provided

Cascadable up to 6 button arrays with 24 procedures
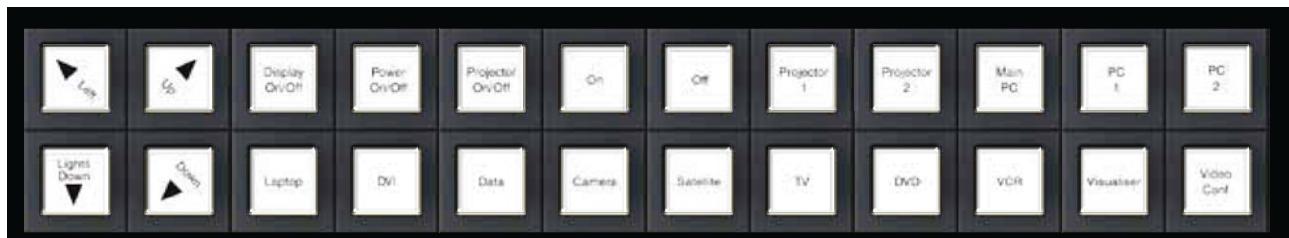
Media Control

· Memory = 8 Kb
· 2 x 230 V~ relays 10 A built-in
· 2 x RS-232 interface
      – Baud rate 1200–57 600
      – Data bits 7/8
      – Stop bits 1/2
      – Command string 1–22 bytes
· 2 x infrared interface PPM or PWM
      – PWM frequency 30–62 KHz
· Power connection: 100–240 V~
· PSU, programming cable, 2 x infrared transmitters, programming software and operating instructions in German and English included

Art. no. | Version

Control unit	L x W x H: 225 x 125 x 45 mm
Control system with programming function	
903.105*	· Control system with programming function · I/O port: external switch detect input

Control unit TCP / IP	L x W x H: 225 x 125 x 45 mm
Control system with programming function and TCP/IP interface	
903.106*	· Control system with programming function and TCP/IP interface · Devices from different manufacturers can communicate via the network · I/O port: Input: external switch detect

Programming according to requirements	
Available for control units 903.105 and 903.106	

903.114	· Programming is done by entering:
	    – connected devices (manufacturer, type)
	    – required procedures (max. 24 commands)
	· The file is sent via e-mail

*No storage type /

Switch function

Combined source switch for 4 to 2 VGA, 6 to 2 S-video or CVBS and 10 to 2 stereo audio signals.
In all cases the output signal is present on the two outputs at the same time.

Ideal for applications with multiple different signal sources - RGBHV, S-video, CVBS and audio.
The six video inputs can be connected to either an S-video or a CVBS signal.
A combination of both signal types is possible.

The 10 audio inputs are designed for unbalanced stereo audio signals.
One output offers an unbalanced and the other a balanced stereo signal for further processing.
The audio input signal levels and the volume of the audio outputs are adjustable. Sound and video
can both be silenced (mute/blank).

Control function

The functions are controlled manually via the front operator panel or remotely via RS-232 from a button
module on a connection panel. When operating the unit via RS-232 it is possible to switch audio and
video inputs separately. A programmable RS-232 output port is also provided; this can be used to
control displays or projectors.

Art. no.	Version

Switch / changeover switch presentation	L x W x H: 150 x 70 x 35 mm
4 x input/2 x output VGA, 10 x input/2 x output audio, 6 x input/2 x output S-video	
903.103	· Inputs/signals: 4 x RGBHV, 6 x S-video/CVBS, 10 x stereo audio
	· Outputs: 2 of each (dual)
	· Bandwidth: 350 MHz
	· Stereo audio: unbalanced to balanced
	· Front operator panel and operation via RS-232
	· RS-232 control output for connected playback equipment
	· Power supply: 100 – 240 V AC 15 W
	· Includes power cable and operating instructions in German and English
	· Mounting for 19" fitting included

Typical order for 4 presentation stations

Quantity	Art. no.	Description	
4 x		Power strips from Bachmann facility systems with blank space for custom module	
4 x	917.134	Custom module VGA, miniature jack and button for Media switch	
1-6 x	917.127	Custom module button	**Desk connection panel**

Quantity	Art. no.	Description	
4 x	903.104	VGA signal booster	
4 x	918.009	VGA connecting cable from power strip to signal booster	
optional:			**Signal booster**
4 x	918.023	Mounting	

Quantity	Art. no.	Description	
1 x	903.101	Switch, 4-way, VGA + audio	
1 x	918.023	Mounting	**Switch**

Quantity	Art. no.	Description	
1 x	903.105	Control unit	
1 x	903.111	Converter control unit	**Control unit**

Quantity	Art. no.	Description	
1-6 x	918.006 - 008	Patch cable to connect custom module button 917.127	**Cable output**
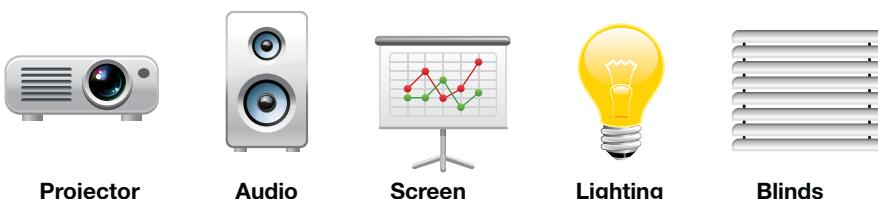
Projector   **Audio**   **Screen**   **Lighting**   **Blinds**

Configuration information and lists of applications are available at **www.bachmann.com**. Should you have any questions concerning your project, contact us at **media@bach-mann.com** for assistance.

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.

KNX pushbutton module 4-way

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.

KNX/EIB 4-button custom module

Front:
· 4 x buttons, square, can be labelled, blue back-
  lit, programmable on EIB/KNX installations
· With integral bus coupler and bus terminal
  (can be labelled with physical address)
· Power supply: system voltage 30 V DC via bus
  terminal
· Use: e.g. as buttons for controlling lighting,
  blinds etc.

Art. no.	Version
Micro clamp terminals	
917.056	Rear:
	· Bus push-in terminals
	· Requires approx. 35 mm installation depth

■ **FACILITY SYSTEMS**　■ **IT RACK PANELS**　■ **ELECTRICAL INSTALLATIONS**

EnOcean pushbutton module 4-way

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. With 868 MHz EnOcean technology, interference is practically eliminated.

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.

EnOcean 4-button custom module

Art. no.	Version
Micro clamp terminals	
917.093	Rear:
	· Includes battery
	· Requires approx. 35 mm installation depth

Front:
· 4 x buttons, square, can be labelled, backlit blue
· 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.

■ FACILITY SYSTEMS   ■ IT RACK PANELS   ■ ELECTRICAL INSTALLATIONS

Custom modules

Art. no.	Version

Custom module VGA, miniature jack and button for media switch

917.134	· Custom module to fit in Bachmann connection panels
	· 1 x 15-pole VGA socket/socket
	· 1 x 3.5 mm miniature jack socket with approx. 0.1 m cable and 3.5 mm miniature jack socket
	· 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 x buttons for media control unit
Can be used in all facility systems

917.127	· Custom module, can also be retrofitted
	· 4 buttons, white, blue illuminated, with various pictograms for labelling
	· On rear: 2 x RJ45 sockets for connecting to media control unit and linking to further modules of the same type
	· Includes inserter with common pictograms
	· Requires approx. 80 mm installation depth

Patch cable plug/plug
To connect custom module 917.127 to signal converter

918.006	1.0 m	· End 1: RJ45 plug Hirose TM12
918.007	3.0 m	· End 2: RJ45 plug Hirose TM12
918.008	5.0 m	· Shielded

Signal converter Media

Art. no.	Version

2-way signal converter
To implement the authorisation signals of each participant. Without visual acknowledgement on button

903.113	· Input: 2 x RJ12 socket
	· Output: 1 x 2-pole terminal for connection to switch
	· Can only be used with 903.100 switch

For the switch / changeover switch 2 x, 4 x and 6 x VGA/audio, the custom module 917.134 is connected by means of the 2-6-way RS 232 signal converter (903.112) with visual acknowledgement as button illumination.

2–6-way signal converter   L x W x H: 225 x 125 x 45 mm
To implement the authorisation signals of each participant. With visual acknowledgement on button

903.112	· Input: 6 x RJ12 socket
	· Output: 1 x 9-pole RS-232 sub-D
	· With 1.0 m cable with push-in terminals to connect 2-pole terminal to switch
	· Includes PSU

Converter box
For connecting an additional series of button modules

903.111	· Media converter for connection to control unit
	· End 1: RS-232
	· End 2: RJ45
	· Includes PSU

Mounting for converter/control unit
For fitting under the tabletop

918.023	· Mounting to install unit under a tabletop (see page 102)

Combi cables and extensions

Art. no.	Length	Version
15-pole VGA HD extension 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 15-pole VGA HD plug
		· End 2: 1 x 15-pole VGA HD plug

Art. no.	Length	Version
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 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm
		· End 2: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm
		· Plug with metal housing and shielding

Art. no.	Length	Version
Media combi cable		
1 x VGA, 1 x miniature jack, 1 x control signal		
903.107	1.0 m	· Professional high-quality VGA cable together with audio cable and
903.108	3.0 m	control cable for switching switches via the pushbutton in
903.109	5.0 m	custom module 917.134
903.110	10.0 m	· End 1: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug;
		1 x RJ12 for button
		· End 2: 1 x 15-pole VGA HD plug, 1 x 3.5 mm miniature jack plug;
		1 x RJ12 for button
		· Plug with metal housing and shielding

Accessories

Art. no.	Version	
STEP BASE 3 x earthing contact, GST18i3		**Length: approx. 220 mm**
Power outlet for switch and control unit		
336.600	· Plastic profile, black socket outlets	
	· 3 socket outlets with earthing contact, set at 35°	
	· Power input: GST18i3 plug, power output: GST18i3 socket	

Media technology

LanLight® combines power, network connectivity, connections to media and even lighting in a modular, multifunctional system with a consistently modular construction that 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 earthing contact power outlets 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 energy consumers can be fitted only in those positions where they are really needed. Thus LanLight® can be installed to meet the exact requirements and is equally easy to remove. Benefit: during restructuring, individual system components are reused time and again and the usual provision of installations is no longer necessary.

The advantages at a glance
- Delivers exactly what is needed to each workstation
- 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
- No tangle of cables under the desk
- Provides optimal lighting
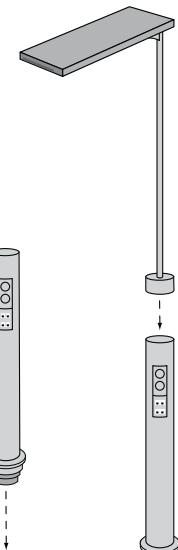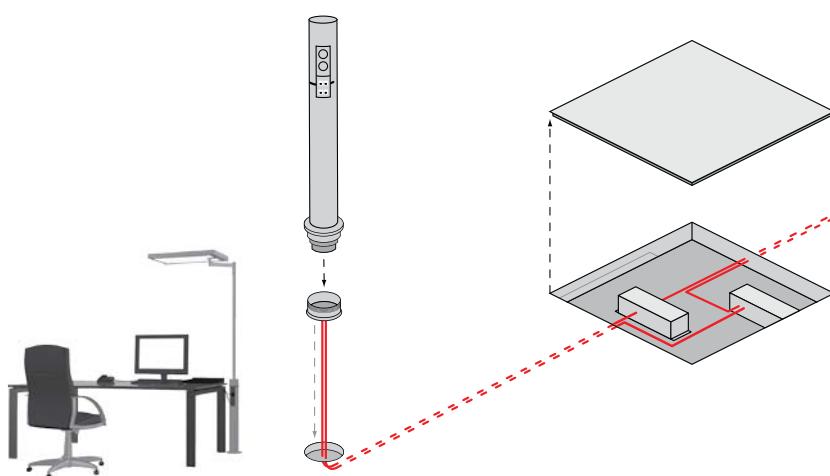
Combined with consolidation points, LanLight® can reach virtually every part of the room to provide power, data, media and light. The optimum cable length is up to 9 metres.

LanLight® is a brand belonging to Bierbrauer Hoff Planungsgesellschaft mbH

reddot design award
winner 2011

LanLight®

Modular installation offering flexible supply to office workstations

LanLight®

SMART SUPPLY SYSTEM

LanLight® offers ...

- a cable outlet
- a floor box with various inserts for a wide range of applications
- plug-in mobile power columns with two power circuits and up to eight data connections with self-contacting interface (mobile column)
- plug-in power columns with two power circuits and up to eight data connections with prepared patch cables
- a plug-in lighting module, one-sided, with lighting head that swivels on two axes
- a plug-in lighting module, double-sided, with swivelling lighting head

Basic 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

Earth contact connection plate 924.4002
2 x earth 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

LanLight® is a brand belonging to Bierbrauer Hoff Planungsgesellschaft mbH

Lift-off cover set 924.1038
for 5 mm or 8 mm floor coverings

Lift-off cover set

Lift-off cover set 924.1018
Stainless steel

Twist-off cover 924.1046
for floor coverings,
with water protection

Patch column 640 mm
924.5002: 2 x earth contact, 4 x CAT6a jack including 6 m supply cable
924.5003: 4 x earth contact, 8 x CAT6a jack including 6 m supply cable

Mini patch column 924.6000
150 mm, 2 x earth contact

Twist-off cover 924.1046
for floor coverings, with
water protection

Lift-off cover set
924.1040
for 5 mm / 8 mm
Floor coverings

Lift-off cover set
Self-contact system

Lift-off cover set 924.1039
Stainless steel

Mobile column 640 mm
924.5000: 2 x earth contact, 4 x CAT6a 10 Gbit
924.5001: 4 x earth contact, 8 x CAT6a 10 Gbit

NEW

Lamps are available from our partner
LUDWIG Leuchten on request

Stage 3

Lamps

Stage 1: LanLight® basic unit

Art. no.	Version

Basic 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
924.4001	· To connect 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, incl. 0.2 m H05VV-F 3G 2.5 mm² power 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	· To connect 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) · Rear strain relief for power connections integrated in housing · Coded connecting points (data 1-4, power A-B) · Incl. 2 x 0.2 m H05VV-F 3G 2.5 mm² power 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
924.4002	· To connect up to two phases to the earthing contact socket outlets · To connect up to 4 data jacks (keystone) · Rear strain relief for power connections integrated in housing · Coded connecting points (data 1-4, power A-B) · Diameter: 114.8 mm

LanLight® is a brand belonging to Bierbrauer Hoff Planungsgesellschaft mbH

Art. no.	Version

Connection plate for 3 x custom modules and 3 x power with breakout cable and GST18i3 plug
CUSTOM

Connection plate for fitting in the LanLight® cover guide

924.4004	· Accepts up to 3 Bachmann custom modules
	· 3 x Wieland GST15i3 sockets, fitted, incl. 0.2 m H05VV-F 3G 2.5 mm² power 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
CUSTOM

Connection plate for fitting in LanLight® lift-off cover set

924.4003	· To connect up to 3 Wieland GST15i3 sockets (power) and 3 Bachmann custom modules
	· 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

Self-contact 10 Gbit 4P/2S with breakout cable and GST18i3 plug

Connection plate to fit in the modular installation box

924.4006*	· Base unit to accept the self-contacting power column 924.5000 or 924.5001
	· Prepared to accept 1-2 data cable sets 924.700
	· Coded connecting points (data 1-8, power A-B)
	· For 924.1041
	· 2 x Wieland GST15i3 sockets, fitted, incl. 0.2 m H05VV-F 3G 2.5 mm² power cable to GST18i3 plug
	· Diameter: 114.8 mm

10 Gbit self-contact for mains connection by client

Connection plate to fit in the modular installation box

924.4005*	· Base unit to accept the self-contacting power column 924.5000 or 924.5001
	· Prepared to accept 1-2 data cable sets 924.700
	· Coded connecting points (data 1-8, power A-B)
	· For 924.1041
	· 2 x Wieland GST15i3 sockets
	· Diameter: 114.8 mm

Data cable set

For self-contact connection plates 924.4005 and 924.4006

924.700*	· 4 x Tyco Electronics CAT7 (Terra) Jacks to Tyco Electronics CAT6a plug
	· Column, 2-sided with 8 ports: Requires 2 x data cable set 924.700
	· Column, 1-sided with 4 ports: Requires 1 x data cable set 924.700
	· Cable length 6 m each
	· Prepared as a cable bundle

Cone as tower holder

Cone as column holder

924.1041	· Used to directly mount the LanLight® columns
	· For 924.5002, 924.5003 and 924.6000

* No storage type

LanLight®

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	· 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
	· With stainless steel inlay
	· Inlay diameter: inner 49 mm, outer 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 into dry surfaces with thicknesses 5 mm or 8 mm (e.g. carpet, laminate)
	· Inlay diameter: inner 49 mm, outer 142 mm, lining depth 5 mm or 8 mm
	· Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm

Lift-off cap set, self-contacting, with stainless steel inlay

Lift-off cap set to fit in the self-contacting cone

924.1039*	· Two positions: open during use / closed when not in use
	· With catch mechanism when open
	· With labelling card for connections
	· With stainless steel inlay
	· Inlay diameter: inner 49 mm, outer 142 mm, depth 5 mm or 8 mm
	· Lift-off cap diameter 146.4 mm, cap guide diameter 128.8 mm

Lift-off cap set, self-contacting, 5 mm / 8 mm

Lift-off cap set to fit in the self-contacting cone

924.1040*	· Two positions: open during use / closed when not in use
	· With catch mechanism when open
	· With labelling card for connections
	· For gluing into dry surfaces with thicknesses 5 mm or 8 mm (e.g. carpet, laminate)
	· Inlay diameter: inner 49 mm, outer 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

924.1046	· Cover to close modular installation box with cone (924.1016, 924.1041)
	· Water protected
	· For inlay (e.g. stone/tiles) with approx. 12 mm thickness
	· Incl. mounting wrench and shucks
	· Inlay diameter: inner 139 mm

* No storage type

LanLight® is a brand belonging to Bierbrauer Hoff Planungsgesellschaft mbH

Stage 3: LanLight® extension units

Art. no.	Version

Self-contacting column, 10 Gbit 4P/2S, one-sided
Column, 10 Gbit, for 1-2 workstations

924.5000*
· For simply plugging into and unplugging from LanLight® cone holder (924.1041)
· 2 earthing contact socket outlets (2 phase) and 4 Tyco CAT6a jacks
· Coded connecting points (data 1-4, power A-B)
· Fully pre-wired, incl. 4 x Tyco Terra CAT7 plug for self contacting
· Socket outlets: 2-pole with earthing contact, 16 A /3680 W , AC 250 V, IP20, black
· Column can be expanded by inserting a LanLight® system lamp
· Height 640 mm, diameter 95 mm

F   R

Column, self-contacting, 10 Gbit 8P/4S, two-sided
Column, 10 Gbit, for 3-4 workstations

924.5001*
· For simply plugging into and unplugging from LanLight® cone holder (924.1041)
· 4 earthing contact socket outlets (2 phase) and 8 Tyco CAT6a jacks
· Coded connecting points (data 1-8, power A-D)
· Fully pre-wired, incl. 8 x Tyco Terra CAT7 plug for self contacting
· Socket outlets: 2-pole with earthing contact, 16 A /3680 W, AC 250 V, IP20, black
· Column can be expanded by inserting a LanLight® system lamp
· Height 640 mm, diameter 95 mm

F   R

4P/2S patch column, one-sided
Column for 1-2 workstations

924.5002
· Simple mounting on the LanLight® conical holder (924.1041)
· 2 earthing contact socket outlets (2 phase) and 4 CAT6a jacks (keystone)
· Coded connecting points (data 1-4, power A-B)
· 2 x 6 m H05VV-F 3G 2.5 mm² power cable to Wieland GST18i3 plug
· 4 x 6 m data cables, CAT6a jack to CAT6a plug
· Socket outlets: 2-pole with earthing contact, 16 A /3680 W , AC 250 V, IP20, black
· Column can be expanded by inserting a LanLight® system lamp
· Column materials: Extruded aluminium, powder-coated RAL 9006
· Height 640 mm, diameter 95 mm

F   R

Patch column 8P/4S two-sided
Column for 3-4 workstations

924.5003
· Simple mounting on the LanLight® conical holder (924.1041)
· 4 earthing contact socket outlets (2 phase) and 8 CAT6a jacks (keystone)
· Coded connecting points (data 1-8, power A-D)
· 4 x 6 m H05VV-F 3G 2.5 mm² power cable to Wieland GST18i3 plug
· 8 x 6 m data cables, CAT6a jack to CAT6a plug
· Socket outlets: 2-pole with earthing contact, 16 A /3680 W, AC 250 V, IP20, black
· Column can be expanded by inserting a LanLight® system lamp
· Height 640 mm, diameter 95 mm

F   R

Mini patch column 2S
Mini column

924.6000
· Mini patch column for simple mounting on the LanLight®
  conical holder (924.1041)
· 2 socket outlets with earthing contact (2 phases)
· Coded connecting points (power A-B)
· 30 mm surge water protection
· 2 x 0.2 m breakout cable H05VV-F 3G 2.5 mm² and GST18i3 plug incl. GST T-piece
· Socket outlets: 2-pole with earthing contact, 16 A /3680 W, AC 250 V, IP20, black
· Height 150 mm, diameter 95 mm

F   R

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* No storage type   Lamps are available from our partner LUDWIG Leuchten on request   **F:** front / **R**: rear

LanLight®

Floor distributor
Power and data

Data →

Consolidation point
data

Consolidation point
current

Current →
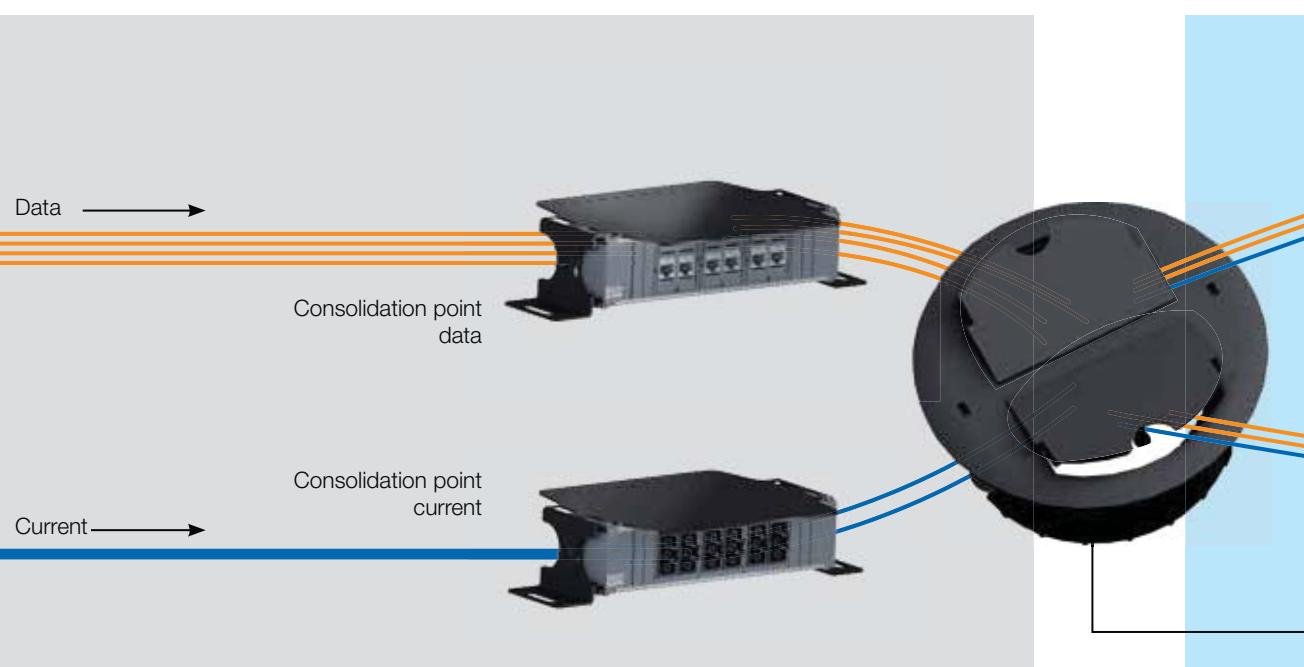
Consolidation point
Installation solutions from a single supplier

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 systems. They thus offer a user-centred 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.

Data

Current

DESK
Desktop power strip

Current

Data

Data

Workstation 1

Data

Current

DESK
Desktop power strip

Current

Data

Workstation 2
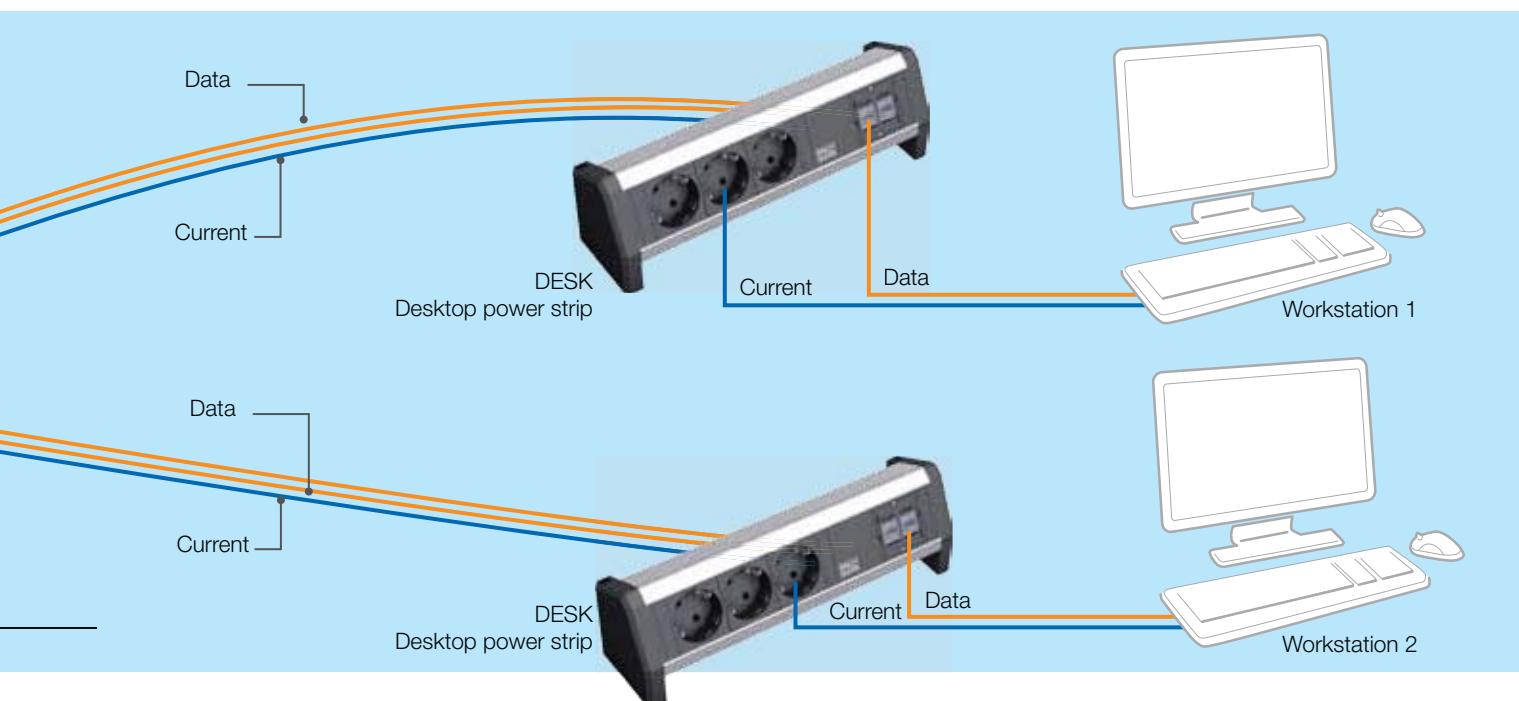
CP mounting	• Robust steel plate mounting for CPs
	• Mountings with secure, tool-free clip-in and release mechanism
	• Anchors firmly on the floor with integrated screw-on brackets
	• Mountings with extra step protection of approx. 200 kg incl. CP unit
	• Raised position of CP units for greater protection in case of minor ingress of water

CP power	• 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
	• Future-proof thanks to flexible structure

**CP power
reconnectable**

CP data	• CP data - flexible and modular based on custom modules
	• Various manufacturers' systems can be integrated
	• 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
	• Additional strain relief for data connection can be provided with cable ties

Consolidation points

Consolidation point units for power

· Fully wired and electrically tested
· With Wieland GST18i3 plug

Art. no.	Version
Consolidation point units for power	
Short	
919.2000	· 6-way GST18i3 socket, black, 1-phase · Power input: GST18i3
919.2001	· 2 x 3-way GST18i3 socket, 2-phase · Sockets in black and red · Power input: GST18i3

Art. no.	Version
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: 3 x GST18i3 socket
919.2005	· 3 x 4-way GST18i3 socket, 3-phase · Sockets in red, black and grey · 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

Art. no.	Version
Consolidation point units for data	
912.000	· 3 x custom modules, empty · Short: 217 mm
912.001	· 6 x custom modules, empty · Long: 356 mm

CUSTOM

Consolidation point mounting

· Colour black (RAL 9005)
· Mounting in 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 subfloor (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. 2 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/floor outlet for power and data cables
· Fits in raised floors with thicknesses from 24 mm
· 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 / floor outlet	**RAL 9005**
919.1000	· Black RAL 9005

Consolidation points

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		
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	· Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock
		· Suitable for e.g. CAT5e socket / socket 940.057
CAT6 patch cable plug / plug		
940.040	3.0 m	· CAT6 cable, shielded, colour grey
940.041	5.0 m	· Conforms to ISO / IEC 11801 and EN 50173
		· Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock
		· Suitable for e.g. CAT6 socket / socket 940.044
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 kink protection nozzle 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 kink protection nozzle 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	· RJ12 cable, unshielded, colour black
		· Conforms to ISO / IEC 11801 and EN 50173
		· Ends 1 and 2: RJ12 plug with kink protection nozzle
		· 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 sound signals

Art. no.	Length	Version
VGA 15-pole HD combi cable with miniature jack		
918.066	1.0 m	· High quality cable, high flexibility, colour black
918.067	3.0 m	· End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm
918.068	5.0 m	· End 2: 1 x 15-pole VGA HD plug, 1 x miniature jack plug, 3.5 mm
918.069	10.0 m	· Plug with metal housing and shielding, no additional ferrite core is required
		· Can be used with custom modules with VGA + miniature jack socket / socket (e.g. 917.045 etc.)
VGA 15-pole HD		
918.009	1.0 m	· High quality cable, flexible, colour black
940.047	3.0 m	· End 1: 1 x 15-pole VGA HD plug
940.048	5.0 m	· End 2: 1 x 15-pole VGA HD plug
		· Can be used with custom modules with VGA socket / socket (e.g. 917.011)

* No storage type

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 15-pole VGA HD plug, 1 x miniature jack plug 3.5 mm and RJ12 plug
903.109	5.0 m	· End 1: 1 x 15-pole VGA HD plug, 1 x miniature jack plug 3.5 mm and RJ12 plug
903.110	10.0 m	· Plug with metal housing and shielding, no additional ferrite core is required
		· Can be used with custom modules with VGA + miniature jack socket / socket and button (e.g. 917.134)

HDMI connecting cable –> digital transmission of image and sound signals

Art. no.	Length	Version
HDMI connecting cable		
918.019	3.0 m	· HDMI cable, colour black
918.020	5.0 m	· End 1: 1 x HDMI plug, 19-pole
		· End 2: 1 x HDMI plug, 19-pole
		· 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 connectors)

Art. no.	Length	Version
DVI-I connecting 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 + stereo connecting cable –> transmission of analogue image and sound signals

Art. no.	Length	Version
Cinch video + stereo connecting 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.	Length	Version
S-Video (Hosiden) connecting cable		
940.104*	3.0 m	· S-Video (Hosiden) connecting cable, colour black
940.105*	5.0 m	· End 1: S-Video plug
		· End 2: S-Video plug
		· Can be used with custom modules with S-Video socket / socket (e.g. 917.028 / 917.035)

* No storage type

Accessories

3.5 mm miniature socket connection cable –> transmission of sound signals

Art. no.	Length	Version
3.5 mm miniature jack connecting cable for audio signals		
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 with custom modules with miniature jack socket / socket (e.g. 917.045 / 917.157)

Cinch stereo connecting cable –> transmission of sound signals

Art. no.	Length	Version
Cinch stereo connecting 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 with custom modules with Cinch socket / socket (e.g. 917.027 / 917.028 / 917.022 / 917.023)

XLR connecting cable –> transmission of sound signals (e.g. from microphone)

Art. no.	Length	Version
XLR 3-pole connecting cable for audio signals		
918.013	3.0 m	· XLR 3-pole connecting cable, colour black
918.014	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 connecting cable –> transmission of data

Art. no.	Length	Version
USB A/A connecting cable		
918.021	1.0 m	· USB A/A connecting cable, colour black
940.045	3.0 m	· End 1: plug A
918.022	5.0 m	· End 2: plug A Can be used with custom modules with USB A socket / socket (e.g. 917.120 / 917.019)
USB A/B connecting cable		
940.046	3.0 m	· USB A/B connecting cable, colour black
		· End 1: plug A
		· End 2: plug B
		· Can be used with custom modules with USB B socket / socket (e.g. 917.018)

FireWire connecting cable –> transmission of data

Art. no.	Length	Version
FireWire connecting cable		
918.024	4.5 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 systems

Cables fitted with Wieland GST18 plug-in connectors are available to connect facility products to the mains power supply. The advantages 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 supply cable, GST18 earthing contact		**black**
375.000	1.5 m	· Cable: H05VV-F 3G 1.5 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	
Halogen-free cable		
375.044	2.0 m	· Cable: S05VV-F 3G 1.5 mm²
375.045	3.0 m	· End 1: Right angle plug with earthing contact
375.046	5.0 m	· End 2: Wieland GST18i3 socket

Device supply cable with additional earth connection

Pre-assembled power supply cables with integrated earth connection
Earthing of the power strip is independent of the installation
Ideal in combination with STEP power strips (see from page 56)
· Table-mounted frames can be earthed independently of the power strip fitted in them

Art. no.	Length	Version
Device supply cable, GST18 earthing contact		**black**
With extra earth connection		
375.115	2.0 m	· Cable: H05VV-F 3G 1.5 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
		1.5 mm² green/yellow, with M6 ring terminal
Device supply cable, GST18, plug CH / Switzerland		**Black**
375.016	1.5 m	· Cable: H05VV-F 3G 1.0 mm²
375.017	3.0 m	· End 1: CH / Switzerland plug
375.018	5.0 m	· End 2: Wieland GST18i3 socket
Device supply cable, GST18, plug UK 13 A		**Black**
375.068	2.0 m	· Cable: H05VV-F 3G 1.5 mm²
375.069	3.0 m	· End 1: UK 13 A plug
375.070	4.0 m	· End 2: Wieland GST18i3 socket
Device extension cable, GST18 / GST18		**Black**
375.050	0.3 m	· Cable: H05VV-F 3G 1.5 mm²
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 cable		black
375.080	0.3 m	· Cable: S05Z1Z1-F 3G 1.5 mm²
375.081	1.0 m	· End 1: Wieland GST18i3 plug
375.082	2.0 m	· End 2: Wieland GST18i3 socket
375.083	3.0 m	
Device extension cable, 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
375.129	5.0 m	· End 2: Wieland GST18 i 3 socket

LanLight®

Accessories

wieland

Cables with ST18 connector system (older system, cannot be plugged in under load)

Art. no.	Length	Version
Device supply cable, ST18 earthing contact		**Black**
375.004	1.5 m	· Cable: H05VV-F 3G 1.5 mm²
375.079	2.0 m	· End 1: Right angle plug with earthing contact
375.040	3.0 m	· End 2: Wieland ST18/3 socket
375.076	5.0 m	

Art. no.	Length	Version
Device extension cable, ST18/ST18		**Black**
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
Coupler		**Black**
No interlock		
375.500	GST/GST	· Allows easy linking of e.g. two STEP power strips with the same or different plugging systems
375.515	GST/ST	
375.516	ST/GST	· 1 x input (plug section) and 1 x output (socket section)
Multiplier, GST18		
For power distribution		
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, 3 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 plug, 5-pole
		· Output: 1 x socket, 5-pole;
		· 6 x 3-pole socket per outer cable
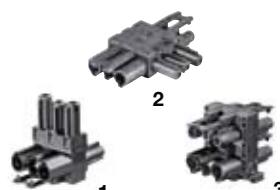
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1 **3**

Interlocks

Art. no.	Version	Version
Interlock for appliance plugs and couplings		
Compliant with VDE 0628		
375.518	Wieland 05.587.3156.1	· Snaps onto the relevant plugs and couplings
Locking latch (interlock)		
Compliant with VDE 0628		
375.501	Black Wieland 05.584.0153.0	· For snap-in fitted plug and coupling

Accessories

Art. no.	Version	Version
End cap		
375.503	Black Wieland 05.561.3653.1	· Inserts into the snap-in fitted plug and coupling

Mounting accessories

  wieland

Art. no.	Version	Version
Appliance plug with screw terminal, GST18		
375.504	Black Wieland 92.932.3053.1	· Ready to fit, with strain relief
375.517	White Wieland 92.932.3052.0	· For cross section 0.75 – 2.5 mm², solid and flexible wires can be connected without end sleeves
		· For cable diameters 6.5 – 10.5 mm (H05VV, NYM)
		· Outer sheath stripped length 31 mm; insulation stripped length: 7 mm
Appliance plug with spring-loaded terminal, GST18i3		
Lockable, coded		
940.073	Bright red Wieland 92.934.0553.0	· Ready to fit, with strain relief
940.074	Pebble grey Wieland 92.934.0153.0	· For rigid cables 1.5 – 2.5 mm² or flexible cables 1.5 mm² with end sleeves
		· 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 – 10.3 mm)
		· Outer sheath stripping length 45 mm, insulation stripped length for 1.5 mm² and 2.5 mm²: 9 mm
Appliance coupling with screw terminal, GST18i3		
375.505	Black Wieland 92.931.3053.1	· Ready to fit, with strain relief
375.514	White Wieland 92.931.3053.0	· For cross section 0.75 – 2.5 mm², solid and flexible wires can be connected without end sleeves
		· For cable diameters 6.5 – 10.5 mm (H05VV, NYM)
		· Outer sheath stripped length 31 mm; insulation stripped length: 7 mm
Appliance coupling with spring-loaded terminal, GST18i3		
Lockable, coded		
940.070	Bright red Wieland 92.933.0553.0	· Ready to fit, with strain relief
940.071	Pebble grey Wieland 92.933.0153.0	· For rigid cables 1.5 – 2.5 mm² or flexible cables 1.5 mm² with end sleeves
		· 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 – 10.3 mm)
		· Outer sheath stripping length 45 mm, insulation stripped length for 1.5 mm² and 2.5 mm²: 9 mm
Snap-in fitted plug, spring loaded, GST18		
With interlock		
375.506	Black Wieland 92.032.9658.1	· For material thickness 0.5 – 1.5 mm; engages in cut-out in housing
375.519	White Wieland 92.032.9658.0	· Flexible cable 0.5 – 1.5 mm² with end sleeve
375.520	Bright red Wieland 92.032.8558.0	· Rigid cable 0.5 – 2.5 mm²
375.521	Pebble grey Wieland 92.032.9758.0	· Stripped length 0.5 – 1.5 mm²: 8 mm, Stripped length 2.5 mm²: 9 mm
Snap-in fitted coupling, spring loaded, GST18i3		
With interlock		
375.507	Black Wieland 92.031.9658.1	· For material thickness 0.5 – 1.5 mm; engages in cut-out in housing
375.523	Bright red Wieland 92.031.8558.0	· Stripped length 0.5 – 1.5 mm²: 8 mm, Stripped length 2.5 mm²: 9 mm
375.524	Pebble grey Wieland 92.031.9758.0	

Accessories

1	Kabelschlange / Kabelschlange set
2	Easy Outlet / Easy Cover
3	Easy Cover (ceiling)
4	E-Cube
5	Kabelschlange + Easy Steel mounting bar
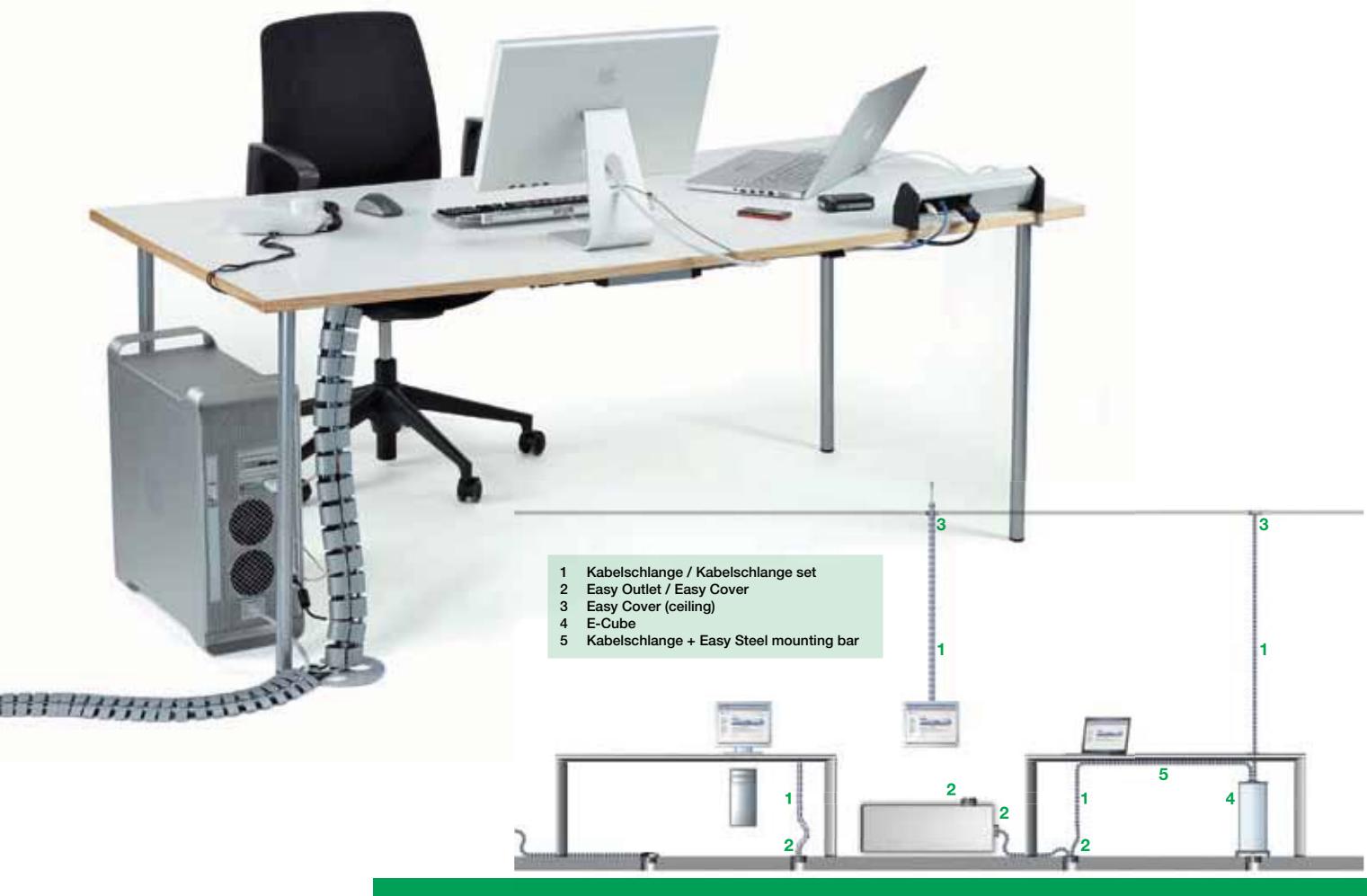
CABLE MANAGEMENT
Perfect installation solutions

Bachmann banishes unwieldy cables from workstations. The KABELSCHLANGE® cable management system optimises cable routes in the workplace between the desk, floor box, wall duct and 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; they can be displaced with respect to one another
· 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

Individual
Plugging
Shortening
Extending

Art. no.	Colour	Version
Kabelschlange® Classic (for horizontal and vertical cable routing)		
930.030	Black	· 3-chamber system to separate low-current, data and power cables
930.031	Silver	· 46 chain links, W x H: approx. 53 x 23 mm
		· Length (separated): approx. 100 cm, (pushed together): approx. 72 cm
Kabelschlange® Cube (for horizontal and vertical cable routing)		
930.058	Black	· 2-chamber system to separate data and power cables
930.059	Silver	· 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	· Increased resistance to being stepped on even in high foot traffic areas such as passages
930.033	Silver	· 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	· Designer top-of-the range premium set:
930.050	Silver	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
		a self-locking, elliptical cable duct.
		· 2-chamber system to separate data and power cables
		· Length incl. base plate and desk attachment approx. 78 cm
		· Length without accessories approx. 75 mm
		· Length (pushed together):·approx. 59 cm in set
Kabelschlange® Quadro Set (for vertical cable routing)		
930.016	Black	· Functional set with a strong design element:
930.017	Silver	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	· as addition to set article no.: 930.016 and 930.017
930.019	Silver	· for height-adjustable seating/standing combinations 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

NEW

NEW

NEW
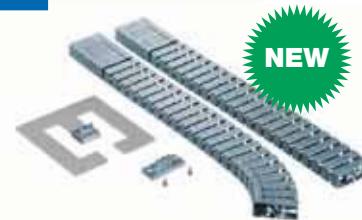
Accessories

NEW

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
Easy-Bridge®		
930.027	Silver	· Aluminium floor duct, can be stepped on, length 100 cm
		· The Kabelschlange Pro® can be connected directly
		· For carpet
Easy-Bridge®		
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®		
930.025*	Silver	· Easy-Steel® mounting bar fastening
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
Cable clamp set with strain relief		
930.051	Black	· For screwing onto underside of desk/table top
		· Consisting of: of: Cable clamp incl. 2 fixing screws and
		strain relief with adjusting screw
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

NEW

Art. no.	Colour	Version
Easy-Outlet® floor unit		
930.098*	Black	· Floor level installation unit
930.099*	Silver	· Tight braced fastening
		· 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	

Illustration shows
930.099 and 930.137

* No storage type

Floor connection accessories

Art. no.	Colour	Version
Easy-Cover-I® (system attachment for floor unit)		
930.162*	Black	· Connection for 1 x Cube, Pro, Classic or Flex
930.138*	Silver	· Material: PP for use in floor outlet
Easy-Cover-II® (system attachment for floor unit)		
930.163*	Black	· Connection for 2 x Cube, Pro, Classic or Flex
930.139*	Silver	· Material: PP for use in floor outlet
Easy-Cover-Quadro® (system attachment for floor unit)		
930.164*	Black	· Connection for 1 x Kabelschlange® Quadro
930.160*	Silver	· Material: PP for use in floor outlet
Easy-Cover-Premium® (system attachment for floor unit)		
930.165*	Black	· Connection for 1 x Kabelschlange® Premium
930.161*	Silver	· Material: PP for use in floor outlet
Easy-Switch® distributor (for Kabelschlange® Classic, Cube, Pro)		
930.034*	Black	· 3-way distributor
930.035*	Silver	· includes 4 coupling links for KS Cube®
Easy-Switch® distributor (for Kabelschlange® Classic, Cube, Pro and a vertical K. Premium connection)		
930.057*	Black	· 4-way distributor with fixing screw and base plate
		· includes 4 coupling links for KS Cube®
Easy-Cap®		
930.044*	Black	· Cover cap for Easy-Switch connections that are not needed
930.045*	Silver	
Easy-Clip-S® floor outlet adapter for all common floor outlets		
930.036*		· For floor 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*		· For floor 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-B® (system attachment with low transmission of force to suspended ceilings)		
930.093*	White	· Polypropylene blank cover
Easy-Cover-I® (system attachment with low transmission of force to suspended ceilings)		
930.094*	White	· Connection for 1 x Cube, Pro, Classic or Flex
		· Material: POM for suspended ceilings
Easy-Cover-II® (system attachment with low transmission of force to suspended ceilings)		
930.095*	White	· Connection for 2 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

* No storage type

Accessories

BRIDGE – the cable duct

Art. no.	Length	Version

CABLE BRIDGE		**Dimensions: (W x H) 146 x 9 mm**
Cable duct, straight		
930.060	1.0 m	· Anodised aluminium profile, with rippled surface to reduce slipping
930.061	2.0 m	· 3-chamber system allowing power and data cables to be routed separately
		· Can be fixed with double-sided tape or screwed into place on the floor (see fixing accessories)

CABLE BRIDGE		
Bracket for cable duct		
930.062	45°	· Bracket in anodised aluminium
930.063	90°	

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

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.
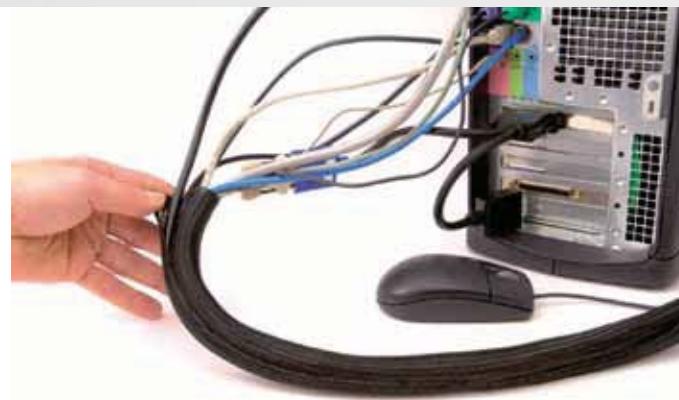
Automatic Wrap

The advantages at a glance	• Simple, low-cost installation with minimal labour • More flexible than coiled or wound solutions • 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
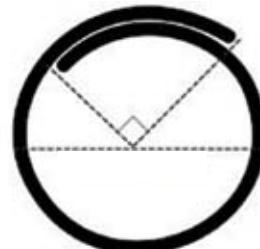
Art. no.	Length	Version
Automatic Wrap		
Dimensions: diameter 2.54 cm = 1 inch		
930.900	1.0 m	· Black
930.901	2.0 m	· Black
930.902	3.0 m	· Black
Automatic Wrap		
Dimensions: diameter 5.08 cm = 2 inches		
930.903	1.0 m	· Black
930.904	2.0 m	· Black
930.905	3.0 m	· Black

Manual Wrap in colour

The advantages at a glance	• Strong Velcro fastener for frequent access • Can be stretched over plugs and sockets • Halogen-free • Resistant to chemicals and solvents • Melting point ~230 °C
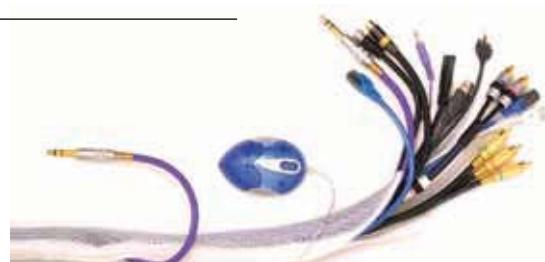
Art. no.	Version	Version
Manual Wrap		
Dimensions: diameter 3.18 cm = 1 ¼ inch		
930.906*	1.0 m	· Black
930.907*	2.0 m	· Black
930.908*	3.0 m	· Black
Dimensions: diameter 5.08 cm = 2 inches		
930.909*	1.0 m	· Black
930.910*	2.0 m	· Black
930.911*	3.0 m	· Black

* No storage type

Nominal diameter

Accessories
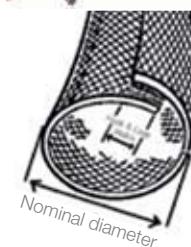
Bachmann Manufacturing

Efficient power and data distribution for manufacturing

With Bachmann manufacturing systems you can be sure of having access to the best connectors and connections wherever you are in the world. Our systems can be configured with all standard international socket outlets and data connections. Modules can be retrofitted or interchanged quickly and easily. In short, when it comes to energy and data management systems that are fit for the future, Bachmann maximises your options.

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.

Blu≡Net

CUSTOM

Manufacturing

FACTORY – the professional solution
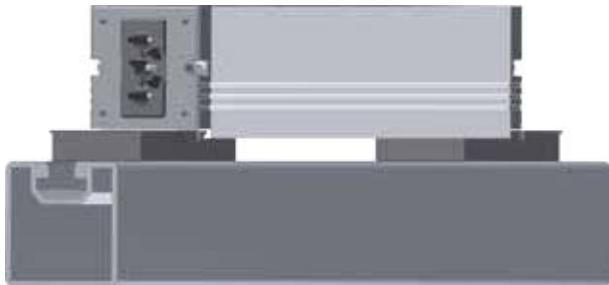
— Mounts flush with profile

Power strips in aluminium profile, 1 U, width 44.5 mm, ideally suited for mounting on 45 mm T-slot profiles.

- 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 159)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)

Max. 16 A / 230 V~

Art. no.	Version
FACTORY 1 U 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 294 mm**
509.001	· Anodised aluminium profile, 1 U
	· 3 socket outlets with earthing contact, RAL7035, set at 35°
	· Power input: GST18i3 plug, black
	· Power outlet: GST18i3 socket, black
	· Incl. safety plug catch
FACTORY 1 U 2 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 294 mm**
1 switch, illuminated, controls power outlet	
509.002	· Anodised aluminium profile, 1 U
	· 2 socket outlets with earthing contact, RAL7035, set at 35°
	· 1 switch, red, 2-pole, controls power outlet (e.g. for lamp)
	· Power input: GST18i3 plug, black
	· Power outlet: GST18i3 socket, black
	· Incl. safety plug catch
FACTORY 1 U 2 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 294 mm**
1 switch, illuminated, controls power input (sockets and power outlet)	
509.003	· Anodised aluminium profile, 1 U
	· 1 switch, red, 2-pole, controls power input
	· 2 socket outlets with earthing contact, RAL7035, set at 35°
	· Power input: GST18i3 plug, black
	· Power outlet: GST18i3 socket, black
	· Incl. safety plug catch

Suitable mountings on page 156

Max. 16 A / 230 V~

Art. no.	Version

FACTORY 1 U 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 U
	· 1 switch, green, 2-pole, controls sockets
	· 8 socket outlets with earthing contact, RAL7035, set at 35°, with spacing between sockets
	· 1 switch, red, 2-pole, controls only white auxiliary outlet
	· Power inputs on side of profile:
	· Power input: GST18i3 plug, black
	· Power outlet: 2 x GST18i3 socket, black/white
	· Incl. safety plug catch

FACTORY 1 U 10 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 1086 mm

2 switches, illuminated

509.005	· Anodised aluminium profile, 1 U
	· 1 switch, green, 2-pole, controls sockets
	· 10 socket outlets with earth contact, RAL7035, set at 35°, with spacing between sockets
	· 1 switch, red, 2-pole, controls power outlets
	· Power inputs on side of profile:
	· Power input: GST18i3 plug, black
	· Power outlet: 2 x GST18i3 socket, black/white
	· Incl. safety plug catch

2-pole illuminated rocker switch to control sockets

2-pole illuminated rocker switch for white power outlet

Generous socket spacing of 42.5 mm facilitates use of various sizes of mains adapter side by side

For horizontal mounting

GST18i3 power input

GST18i3 power output for peripheral devices

Power outlet, white (e.g. for lamps)

Suitable mountings on page 156

Manufacturing
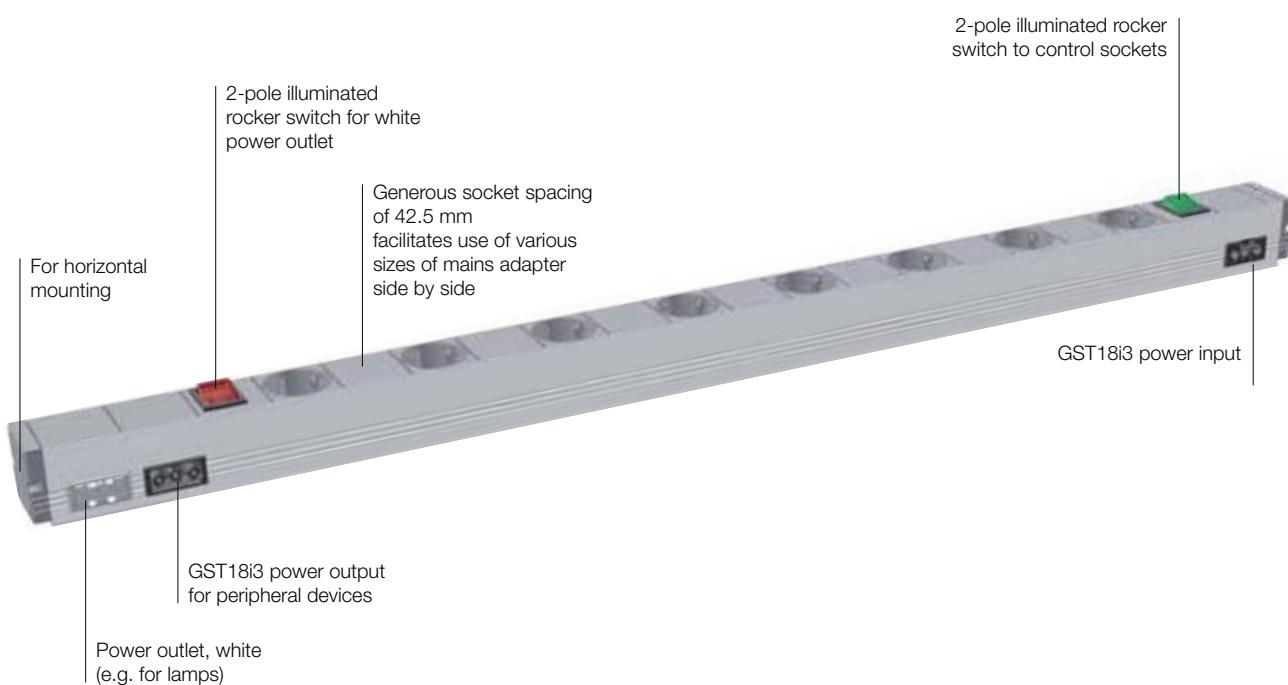
BLUENET - spotting potential and using it

Blu≡Net

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 230 V	Mains voltage (V)
Frequency (Hz)	50 Hz 15°	Phase angle
Phase number (P 1, 2, 3)	P1 12,5A	Current (A)
Total energy consumption (kWh)	1586,9kWh	

Art. no.	Version

FACTORY 1 U Metered BlueNet, GST18, max. 16 A / 230 V ~ / 3680 W   **Length: approx. 191 mm**

Current measurement

509.009
- · Anodised aluminium profile, 1 U
- · 1 x current measurement (digital ammeter)
- · Power input: GST18i3 plug, black
- · Power outlet: 2 x GST18i3 socket, black
- · Current measurement features:
  Range 0-16 A , max. current 32 A ,
  Accuracy: class 1, backlit liquid crystal display

FACTORY 1 U Metered Plus BlueNet, GST18, max. 16 A / 230 V ~ / 3680 W   **Length: approx. 191 mm**

Current and power measurement with phase angle

509.012
- · Anodised aluminium profile, 1 U
- · 1 x current + power measurement
- · Power input: GST18i3 plug, black
- · Power outlet: 2 x GST18i3 socket, black
- · Power measurement features:
  backlit LCD display, precision: class 1, 1-phase, max. 16 A
  Mains voltage (V), current (A), frequency (Hz), phase angle,
  energy (kWh) and power (kW) measurement

Feed modules - greater safety at the workstation

Feed module in aluminium profile, 1 U (width 44.5 mm) with protective features and 2 power outlets

- 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 159)
- 1 x power input and 2 x power outlet 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
- Feed module with built-in current and power measurement to record energy consumption of workstation

Art. no.	Version
FACTORY 1 U overvoltage protector with filter, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm	
509.006	· Anodised aluminium profile, 1 U · 1 overvoltage protection unit, 6.5 kA, with optical function and fail indicator; mains filter 30 MHz · Power input: GST18i3 plug, black · Power outlet: 2 x GST18i3 socket, black
FACTORY 1 U miniature circuit breaker, GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm	
509.007	· Anodised aluminium profile, 1 U · 1 miniature circuit breaker, 16 A , 2-pole, type B · Power input: GST18i3 plug, black · Power outlet: 2 x GST18i3 socket, black
FACTORY 1 U residual current device* (RCD), GST18, max. 16 A / 230 V ~ / 3680 W Length: approx. 235 mm	
509.008	· Anodised aluminium profile, 1 U · 1 residual current device, 16 A , tripping current 10 mA, response time 30 ms, 2-pole · Power input: GST18i3 plug, black · Power outlet: 2 x GST18i3 socket, black * Since 1 February 2009 all mains circuits supplying power sockets that are used by people other than electrical technicians must contain a RCD. Indoor use: up to 20 A / Outdoor use: up to 32 A

Manufacturing

COMPRESSED AIR - everything in one system
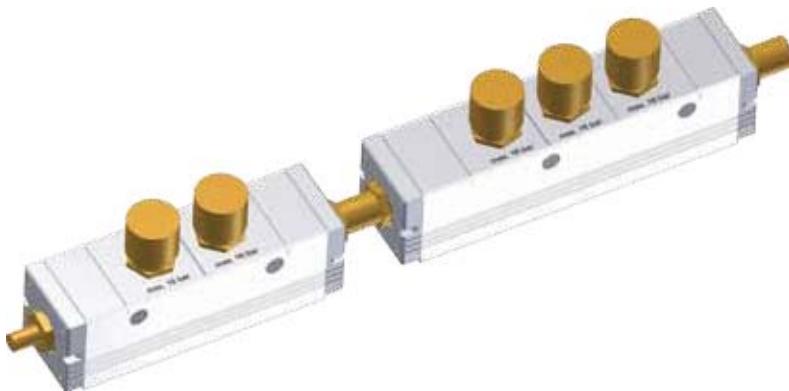
Aluminium profile, 1 U (width 44.5 mm) with standard compressed-air outlets for up to 16 bar

- 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 are available on request

Art. no.	Version
FACTORY 1 U, 2 x compressed air outlets, max. 16 bar	**Length: approx. 147 mm**
509.010	· Anodised aluminium profile, 1 U
	· 2 compressed air outlets (NW7 coupling)
	· Compressed air inlet via NW5 connector
	· Compressed air outlet via NW5 coupler
FACTORY 1 U, 3 x compressed air outlets, max. 16 bar	**Length: approx. 187 mm**
509.011	· Anodised aluminium profile, 1 U
	· 3 compressed air outlets (NW7 coupling)
	· Compressed air inlet via NW5 connector
	· Compressed air outlet via NW5 coupler
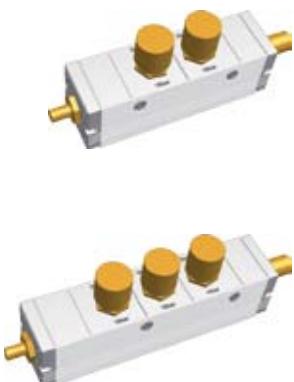
Compressed air

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 - all-round protection

Aluminium profile, 1 U (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 are available on request

Art. no.	Version

FACTORY 1 U 3 x ESD 10 ohm	**Length: approx. 104.5 mm**
509.013	· Anodised aluminium profile, 1 U · 2 x ESD snap connector sockets, 10 mm, 10 ohm · Input: 3 m cable, green/yellow with M4 ring termination

FACTORY 1 U 3 x ESD 10 ohm	**Length: approx. 147 mm**
509.014	· Anodised aluminium profile, 1 U · 3 x ESD snap connector socket, 10 mm, 10 ohm · 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 to 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.

Manufacturing

STEP - the low-cost alternative
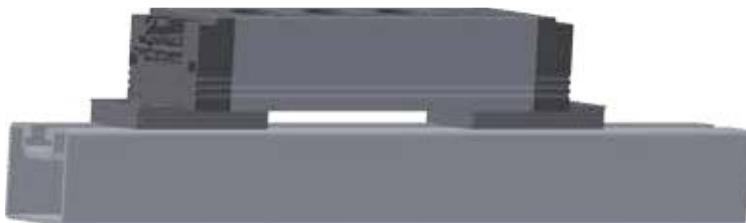
**Power strips in plastic or aluminium profile (width 52 mm)
for a simple modular electrification system.**

- 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 149)
- Strips can be linked to one another using device extension cables (see page 159)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules
  (see from page 149)

Max. 16 A / 230 V~

Art. no.	Version
STEP BASE 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 220 mm**
336.600	· Light-grey plastic profile, socket outlets black · 3 x socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: 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**
336.601	· Light-grey plastic profile, socket outlets red · 3 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black · Incl. safety plug catch
STEP BASE 4 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 262.5 mm**
336.604	· Light-grey plastic profile, socket outlets black · 4 socket outlets with earthing contact, set at 35° · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black · Incl. safety plug catch

Suitable mountings on page 156

Max. 16 A / 230 V~

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 outlet)
- 3 socket outlets with earthing contact, set at 35°
- Power input: GST18i3 plug, black
- Power outlet: 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 outlet)

906.031
- Anodised aluminium profile, socket outlets black
- 1 switch, green, 2-pole, illuminated, controls power input
- 3 socket outlets with earthing contact, set at 35°
- Power input: GST18i3 plug, black
- Power outlet: GST18i3 socket, black
- Incl. safety plug catch

STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W   Length: approx. 220 mm   **CUSTOM**

1 x custom module

906.000
- 1 anodised aluminium profile, 1 U
- 3 socket outlets with earthing contact, set at 35°
- 1 custom module cover, blank
- Power input: GST18i3 plug, black
- Power outlet: GST18i3 socket, black
- Incl. safety plug catch

STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W   Length: approx. 220 mm

Overvoltage protection

336.004
- Anodised aluminium profile, 1 U
- 1 overvoltage protection unit, 6.5 kA, with function and fail indicator; mains filter 30 MHz
- Power input: GST18i3 plug, black
- Power outlet: GST18i3 socket, black
- Incl. safety plug catch

STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W   Length: approx. 220 mm

Miniature circuit breaker, 16 A

336.015
- Anodised aluminium profile, 1 U
- 1 miniature circuit breaker, 16 A , 2-pole, type B
- Power input: GST18i3 plug, black
- Power outlet: GST18i3 socket, black
- Incl. safety plug catch

STEP ALU, GST18, max. 16 A / 230 V ~ / 3680 W   Length: approx. 220 mm

Residual current device, 16 A , 10 mA

906.067
- Anodised aluminium profile, socket outlets black
- 1 residual current device, 16 A , tripping current 10 mA, response time 30 ms, 2-pole
- Power input: GST18i3 plug, black
- Power outlet: GST18i3 socket, black
- Incl. safety plug catch

Manufacturing

AUTOMATIC SWITCHOFF - save power automatically

GREEN

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**
906.005	· Anodised aluminium profile, 1 U
	· 1 automatic switchoff unit with adjustable threshold
	· Power input: GST18i3 plug, black
	· Power outlet: GST18i3 socket, black
	· Incl. safety plug catch

How the automatic switchoff works

1
When the main device is switched off, power consumption falls below a defined threshold

2
30 seconds after the main device (1) is switched off, the sockets downstream are isolated from the supply - and no standby current is drawn.

3
Abschalt-automatik

Pressing the button switches the system on. (Button 917.060, see page 158)

| Power infeed | Automatic switchoff (Master device) | STEP with sockets for peripheral devices | Current Power onward feed |
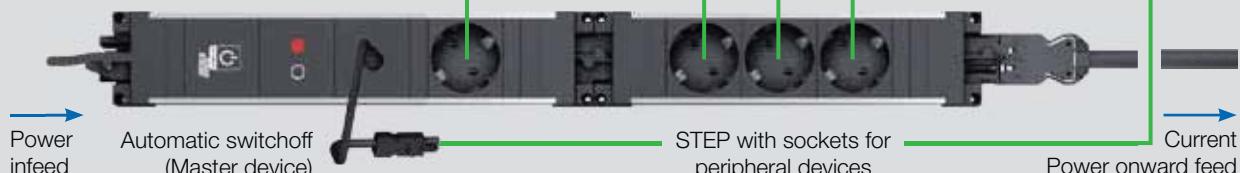
Tradesman's strips: robust professional quality

- Separate earth conductor of up to 4 mm² 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 mm² with right-angle earthed plug

Art. no.	Version
Tradesman's strip, sockets set at 90°, max. 16 A / 230 V ~ / 3680 W	
Without switch	
300.000	· 6 socket outlets with earthing contact, set at 90°
300.001	· 9 socket outlets with earthing contact, set at 90°
300.002	· 12 socket outlets with earthing contact, set at 90°
With switch, 2-pole, green, illuminated	
300.003	· 6 socket outlets with earthing contact, set at 90°
300.004	· 9 socket outlets with earthing contact, set at 90°
300.005	· 12 socket outlets with earthing contact, set at 90°

Power strip for horizontal mounting

- Combination of sockets and various custom modules (see page 158)
- 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 159) or via feed modules (see from page 149)

Art. no.	Version
Universal ALU, 2 x switch, 6 x earthed socket, max. 16 A / 230 V ~ / 3680 W Length: approx. 920 mm **CUSTOM**	
906.039	· Anodised aluminium profile, >1 U
	· 1 switch, green, 2-pole, controls sockets
	· 3 socket outlets with earthing contact, black, set at 35°
	· 5 custom module covers, blank
	· 3 socket outlets with earthing contact, black, set at 35°
	· 1 switch, red, 2-pole, controls power outlet
	· Power input: GST18i3 plug, black
	· Incl. safety plug catch

TWIN: for workstations requiring a large number of sockets

- Compact dimensions thanks to arrangement of sockets on 2 profile tracks
- 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 158)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)

Art. no.	Version
Universal ALU, 10 x earthed socket, max. 16 A / 230 V ~ / 3680 W Length: approx. 366 mm **CUSTOM**	
922.014	· Anodised aluminium profile, >1 U
	· 2 x 5 socket outlets with earthing contact, set at 35°
	· 2 custom module covers, blank
	· Power input: 0.1 m H05VV-F 3G 1.50 mm² black, with GST18i3 plug
	· Incl. 4 mounting brackets 940.096 (see page 144)

Suitable mountings on page 156

Fixings - 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
	· Colour RAL7035 light grey

Stainless steel	**mounting bracket**
940.096	· Inserts into rear of Factory and Step profiles and in end cap of Universal
	· 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
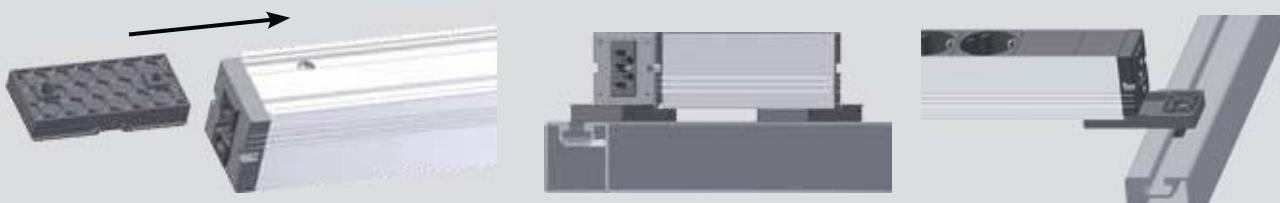
Plastic brackets allow versatile mounting on T-slot or upright profiles.
The brackets are inserted into the profile groove on the rear of the strip.
Suitable for power strips in the FACTORY and STEP series.

Use of brackets with STEP power strips, 36 mm in height.

No ESD capability specified.
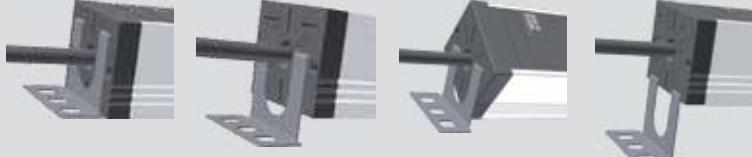
Use of bracket with UNIVERSAL power strips. The bracket simply slots into the UNIVERSAL end cap and can be fixed in various positions.

DESK - versatile tabletop power strip

DESK 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 158)
- Power infeed direct to mains input via supply cable (see page 159) or via feed modules (see from page 149)

Rear

Max. 16 A / 230 V~

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 switch, green, 2-pole, illuminated, controls sockets · 3 socket outlets with earthing contact, set at 35° · Power input: 3.0 m H05VV-F 3G 1.50 mm² black, with right-angle earthed plug · incl. standard brackets

DESK 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 368 mm**	**CUSTOM**
1 x custom module		
902.017	· Anodised aluminium profile, socket outlets black · 1 switch, green, 2-pole, illuminated, controls sockets and power outlet · 3 socket outlets with earthing contact, set at 35° · 1 custom module cover, blank · Power input: GST18i3 plug, black · Power outlet: GST18i3 socket, black · Brackets not included (available separately)	

DESK 1 x switch, 3 x earthing contact, GST18, max. 16 A / 230 V ~ / 3680 W	**Length: approx. 409 mm**	**CUSTOM**
2 x custom module		
902.018	· Anodised aluminium profile, socket outlets black · 1 switch, green, 2-pole, illuminated, controls sockets and power outlet · 3 socket outlets with earthing contact, set at 35° · 2 custom module covers, blank · Power input: GST18i3 plug, black · Power outlet: 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**
930.183	· 2 Spax screws, 5 x 90 mm incl. brass threaded sleeve

Manufacturing

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.

CUSTOM

- 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
- Screws and frames are designed for approx. 10 bolting cycles
- Bolts = Torx T6   **For other versions see page 66**

Art. no.

Module 2 x keystone
917.000

· Module, black, accepts 2 data sockets
  with keystone fitting

Module 1 x keystone
917.001

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

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 socket
  (mint green for mouse and lilac for keyboard)
· Rear: PS2 MiniDin socket
  (mint green for mouse and lilac for keyboard)

Button for automatic switchoff
917.060

· Front: Button, black, for automatic
  switchoff unit

· Rear: 1.0 m H05VV-F 2 x 0.75 mm²
  black with Wieland GST 15i2 connector

· 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: RJ 12 (keystone fixing)
· Rear: RJ 12 (keystone fixing)
· Unshielded
· Suitable for modules 917.000 and 917.001

CAT6a 10 GB patch cable plug/socket 3.0 m
918.033

· Front: Socket RJ45 CAT6a TKM 10 GB
· Cable, black, with RJ45 plug
· Shielded
· Suitable for modules 917.000 and 917.001

BNC R/G/B
917.090

· Front + rear:
  BNC R/G/B socket

RS232
917.012

· Front + rear:
  9-pole RS232 socket

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
- Power input can be earthed via the separate earthing connection on device supply cables 375.115 – 375.117

wieland

Art. no.	Length	Version
Device supply cable, GST18/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 terminal
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		
Extends length from - to		
375.097	0.5-2.5 m	· Spiral device extension cable
375.098	1.0-5.0 m	· Cable: H07BQ-F 3G 1.50 mm² orange
		· End 1: Wieland GST18i3 plug
		· End 2: Earth contact coupling, black
Multipliers		
For power distribution		
375.101	1 x input, 1 x outlet (1)	· Input: 3-pole plug
375.102	1 x input, 2 x outlet (2)	· Output: 3-pole socket
375.105	1 x input, 3 x outlet (3)	
Through-wired for 3-phase power, 5 and 3-pole		
375.106	1 x input, 1+6 x outlet	· Input: 1 x plug, 5-pole
		· Output: 1 x socket, 5-pole
		6 x 3-pole socket per outer conductor
Coupler		
No interlock		
375.500	GST input/GST outlet	· For simple connecting of e.g. two Factory power strips
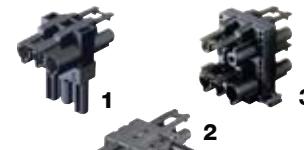
1 **2** **3**

Manufacturing

FACTORY LIGHT – good light for assembly workstations

Good lighting facilitates productivity and wellbeing. 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

Outrigger

SITECO assembly area outrigger lamp	**Length: 610 mm, width: 125 mm**
770.000	· Lamp in aluminium profile, 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, 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 · 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

Note

These lamps should be operated via BACHMANN FACTORY power strips with switched power outlets (see pages 146) or any other external switch.
They have no built-in switch of their own.

Eulumdat data is available on request.

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 · 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 · Flexible arm length 500 mm, lamp head diameter 75 mm

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. 2,000
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

Manufacturing

IT power distribution

Blu≡Net

Efficient Power Management

IT POWER DISTRIBUTION

Systematic Bachmann IT power distribution

Forty 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
• Combination of existing PDUs and Bachmann power distribution products

SAMPLE RACK CONFIGURATION

Sample system

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

Supply A

16 A / 400 V / 50 Hz

Supply B

16 A / 400 V / 50 Hz
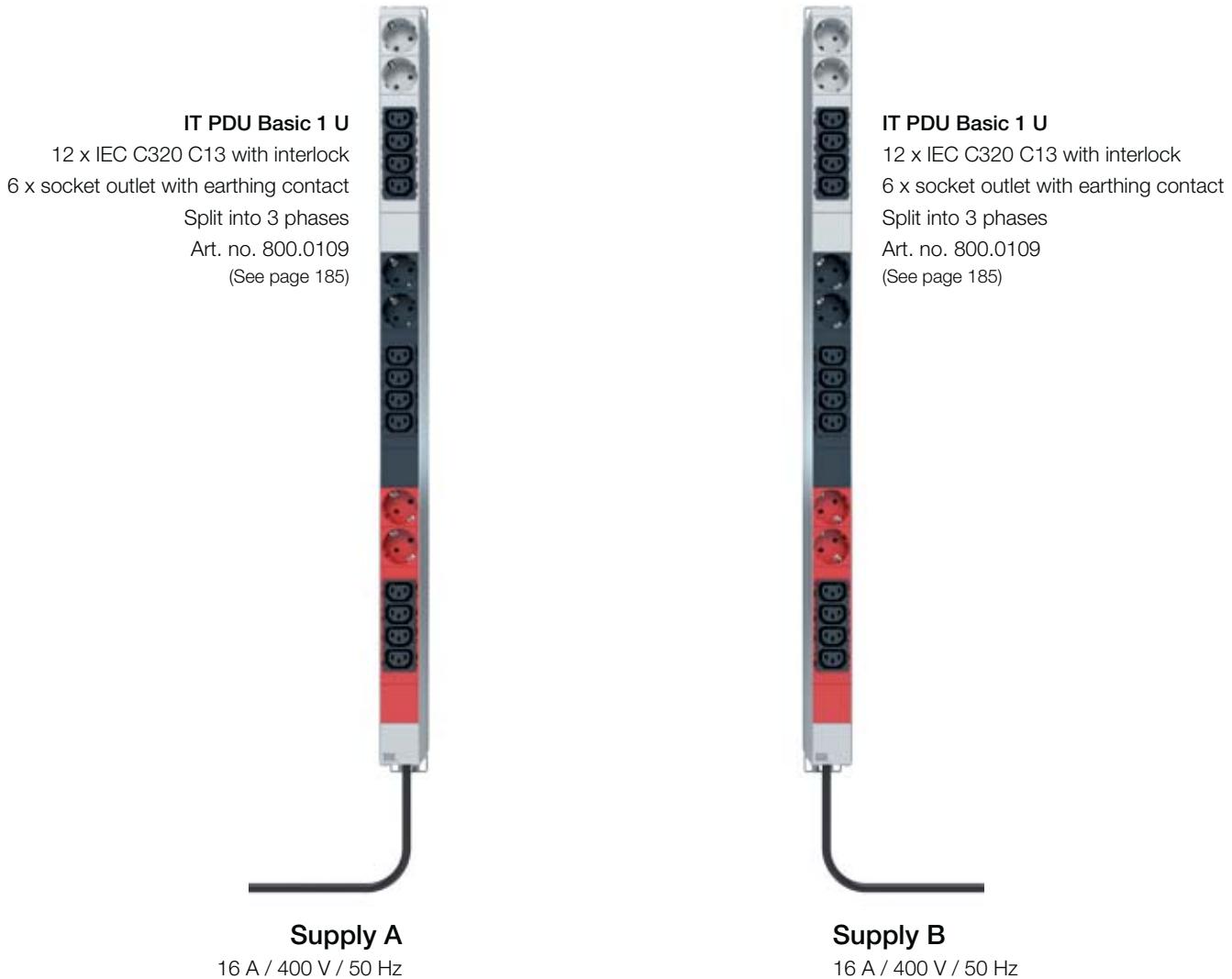
The advantages at a glance	• High packing density (48 A / PDU)
	• Space-saving (depth: 47 mm)
	• Also fits in small racks
	• Good availability (N +1 redundancy)
	• C13 lockable sockets
	• Phases identified by colour

SAMPLE RACK CONFIGURATION

Sample system

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

IT PDU Basic 1 U

18 x IEC C320 C13 with interlock

3 x IEC C320 C19 with interlock

Split into 3 phases

Art. no. 800.0104

(See page 185)

IT PDU Basic 1 U

18 x IEC C320 C13 with interlock

3 x IEC C320 C19 with interlock

Split into 3 phases

Art. no. 800.0104

(See page 185)

Supply A

2 x 16 A / 400 V / 50 Hz

Supply B

2 x 16 A / 400 V / 50 Hz

Robust and compact fixing of two
PDUs with vertical link.

The advantages at a glance	• Very high packing density (96 A per side)
	• Very good MTTR (mean time to repair)
	• Space-saving (depth: 47 mm)
	• Maximum availability thanks to complete physical and electrical isolation
	• Lockable C13 and C19 sockets
	• Phases identified by colour

BLADE CENTER RACK

Sample system

IT PDU Basic 1 U

6 x IEC C320 C19 with interlock

Each socket is protected by a C16A MCB

Split into 3 phases

Art. no. 800.0101

(See page 185)

IT PDU Basic 1 U

6 x IEC C320 C19 with interlock

Each socket is protected by a C16A MCB

Split into 3 phases

Art. no. 800.0101

(See page 185)

Supply A

32 A / 400 V / 50 Hz

Supply B

32 A / 400 V / 50 Hz
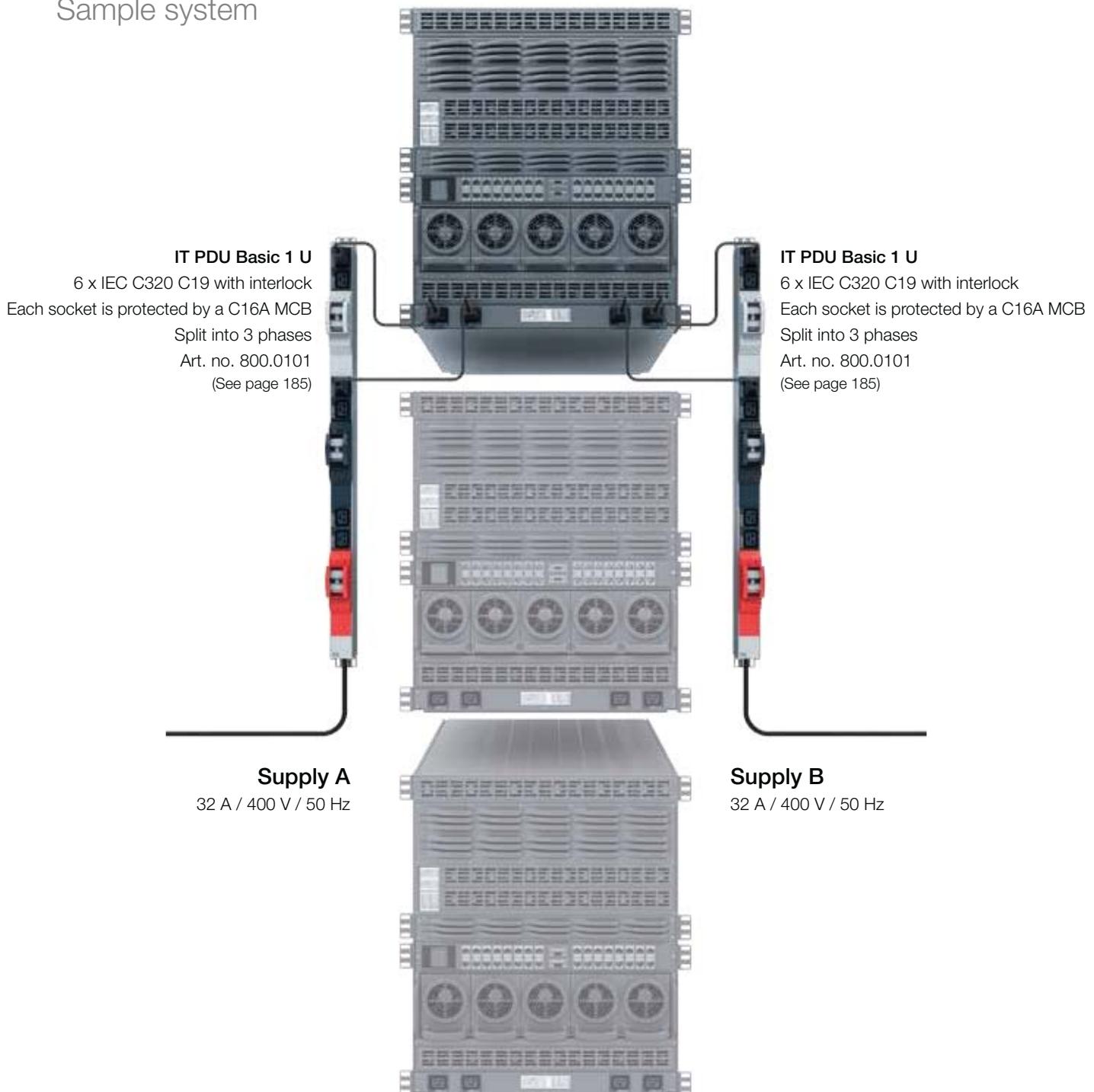
The advantages at a glance	• Little wiring work required • Fuse protection in rack with protection against accidental switching • Selective protection structure • Redundant power supply specially designed for high power ratings (22 kW per PDU) • Compact PDU construction

UPGRADE SOLUTION

Sample system

PDU already installed

BlueNet Monitored upgrade module
16 A / 400 V / 50 Hz CEE plug
16 A / 400 V / 50 Hz CEE coupling
Art. no. 329.3004
(See page 200)

Supply
16 A / 400 V / 50 Hz
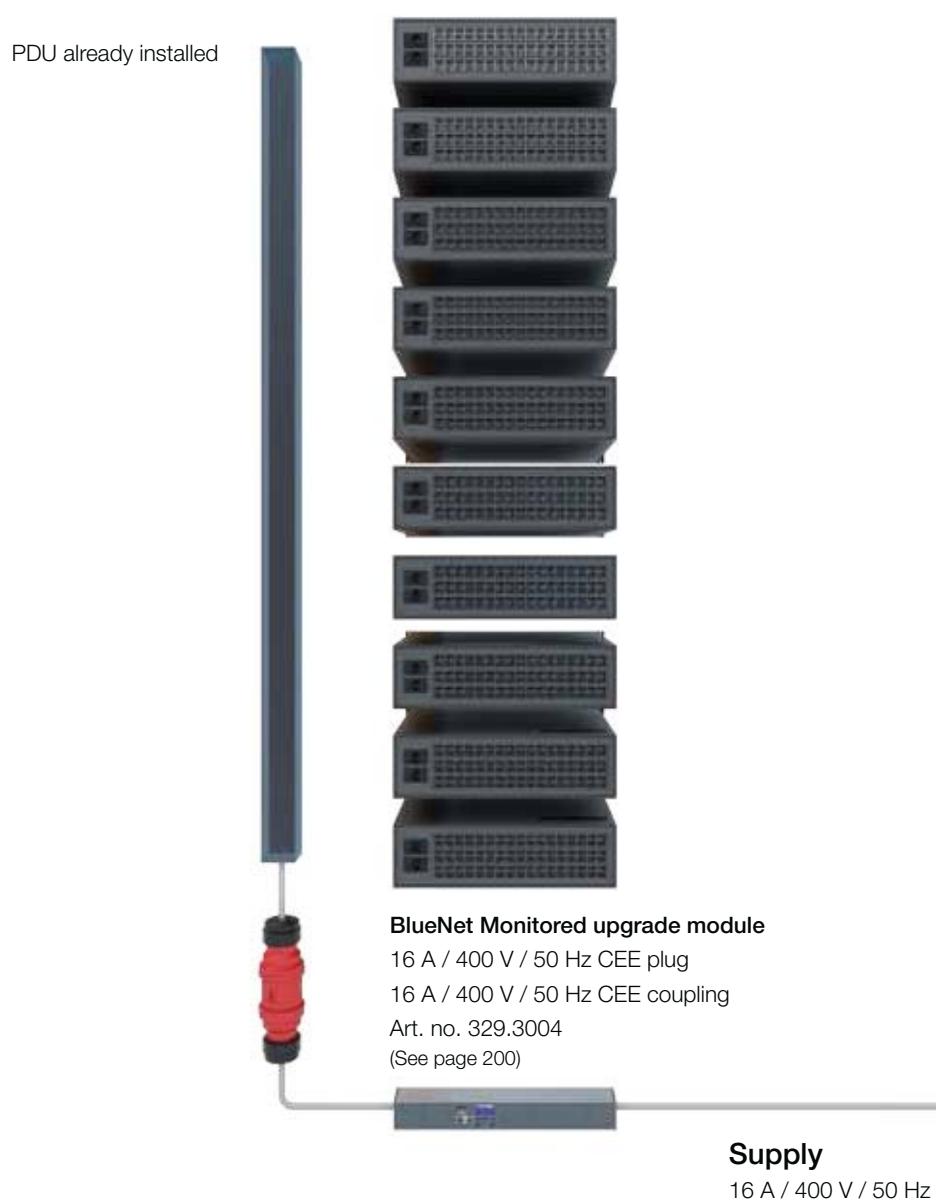
The advantages at a glance	• Easy to upgrade using plug connector
	• Phase-level monitoring
	  (current, voltage, power, power factor)
	• Monitoring of neutral conductors
	• Integrated Ethernet interface
	• Interface for external temperature and humidity
	  sensors
	• OLED display rotatable by software
	• Upgrade modules up to 32 A depending on version

INTELLIGENT PDU CONCEPT

Sample system

BlueNet PDU Managed

Measurement per phase

Switching per port

24 x IEC C320 C13 with interlock

6 x IEC C320 C19 with interlock

Split into 3 phases

Art. no. 329.800

(See page 203)

BlueNet PDU Managed

Measurement per phase

Switching per port

24 x IEC C320 C13with interlock

6 x IEC C320 C19 with interlock

Split into 3 phases

Art. no. 329.800

(See page 203)

Supply A

32 A / 400 V / 50 Hz

Supply B

32 A / 400 V / 50 Hz

The advantages at a glance	• System with N + 1 redundancy • Very high packing density (96 A per side) • Integrated measurement of current, voltage, frequency, power factor, effective power and energy • Switching per socket outlet • MCBs split 32 A per phase over two blocks of 16 A each • Integrated Ethernet interface

MODULAR POWER DISTRIBUTION

Sample system

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

IT PDU Basic 1 U

12 x IEC C320 C13 with interlock

6 x socket outlet with earthing contact

Split into 3 phases

Art. no. 800.0109

(See page 185)

IT PDU Basic 1 U

18 x IEC C320 C13 with interlock

3 x IEC320 C19 with interlock

Split into 3 phases

Art. no. 800.0104

(See page 185)

IT PDU Basic 1 U

18 x IEC C320 C13 with interlock

3 x IEC320 C19 with interlock

Split into 3 phases

Art. no. 800.0104

(See page 185)

Supply A

16 A / 400 V / 50 Hz

Supply B

16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

329.9008 + 329.9011

(See page 202)

The advantages at a glance	• Two galvanically isolated infeeds, 400 V / 16 A / 50 Hz each • Up to four multiple-socket outlets can be connected • Measurement module can be swapped during operation (plug-and-play) • Integrated power metering • Ethernet interface with integral web server • Excellent value for money • Modest space requirement (2 U)

MODULAR POWER DISTRIBUTION

Sample system

BlueNet PDU Switched
Switching per port
12 x IEC320 C19
Split into three phases
Art. no. 329.704
(See page 202)

BlueNet PDU Switched
Switching per port
12 x IEC320 C19
Split into three phases
Art. no. 329.704
(See page 202)

Supply A
32 A / 400 V / 50 Hz

Supply B
32 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module
329.9012 + 329.9011
(See page 202)

The advantages at a glance	• Combines ideally with switchable PDUs
	• Separate Ethernet interfaces for measurement and switching electronics
	• Two galvanically isolated infeeds, 400 V / 32 A / 50 Hz each
	• Up to two multiple-socket outlets can be connected
	• Measurement module can be swapped during operation (plug-and-play)
	• Integrated power metering
	• Ethernet interface with integral web server
	• Excellent value for money
	• Modest space requirement (2 U)

MODULAR POWER DISTRIBUTION

Sample system

2 x IT PDU Basic 1 U

36 x IEC C320 C13 with interlock

Split into 3 phases

Art. no. 800.0102

(See page 185)

2 x IT PDU Basic 1 U

36 x IEC C320 C13 with interlock

Split into 3 phases

Art. no. 800.0102

(See page 185)

Supply A

32 A / 400 V / 50 Hz

Supply B

32 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

329.9012 + 329.9011

(See page 202)

The advantages at a glance	• Ideal for combination with PDUs with built-in MCB C16 A circuit breakers

The advantages at a glance

- Ideal for combination with PDUs with built-in MCB C16 A circuit breakers
- Cabling and installation kept to a minimum with 400 V / 32 A supply cables
- Two galvanically isolated infeeds, 400 V / 32 A / 50 Hz each
- Up to four multiple-socket outlets can be connected
- Measurement module can be swapped during operation (plug-and-play)
- Integrated power metering
- Ethernet interface with integral web server
- Excellent value for money
- Modest space requirement (2 U)

MODULAR POWER DISTRIBUTION

Sample system

IT PDU Basic 1 U
6 x IEC C320 C19 with interlock
Split into 3 phases
Art. no. 800.0111
(See page 185)

IT PDU Basic 1 U
6 x IEC C320 C19 with interlock
Split into 3 phases
Art. no. 800.0111
(See page 185)

Supply A
16 A / 400 V / 50 Hz

Supply B
16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module
329.9013 + 329.9011
(See page 202)
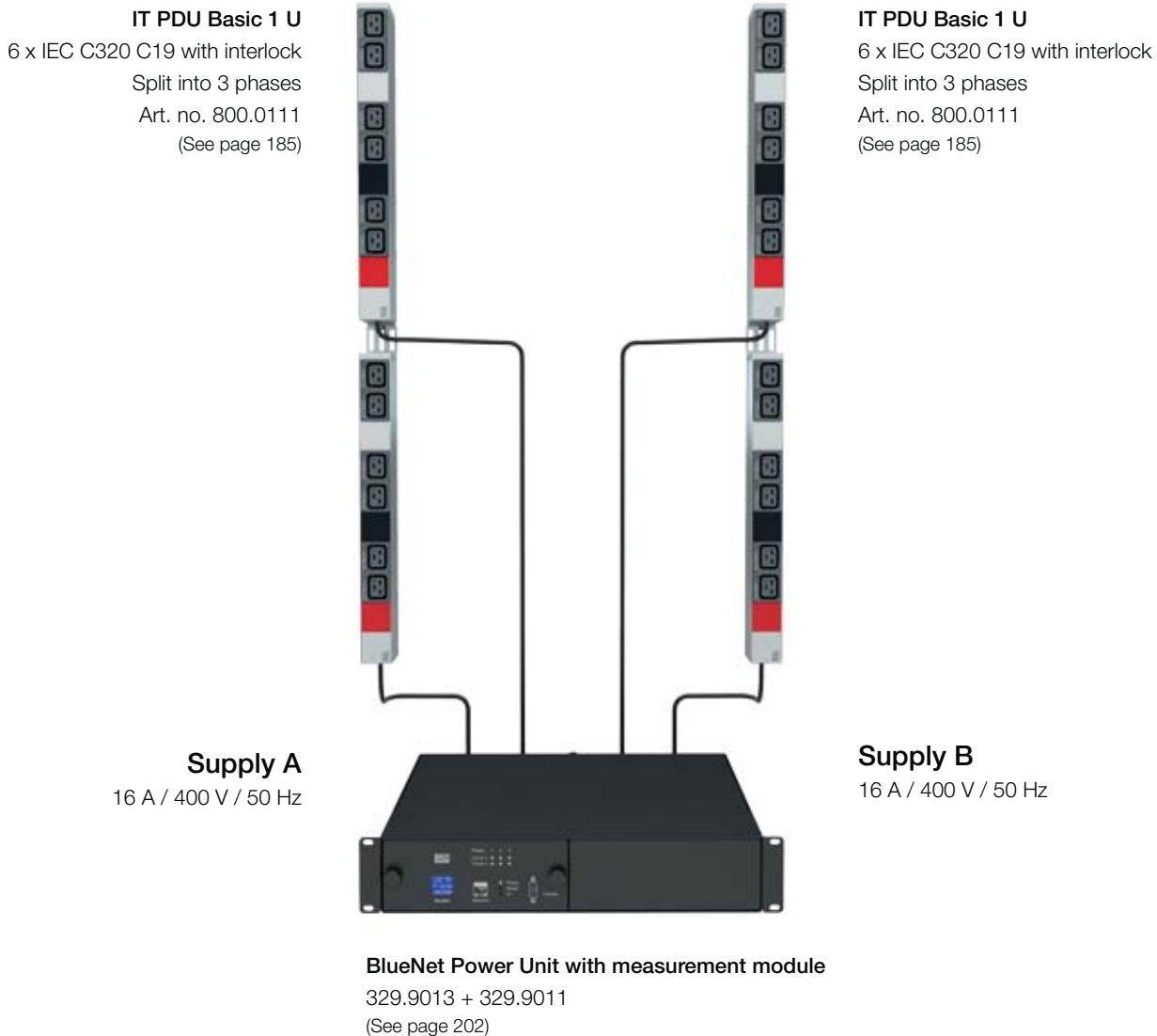
The advantages at a glance	• Ideal for combination with blade PDUs
	• Two galvanically isolated infeeds, 400 V / 16 A / 50 Hz each
	• Up to four multiple-socket outlets can be connected
	• Measurement module can be swapped during operation (plug-and-play)
	• Integrated power metering
	• Ethernet interface with integral web server
	• Excellent value for money
	• Modest space requirement (2 U)

MODULAR POWER DISTRIBUTION FOR BLADE CENTER

Sample system

BlueNet Power Unit with measurement module

Art. no. 329.9015 and 329.9010

(See page 205)

Supply A

16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

Art. no. 329.9015 and 329.9010

(See page 205)

Supply B

16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

Art. no. 329.9015 and 329.9010

(See page 205)

Supply A

16 A / 400 V / 50 Hz

BlueNet Power Unit with measurement module

Art. no. 329.9015 and 329.9010

(See page 205)

Supply B

16 A / 400 V / 50 Hz

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

IT PDU 1 U

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

· Power supply for 19" data racks
· Universal bracket for mounting in 19" data rack
· Flexible positioning in rack, on rear panel and vertically on housing frame
· Various country-specific designs available as standard
· Various socket outlet colours available on request

Modular design
of socket outlets

Optionally with illuminated
2-pole switch, green

End caps riveted and
do not open

Torsionally rigid profile 1 U, low profile depth 44 mm
made from high-grade anodised aluminium, silver
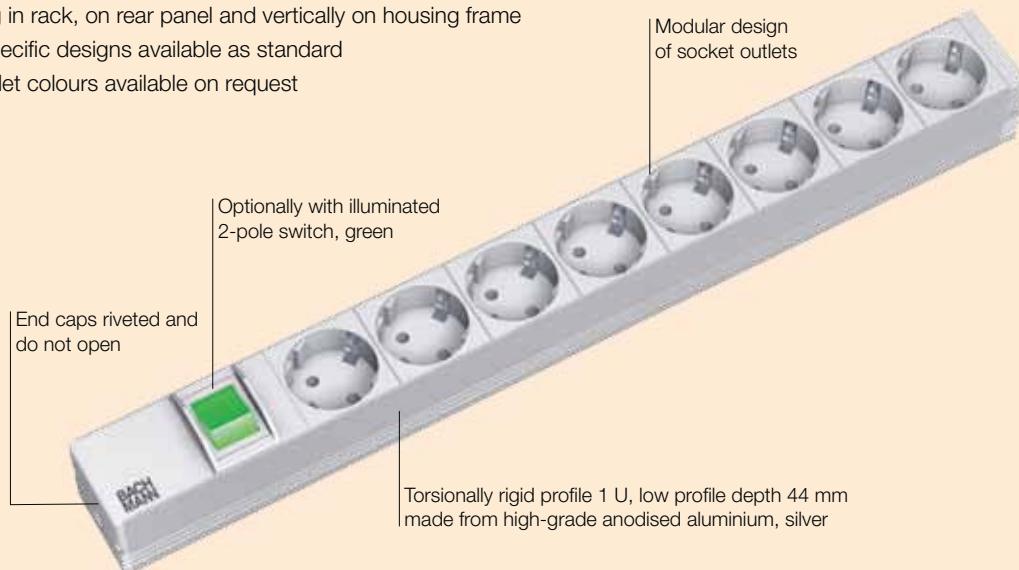
IEC LOCKABLE

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

· Power supply for 19" data racks with lockable IEC socket outlets
· Locking clips to prevent accidental disconnection
· Various socket outlet colours available on request

Torsionally rigid 1 U profile,
small profile depth of 44 mm
in high-quality anodised
aluminium, silver

With locking
cover

Two locking clips to secure
two power cables.
Locking is optimal only with
Bachmann power cables.
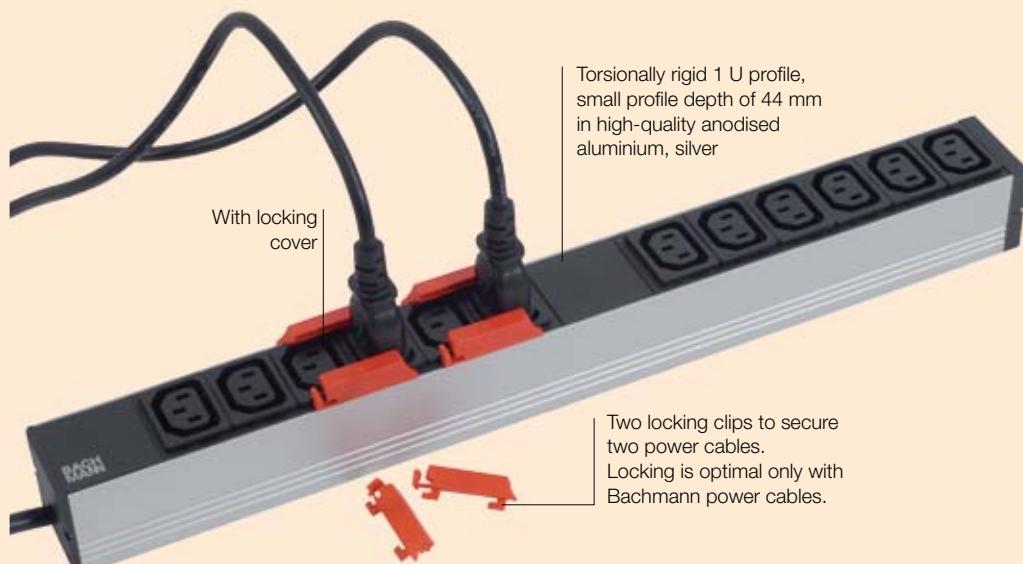
Mounting brackets included with all PDUs.

OVERVOLTAGE PROTECTION

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

· Power supply for 19" data racks with built-in protection functions
· Overvoltage protection against current peaks on a 230 V mains power supply
· Mains and frequency filters to attenuate high-frequency interference
  (symmetrical and asymmetrical)
· Various socket outlet colours available on request

Optionally with illuminated
2-pole switch, green

End caps riveted
and do not open

Overvoltage protection 6.5 kA,
to DIN EN 61643-11:08–2007

Torsionally rigid 1 U profile, small profile
depth of 44 mm in high-quality anodised
aluminium, silver

Function and
fail indicator

Mains and frequency filters
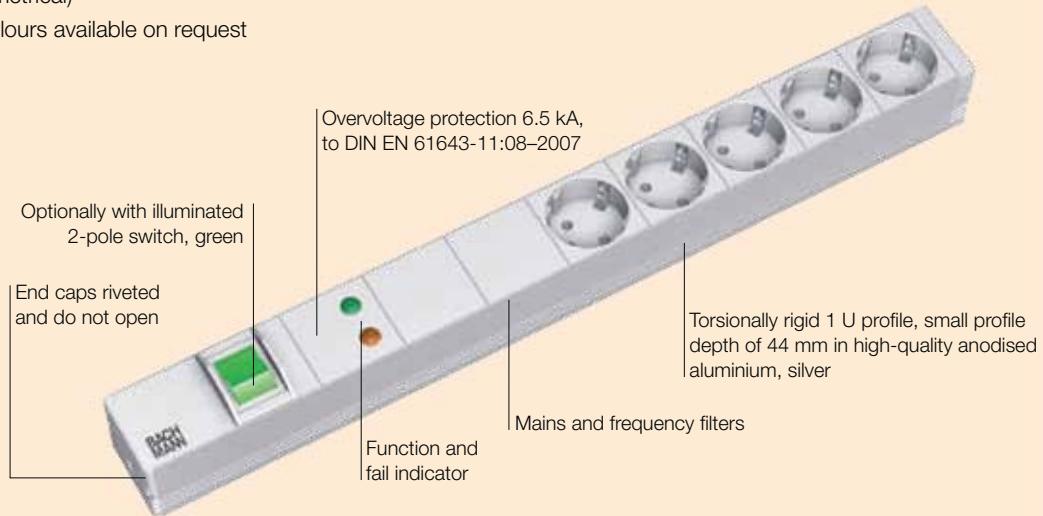
PROTECTION

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

· Power supply for 19" data racks with built-in fuses
· Universal bracket for mounting in 19" data rack
· Can be flexibly positioned in the rack, on the rear panel or vertically on the enclosure frame
· Various country-specific designs available as standard
· Various socket outlet colours available on request

Protection unit can contain a
miniature fuse, RCD or MCB

Modular socket
outlet design

Torsionally rigid 1 U profile, small profile
depth of 44 mm in high-quality anodised
aluminium, silver
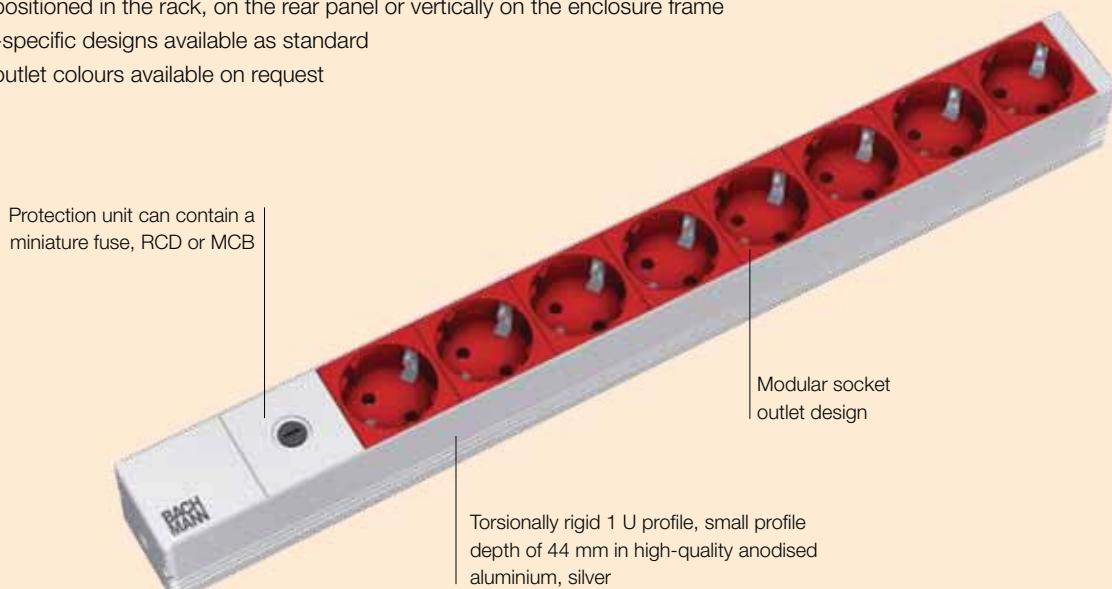
Mounting brackets included with all PDUs.

IT PDU BASIC 1 U

Power distribution units 230 V / 50 Hz

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 U in height, 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.

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

For description, see page 176

Art. no.	Version	Colour (plastic / profile)
19" IT PDU Basic		
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.401	9 socket outlets with earthing contact, light grey	light grey / silver
333.506	9 socket outlets with earthing contact, light grey	black / black
333.539	9 IEC320 non-heating appliance socket outlets C13 black	light grey / silver
333.616	12 IEC320 non-heating appliance socket outlets C13 black	black / black
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with IEC320 C20 plug		
333.815	8 IEC320 non-heating appliance socket outlets C19 black	light grey / silver
Without switch, without supply cable, rewireable with terminal block		
333.416	8 socket outlets with earthing contact, light grey	light grey / silver
333.830	12 IEC320 non-heating appliance socket outlets C13 black	black / black
With switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.400	8 socket outlets with earthing contact, light grey	light grey / silver
333.505	8 socket outlets with earthing contact, light grey	black / black

LOCKABLE

LOCKABLE

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

For description, see page 177

Art. no.	Version	Colour
19" IT PDU Basic with overvoltage protection		
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.404	8 socket outlets with earthing contact grey	light grey / silver
333.534	8 socket outlets 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		
333.405	7 socket outlets with earthing contact, light grey	light grey / silver
333.535	7 socket outlets with earthing contact, black	black / black
19" IT PDU Basic with overvoltage protection + mains and frequency filters		
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.402	6 socket outlets with earthing contact, light grey	light grey / silver
333.536	6 socket outlets 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 socket outlets with earthing contact, light grey	light grey / silver
333.537	5 socket outlets 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 socket outlets with earthing contact, light grey	light grey / silver

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

For description, see page 177

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

Zero U-Space IT PDU Basic (230 V / 50 Hz)

Art. no.	Version	Colour (plastic / profile)
Zero U-Space IT PDU Basic		
Without switch, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.413	12 socket outlets with earthing contact, light grey	light grey / silver

10" IT PDU Basic (230 V / 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	3 socket outlets with earthing contact, light grey	light grey / silver
333.0122	4 socket outlets with earthing contact, light grey	light grey / silver

19" IT PDU Master + Slave (230 V / 50 Hz)

· Automatically isolates master device and all slave devices from supply once master device is shut
  down/switched off
· 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 mm², black, with right angle plug with earthing contact		
333.407	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 breakers, characteristic C

NEW

Art. no.	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 breakers, characteristic C

LOCKABLE

IEC320 C13 lockable

Two locking clips to secure two power cables.
Locking is optimal only with Bachmann power
cables.

Connecting cables and locking clips can be found
on page 209.

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 1U

Country versions

IT PDU Basic Switzerland

Art. no.	Version	Colour	Supply cable
19" IT PDU Basic Switzerland			
Without switch			
800.1259	8 x CH type 13 90°	black	2.0 m H05VV-F 3G 1.0 mm² with CH plug type 12
800.1262	8 x CH type 23 90°	black	3.0 m H05VV-F 3G 1.5 mm² with CH plug type 23
With switch			
800.1263	7 x CH type 13 90°	black	2.0 m H05VV-F 3G 1.0 mm² with CH plug type 12
800.1264	7 x CH type 23 90°	black	3.0 m H05VV-F 3G 1.5 mm² with CH plug type 23
19" IT PDU Basic overvoltage protection Switzerland			
Without switch			
800.1260	7 x CH type 13 90°	black	2.0 m H05VV-F 3G 1.0 mm² with CH plug type 12
800.1258	7 x CH type 23 90°	black	3.0 m H05VV-F 3G 1.5 mm² with CH plug type 23
19" IT PDU Basic overvoltage protection + mains and frequency filters Switzerland			
Without switch			
800.1261	5 x CH type 13 90°	black	2.0 m H05VV-F 3G 1.0 mm² with CH plug type 12
800.1265	5 x CH type 23 90°	black	3.0 m H05VV-F 3G 1.5 mm² with CH plug type 23

IT PDU Basic UK

Art. no.	Version	Colour
19" IT PDU Basic UK		
Without switch, 2.0 m, H05VV-F 3G 1.5 mm² with UK plug		
333.804	7 x UK 90° child-proof	grey
With switch, 2.0 m, H05VV-F 3G 1.5 mm² with UK plug		
333.805	6 x UK 90° child-proof	grey

IT PDU Basic France 🇫🇷

Art. no.	Version	Colour
19" IT PDU Basic France		
Without switch, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.418	9 x UTE socket outlets	grey
Without switch, rewireable with terminal block		
333.819	8 x UTE socket outlets	grey
With switch		
333.419	8 x UTE socket outlets + switch	grey
19" IT PDU Basic overvoltage protection France		
Without switch, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.4061	8 x UTE socket outlets	grey
With switch, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.838	7 x UTE socket outlets	grey
19" IT PDU Basic overvoltage protection + mains and frequency filters, France		
Without switch, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.4063	6 x UTE socket outlets	grey
With switch, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.840	5 x UTE socket outlets	grey
19" IT PDU Basic with fusing France		
1 x residual current device, 16 A, tripping current 30 mA		
2.0 m H05VV-F 3G 1.5 mm² with right-angle earthed plug		
333.4065	6 x UTE socket outlets	grey
1 x MCB 16 A type B, 2.0 m, H05VV-F 3G 1.5 mm² with right-angled earthing contact plug		
333.4066	6 x UTE socket outlets	grey

IT PDU BASIC 1U

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, making it easy to combine various different plug versions.

19" IT PDU Basic (3 x 16 A / 400 V / 50 Hz)

800.0111

Art. no.	Version	Dimensions	
19" IT PDU Basic			
16 A, 3.0 m H05VV-F 5G 2.5 mm² with CEE plug 16 A red			
800.0111*	6 IEC320 C19 non-heating appliance socket outlets	482.6 x 44 x 47 mm	LOCKABLE
16 A, 3.0 m H05VV-F 5G 2.5 mm² with end sleeves			
800.0112*	6 IEC320 C19 non-heating appliance socket outlets	482.6 x 44 x 47 mm	LOCKABLE

Zero U-Space IT PDU Basic (32 A / 230 V / 50 Hz)

With integrated MCBs

Art. no.	Version	Dimensions	
Zero U-Space IT PDU Basic			
Without switch, 3.0 m H05VV-F 3G 4 mm², grey, with CEE plug 32 A blue			
800.0119	20 IEC320 non-heating appliance socket outlets C13 black, 2 x C16A MCB	778 x 44 x 47 mm	LOCKABLE

Zero U-Space IT PDU Basic (3 x 16 A / 400 V / 50 Hz)

Art. no.	Version	Dimensions	
Zero U-Space IT PDU Basic 16 A			
16 A, 3.0 m 5G 2.5 mm² with CEE plug 16 A red			
800.0104*	18 IEC320 C13 non-heating appliance socket outlets, 3 IEC320 C19 non-heating appliance socket outlets	821 x 44 x 47 mm	LOCKABLE
800.0105	18 IEC320 non-heating appliance socket outlets C13	821 x 44 x 47 mm	LOCKABLE
800.0107	15 socket outlets with earthing contact	821 x 44 x 47 mm	
800.0109	12 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact	821 x 44 x 47 mm	LOCKABLE
16 A, 3.0 m 5G 2.5 mm² with end sleeves			
800.0106*	18 IEC320 non-heating appliance socket outlets C13	821 x 44 x 47 mm	LOCKABLE
800.0108*	15 socket outlets with earthing contact	821 x 44 x 47 mm	
800.0110*	12 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact	821 x 44 x 47 mm	LOCKABLE

Zero U-Space IT PDU Basic (2 x 3 x 16 A / 400 V / 50 Hz)

Art. no.	Version	Dimensions	
Zero U-Space IT PDU Basic 16 A			
Two separate power supply cables, 16 A, 3.0 m 5G 2.5 mm² with CEE plug 16 A red			
800.0113*	36 IEC320 non-heating appliance socket outlets C13, 12 socket outlets with earthing contact	1840 x 44 x 47 mm	LOCKABLE
800.0114*	48 IEC320 non-heating appliance socket outlets C13	1840 x 44 x 47 mm	LOCKABLE

Zero U-Space IT PDU Basic (3 x 32 A / 400 V / 50 Hz)

With integrated MCBs

Art. no.	Version	Protection	Dimensions	
Zero U-Space IT PDU Basic 32 A				
32 A, 3.0 m 5G 4 mm² with CEE plug 32 A red				
800.0100	12 IEC320 C19 non-heating appliance socket outlets	6 x C16A miniature circuit-breakers	1075 x 44 x 47 mm	LOCKABLE
800.0101*	6 IEC320 C19 non-heating appliance socket outlets	6 x C16A miniature circuit-breakers	820 x 44 x 47 mm	LOCKABLE
800.0102	36 IEC320 non-heating appliance socket outlets C13	6 x C16A miniature circuit-breakers	1586 x 44 x 47 mm	LOCKABLE
32 A, 3.0 m 5G 4 mm² with end sleeves				
800.0103*	36 IEC320 non-heating appliance socket outlets C13	6 x C16A miniature circuit-breakers	1586 x 44 x 47 mm	LOCKABLE

* No storage type, delivery time available on request

Door-position switch can be connected

1.5 m supply cable HO5VV-F 3G 1.5 mm^2, black

Switch

Dulux-SE 11 W illuminant

Torsionally rigid 1 U profile, small profile depth of 44 mm in high-quality anodised aluminium, silver
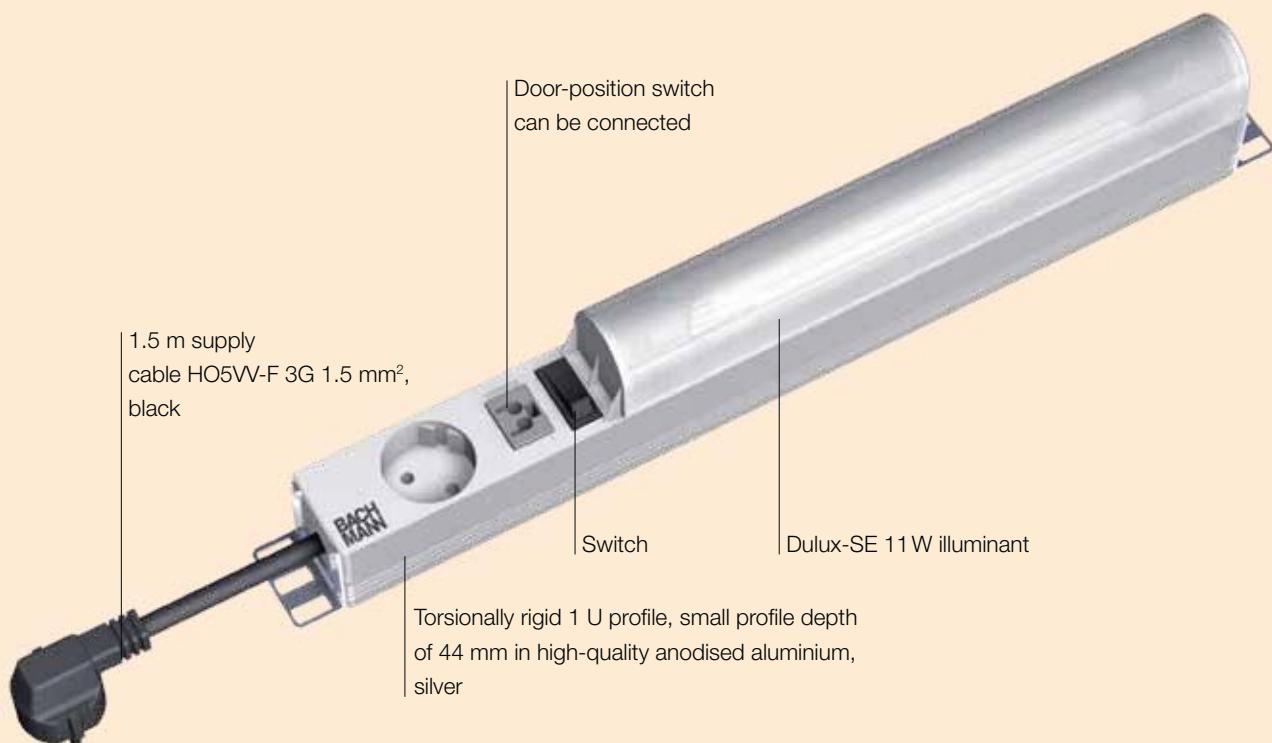
CABINET LIGHTING
1 U 19" lamp

The advantages at a glance	• Lighting for 19" data racks
	• With on/off switch
	• With built-in socket recess in various country versions
	• Electronic ballast unit
	• Includes mounting bracket

Max. 16 A / 230 V~

· Power input: 1.5 m H05VV-F 3G 1.50 mm², black, moulded right-angle plug with dual earthing contact system, plastic, RAL7035, sealed riveted end caps, cannot be opened.

Art. no.	Version	
19" , 1 U lamp		**Length: 438.5 mm**
1 x switch		
755.000	· 1 socket outlet with earthing contact	
755.002	· 1 UTE socket outlet	
1 x switch, 1 x connection point for door-position switch		
755.001	· 1 socket outlet with earthing contact	
755.003	· 1 UTE socket outlet	

Mounting bracket set with door-position switch	
1 x door-position switch, 1 x fitting set, 1 x switch	
755.004	· Door position switch for 755.001
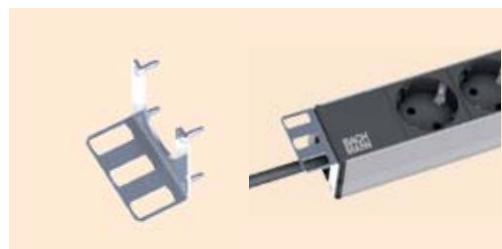
Mounting brackets made from sheet steel: 4 adjustable screw fastenings, each can be rotated 90° degrees. Can be mounted vertically or horizontally.

PDU > 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
· Option including illuminated 2-way 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 mm² grey, with moulded right angle plug with dual earthing contact system, sockets white, set at 35°, mounting brackets included

Art. no.	Version
19", 8 x earthing contact	**Length: 440 mm**
333.001	· 8 socket outlets with earthing contact, white
19", 7 x earthing contact	**Length: 440 mm**
1 x switch, green	
333.000	· 7 socket outlets with earthing contact, white
	· Switch, green
19", 7 x earthing contact	**Length: 440 mm**
1 x overvoltage protection	
333.004	· 7 socket outlets with earthing contact, white
	· Overvoltage protection
19", 6 x earthing contact	**Length: 440 mm**
1 x overvoltage protection, 1 x switch, green	
333.005	· 6 socket outlets with earthing contact, white
	· Switch, green
	· Overvoltage protection
19", 5 x earthing contact	**Length: 440 mm**
1 x overvoltage protection + mains and frequency filters	
333.002	· 5 socket outlets with earthing contact, white
	· Overvoltage protection + mains and frequency filters
19", 4 x earthing contact	**Length: 440 mm**
1 x overvoltage protection + mains and frequency filters, 1 x switch, green	
331.0202	· 4 socket outlets with earthing contact, white
	· Switch, green
	· Overvoltage protection + mains and frequency filters

PDU > 1 U PVC

Power distribution units

· Torsionally rigid profile > 1 U (52 mm) in high-quality PVC, profile depth 44 mm
· Option including illuminated 2-way 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 mm² grey, with moulded right angle plug
with dual earthing contact system, sockets light grey RAL7035, set at 35°,
mounting brackets included

Art. no.	Version
19", 8 x earthing contact	**Length: 440 mm**
333.601	· 8 socket outlets 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 socket outlets with earthing contact
	· Overvoltage protection
19", 6 x earthing contact	**Length: 440 mm**
1 x overvoltage protection, 1 x green switch	
333.605	· 6 socket outlets with earthing contact
	· Switch, green
	· Overvoltage protection
19", 5 x earthing contact	**Length: 440 mm**
1 x overvoltage protection + mains and frequency filters	
333.602	· 5 socket outlets with earthing contact
	· Overvoltage protection + mains and frequency filters
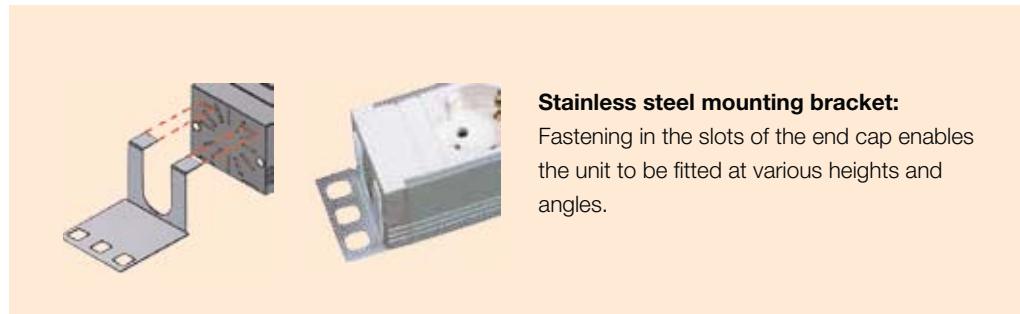
Stainless steel mounting bracket:
Fastening in the slots of the end cap enables the unit to be fitted at various heights and angles.
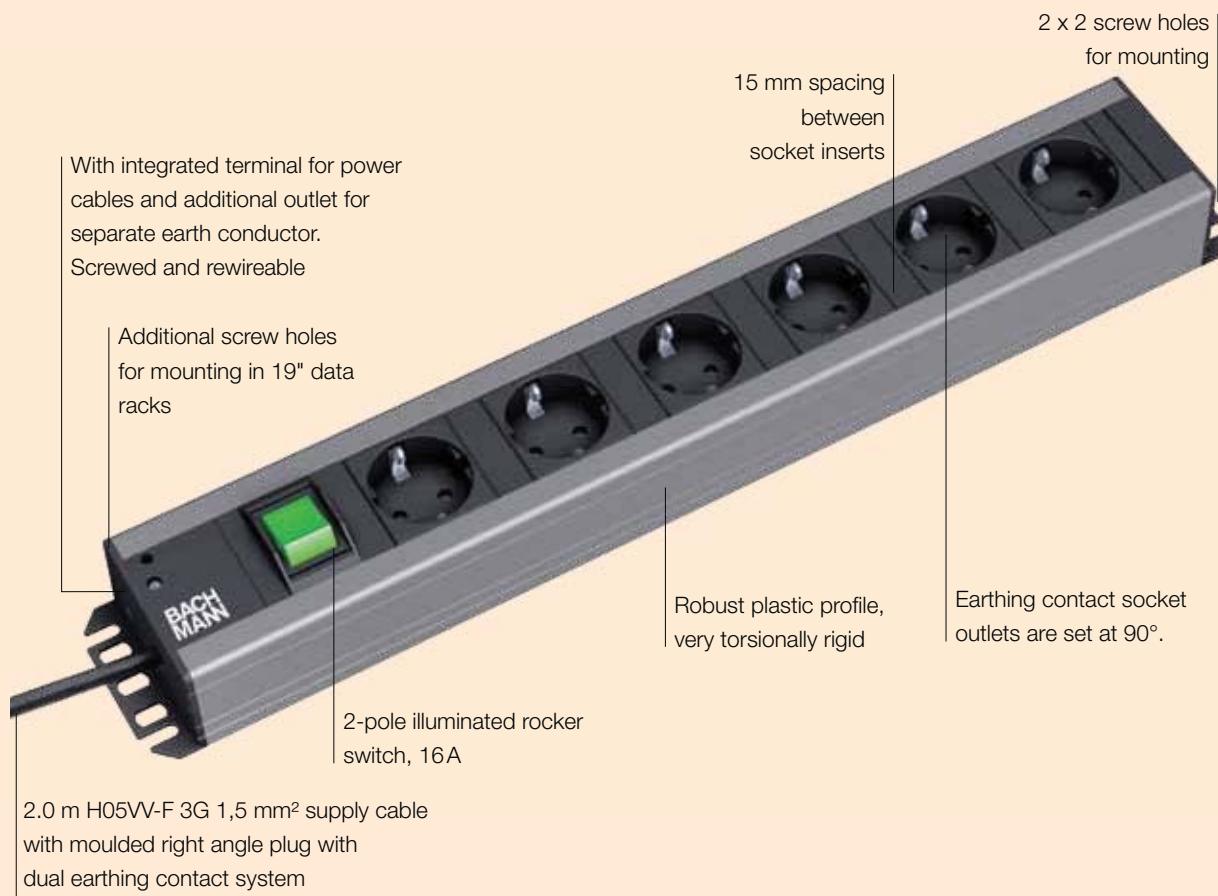
2 x 2 screw holes
for mounting

15 mm spacing
between
socket inserts

With integrated terminal for power
cables and additional outlet for
separate earth conductor.
Screwed and rewireable

Additional screw holes
for mounting in 19" data
racks

Robust plastic profile,
very torsionally rigid

Earthing contact socket
outlets are set at 90°.

2-pole illuminated rocker
switch, 16 A

2.0 m H05VV-F 3G 1,5 mm² supply cable
with moulded right angle plug with
dual earthing contact system

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 advantages at a glance	• Modern, technical design • End caps with additional screw holes for mounting in data racks • Additional earth conductor can be connected without opening the housing • Strips in 19" dimensions available

Tradesman's strip set at 90°

· Supply cable: 2.0 m H05VV-F 3G 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)
Power strip 90°		
Without switch		
300.000	· 6 socket outlets with earthing contact	· approx. 445 x 74 x 45 mm
300.001	· 9 socket outlets with earthing contact	· approx. 617 x 74 x 45 mm
300.002	· 12 socket outlets with earthing contact	· approx. 790 x 74 x 45 mm
1 x rocker switch, green		
300.003	· 6 socket outlets with earthing contact	· approx. 445 x 74 x 45 mm
300.004	· 9 socket outlets with earthing contact	· approx. 617 x 74 x 45 mm
300.005	· 12 socket outlets with earthing contact	· approx. 790 x 74 x 45 mm
1 x overvoltage protection, 1 x rocker switch, green		
300.011	· 6 socket outlets with earthing contact	· approx. 490 x 74 x 45 mm
1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, green		
300.012	· 6 socket outlets with earthing contact	· approx. 575 x 74 x 45 mm

19"

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 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, damping diagram on data sheet.

Tradesman's strip set at 35°

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

Art. no.	Version	Dimensions: (L x W x H)
Power strip 35°		
Without switch		
300.006	· 8 socket outlets with earthing contact	· approx. 482.6 x 74 x 45 mm
1 x rocker switch, green		
300.007	· 7 socket outlets with earthing contact	· approx. 482.6 x 74 x 45 mm

19"

Blu≡Net
Efficient Power Management

BLUENET
Power distribution unit

BlueNet is the intelligent energy management system with a measurement accuracy of +/- 1 %.
Measurement on the neutral conductor also provides increased safety. Alarm values for current,
voltage and the phase angle can be individually set for early detection of physical sources of danger.
Temperature sensors or humidity sensors can also be connected.
All BlueNet Network series products have an integrated Ethernet interface and can be connected to
monitoring systems via SNMP.

Power monitoring and display

BlueNet creates the optimum conditions for efficient power management. In order to monitor and control energy costs it is first necessary to know where and when they arise. BlueNet provides all relevant data such as energy consumption, voltage, power and more.

Capacity planning

Know what's running. By measuring individual loads, administrators can carry out effective planning for their data centre. They can then distribute loads so well that failures due to circuit overloads no longer occur.

Security

Automated notification when threshold values are reached informs the user by e-mail and SNMP before a fault can develop. Restarts controlled by web link further increase availability and flexibility.

Network-based evaluation and control

The data captured by BlueNet is evaluated centrally on the network. Thus the user obtains not only an exact energy cost overview but also information on available load reserves and on possible intervention in the power supply.

Save energy

For an exact analysis of power consumption in data centres, BlueNet is the ideal solution. It enables administrators to select servers for a virtualisation or for decommissioning. By performing a before/after comparison of energy consumption, savings on power costs can be reached in budget planning.

Features	Metered	Metered Plus	Monitored, CEE outlet box	Monitored Plus	Switched	Managed
Parameter						
Current	●	●	●	●	—	●
Voltage	—	●	●	●	—	●
Phase angle	—	●	—	●	—	●
Frequency	—	●	●	●	—	●
Energy	—	●	●	●	—	●
Reactive power	—	—	●	●	—	●
Effective power	—	●	●	●	—	●
Apparent power	—	—	●	●	—	●
Power factor	—	—	●	●	—	●
Neutral conductor monitoring	—	—	depends on model	depends on model	—	depends on model
Measurement per phase	●	●	●	●	—	●
Display						
Type	LCD	LCD	TFT / 2"	LCD	LCD	LCD
Display can be rotated using software	—	—	●	—	—	—
Illustration can be set in variable manner	—	—	●	—	—	—
Sensors						
Integrated temperature sensor	—	—	●	—	—	—
Connections for external sensors	—	—	2	—	—	—
Switching						
Can be switched individually	—	—	—	—	●	●
Switching status monitoring	—	—	—	—	O	O
Network						
Ethernet (10/100 Mbit/s)	—	—	●	●	●	●
ModBus TCP/IP	—	—	—	O	O	O
HTTP	—	—	●	●	●	●
HTTPS	—	—	—	●	●	●
SSH	—	—	—	●	●	●
DHCP	—	—	●	●	●	●
SMTP	—	—	—	●	●	●
SNMP	—	—	●	●	●	●
Syslog	—	—	—	●	●	●
NTP	—	—	●	●	●	●
Alarm (SMTP, SNMP)	—	—	—	●	●	●

● yes – no / O optional

BlueNet Metered Plus / Monitored Plus / Managed

Power measurement (kW)
The effective power drawn by the consumers, taking the phase angle into account. Power consumption of the connected devices.

Mains voltage (V)
Displays the voltage of the incoming mains supply to which the power meter is connected.

Phase angle
Displays the phase shift in the power network.

Frequency (Hz)
Current mains frequency

Current (A)
The current now being drawn by the connected devices.

Phase indicator (P)
Shows the phase (1, 2 or 3) currently being measured. Display moves automatically through the phases showing their respective measured values.

Total energy consumption (kWh)
The total energy consumption shown on the display is calculated taking the phase angle into account.

2.77 kW 230V
50 Hz   15°
P1 12,5A
1586,9kWh

BlueNet Monitored

Mains voltage (V)
Displays the voltage of the incoming mains supply to which the power meter is connected.

Current (A)
The current now being drawn by the connected devices.

Frequency (Hz)
Current mains frequency

Power factor
Displays the power factor.

230 V   50.00 Hz
12.5 A   PF 0.966
2.77 kW
MODE   DELTA

Power measurement (kW)
The effective power drawn by the consumers, taking the phase angle into account. Power consumption of the connected devices.

BlueNet

Blu≡Net
Metered
Series

The display for the BlueNet Metered series:
See and evaluate the most important values at a glance.

The advantages at a glance	• Current measurement • Voltage measurement • Phase angle measurement • Effective power calculated with regard to phase angle • Frequency measurement • BlueNet display • Accuracy class 1

BlueNet Metered (16 A / 230 V / 50 Hz)

· Integrated current measurement for up to 32 A (depending on version)
· 3-digit current readout on illuminated LCD display
· Precision +/- 1%
· End caps riveted and do not open
· Includes mounting brackets and screws
· Plastic light grey, aluminium profile silver

Art. no.	Version	Dimensions (L x W x H)
BlueNet Metered		
integrated ammeter, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
333.808	7 socket outlets with earthing contact	approx. 482.6 x 44 x 58
333.810	8 IEC320 non-heating appliance socket outlets C13	approx. 482.6 x 44 x 58
333.862	7 IEC320 C19 non-heating appliance socket outlets	approx. 482.6 x 44 x 58
333.864	7 UTE socket outlets	approx. 482.6 x 44 x 58
integrated ammeter, 2.0 m H05VV-F 3G 1.00 mm², black, with CH plug type 12		
333.0422	7 CH socket outlets type 13	approx. 482.6 x 44 x 58

LOCKABLE

BlueNet Metered Plus (16 A / 230 V / 50 Hz)

· Integrated measurement of:
  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)
· Precision +/- 1%
· End caps riveted and do not open
· Includes mounting brackets and screws
· Plastic light grey, aluminium profile silver

Art. no.	Version	Dimensions (L x W x H)
BlueNet Metered Plus		
integrated power metering, 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
329.213	6 socket outlets with earthing contact	approx. 482.6 x 44 x 58
329.214	8 IEC320 non-heating appliance socket outlets C13	approx. 482.6 x 44 x 58
329.215	6 IEC320 C19 non-heating appliance socket outlets	approx. 482.6 x 44 x 58

LOCKABLE

329.213

329.214

329.215

Mains voltage (V)
Displays the voltage of the incoming mains supply to which the power meter is connected.

Current (A)
The current now being drawn by the connected devices.

230 V   50.00 Hz
12.5 A   PF 0.966
2.77 kW

MODE   DELTA

Frequency (Hz)
Current mains frequency

Power factor
Displays the power factor.

Power measurement (kW)
The effective power drawn by the consumers, taking the phase angle into account. Power consumption of the connected devices.

Blu≡Net
Network Series

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

BlueNet

BLUENET MONITORED

Power distribution units

· Integrated measurement of current, voltage, frequency, effective, apparent and
  reactive power and power factor
· Integrated Ethernet connection
· Operated via web browser
· Supported protocols include : HTTP; SNMP
· Integrated temperature sensor
· Up to two sensors can be connected
· Incredibly compact design (WxD: 44 mm x 47 mm)
· Robust aluminium housing
· High-resolution TFT display
· Software can be used to turn the display to make it easier to read

329.3009

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

Art. no.	Version	Dimensions
BlueNet Monitored 1-phase		
2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
329.3009	6 socket outlets with earthing contact	482.6 x 44 x 47 mm
329.3010	8 IEC320 non-heating appliance socket outlets C13	482.6 x 44 x 47 mm
329.3011*	6 IEC320 C13 non-heating appliance socket outlets, 2 IEC320 C19 non-heating appliance socket outlets	482.6 x 44 x 47 mm

LOCKABLE

LOCKABLE

BlueNet Monitored PDU 3-phase (3 x 16 A / 400 V / 50 Hz)

Art. no.	Version	Dimensions
BlueNet Monitored 3-phase		
3.0 m H05VV-F 5G 2.50 mm², black, with CEE plug 16 A red		
329.3012	36 IEC320 non-heating appliance socket outlets C13, 6 socket outlets with earthing contact	1757.7 x 44 x 47 mm
329.3013	36 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets	1757.7 x 44 x 47 mm
329.3014	42 IEC320 non-heating appliance socket outlets C13	1675 x 44 x 47 mm

LOCKABLE

LOCKABLE

LOCKABLE

BlueNet Monitored accessories

Art. no.	Description
BlueNet Monitored accessories	
329.3102	Temperature sensor
329.3104*	Combined temperature and humidity sensor
329.3105*	USB cable for connecting PDU directly to PC

329.3012

* No storage type, delivery time available on request

BLUENET MONITORED

Upgrade modules

The BlueNet Monitored upgrade modules are used to upgrade intelligent modules in an existing power distribution system. Simple integration reduces the work and costs involved in installation to a minimum. Upgrade modules can be supplied with both integrated Ethernet interface and Power Line communications adaptor. The Power Line modules further simplify integration by reducing the cabling required.

BlueNet Monitored 19" upgrade modules (400 V / 50 Hz)

Art. no.	Input	Output	Dimensions (L x W x H)
BlueNet Monitored 19" upgrade module with integrated Ethernet connection			
329.3001*	Wago X-Com 3 phases 32 A	Wago X-Com 3 phases 32 A	482.6 x 44 x 47 mm
329.3003*	CEE red 3 phases 16 A	3 IEC320 C19 16 A	482.6 x 44 x 47 mm
329.3004	CEE red 3 phases 16 A	CEE red 3 phases 16 A	482.6 x 44 x 47 mm

BlueNet Monitored Power Line upgrade modules (400 V / 50 Hz)

Art. no.	Input	Output	Dimensions (L x W x H)
BlueNet Monitored 19" upgrade module with Power Line communications module			
329.3005*	Wago X-Com 3 phases 32 A	Wago X-Com 3 phases 32 A	482.6 x 44 x 47 mm
329.3007*	CEE red 3 phases 16 A	3 IEC320 C19 16 A	482.6 x 44 x 47 mm
329.3008*	CEE red 3 phases 16 A	CEE red 3 phases 16 A	482.6 x 44 x 47 mm

BlueNet Power Line Concentrator

· The BlueNet Power Line Concentrator collects the data from the Power Line PDUs and supplies it to the network via the Ethernet interface

Art. no.	Version
BlueNet Concentrator with Power Line communications module	
329.3016*	1 phase / 230 V
329.3017*	3 phases / 400 V

* No storage type, delivery time available on request   Powerline: configuration, price and delivery time available on request. Powered by E3METER

BLUENET MONITORED PLUS

Power distribution units

· Integrated measurement of current, effective power, voltage, frequency and phase angle
· Integrated Ethernet connection
· Operated via web browser
· Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
· Robust aluminium housing
· Illuminated LCD

BlueNet Monitored Plus PDU 1-phase (16 A / 230 V / 50 Hz)

Art. no.	Version	Dimensions (L x W x D)
BlueNet Monitored Plus 1-phase		
19", 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
329.600	6 socket outlets with earthing contact	482.6 x 44 x 199 mm
329.601	8 IEC320 non-heating appliance socket outlets C13	482.6 x 44 x 199 mm
329.602	6 IEC320 C19 non-heating appliance socket outlets	482.6 x 44 x 199 mm

LOCKABLE

BlueNet Monitored Plus PDU 3-phase (3 x 16 A / 400 V / 50 Hz)

Art. no.	Version	Dimensions (L x W x D)
BlueNet Monitored Plus 3-phase		
3.0 m H05VV-F 5G 2.5 mm², black, with CEE plug 16 A red		
329.615	9 IEC320 non-heating socket outlets C19	695 x 44 x 199 mm
329.617	9 socket outlets with earthing contact	695 x 44 x 199 mm
3.0 m, H05VV-F 5G 2.5 mm² black, with end sleeves		
329.616*	9 IEC320 non-heating socket outlets C19	695 x 44 x 199 mm
329.618*	9 socket outlets with earthing contact	695 x 44 x 199 mm

BlueNet Monitored Plus PDU 3-phase (3 x 32 A / 400 V / 50 Hz)

In the 32 A variants of the Monitored Plus PDUs, per phase the 32 A are split over two groups of pots each using two MCBs.

Art. no.	Version	Dimensions (L x W x D)
BlueNet Monitored Plus 3-phase		
3.0 m H05VV-F 5G 4 mm², black, with CEE plug 32 A red		
329.604	24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets	1713 x 44 x 207 mm
329.605	12 IEC320 C19 non-heating appliance socket outlets	1202 x 44 x 207 mm
329.606	24 socket outlets with earthing contact	1713 x 44 x 207 mm

LOCKABLE
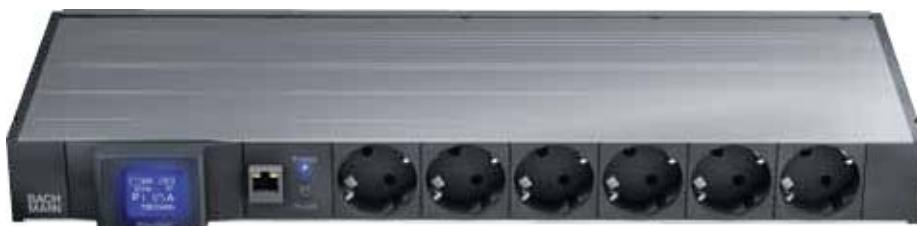
BlueNet Monitored Plus, 19"

* No storage type, delivery time available on request

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 web browser
· Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
· Robust aluminium housing

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

Art. no.	Version	Dimensions (L x W x D)
BlueNet Switched 1-phase		
19", 2.0 m H05VV-F 3G 1.50 mm², black, with right angle plug with earthing contact		
329.700	8 IEC320 non-heating appliance socket outlets C13	482.6 x 44 x 199 mm
329.702	6 socket outlets 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		
329.701	16 IEC320 non-heating appliance socket outlets C13	692 x 44 x 199 mm

LOCKABLE *(329.700, 329.702)*

LOCKABLE *(329.701)*

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 phase is split over two groups
of pots with two MCBs.

Art. no.	Version	Dimensions (L x W x D)
BlueNet Switched 3-phase		
3.0 m Ölflex 3G 4 mm², black, with CEE plug 32 A red		
329.703	24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets	1713 x 44 x 207 mm
329.704	12 IEC320 C19 non-heating appliance socket outlets	1202 x 44 x 207 mm
329.705	24 socket outlets with earthing contact	1713 x 44 x 207 mm

LOCKABLE

329.704

BLUENET MANAGED

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 web browser
· Integrated measurement of current, effective power, voltage, frequency and phase angle
· Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
· Robust aluminium housing
· Illuminated LCD

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

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 Managed 3-phase		
3.0 m H05VV-F 5G 4 mm², black, with CEE plug 32 A red		
329.800	24 IEC320 C13 non-heating appliance socket outlets, 6 IEC320 C19 non-heating appliance socket outlets	1713 x 44 x 207 mm
329.801	12 IEC320 C19 non-heating appliance socket outlets	1202 x 44 x 207 mm
329.802	24 socket outlets with earthing contact	1713 x 44 x 207 mm

LOCKABLE

329.802

The measurement module can be removed in use without interruption of the supply to the connected devices.

Only two height units are required.

Current, effective power, voltage, frequency, phase angle and energy can be read from the LC display on the front of the unit. LEDs indicate whether there is voltage present on each of the phases.

A built-in Ethernet port lets you export readings and set alarm thresholds via a web browser or SNMP.
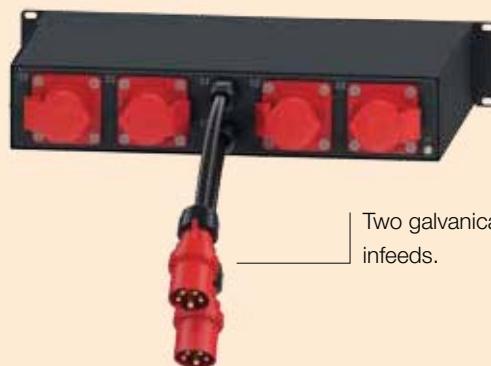
Two galvanically isolated infeeds.

BLUENET POWER UNIT
Modular power distribution in data centres

BlueNet POWER UNIT offers a modular platform for power distribution in data centres. The POWER UNIT basic unit provides power distribution in the rack. If required, the measurement module can be upgraded or replaced during operation without interruption to the supply.

NEW

BLUENET POWER UNIT

Power distribution units

· Integrated measurement of current, effective power, voltage, frequency and phase angle
· Two galvanically isolated power supply units
· Integrated Ethernet connection
· Can be operated by web browser, SNMP or serial interface
· Can optionally also be controlled by ModBus TCP (on request)
· Supported protocols include: HTTP, HTTPS, SNMP, SMTP, NTP, SSH
· Robust enclosure in steel plate
· Illuminated LC display
· Measurement module can be swapped in use without interruption to supply

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

Art. no.	Input	Output
BlueNet Power Unit		**435.6 x 88 x 317 mm**
2 x 1 phase 230 V		
329.9007*	2 x 3.0 m CEE 16 A / 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 16 A / 230 V
329.9016*	2 x C20 16 A / 230 V	2 x C19 16 A / 230 V
2 x 3 phase 400 V		
329.9008*	2 x 3.0 m CEE 16 A / 400 V	4 x CEE 16 A / 400 V
329.9013*	2 x 3.0 m CEE 16 A / 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

329.9007   329.9007   329.9014   329.9015

329.9008   329.9008   329.9013

BlueNet Power Unit measurement module

Art. no.	Version
BlueNet Power Unit Monitored Plus	
with integrated Ethernet interface	
329.9010*	16 - 32 A / 230 V
329.9011	16 - 32 A / 400 V

BlueNet Power Unit set (basic unit + measurement module)

Art. no.	Input	Output
BlueNet Power Unit		**435.6 x 88 x 317 mm**
2 x 1 phase 230 V		
329.9001	2 x 3.0 m CEE 16 A / 230 V	4 x CEE 16 A / 230 V
2 x 3 phase 400 V		
329.9002	2 x 3.0 m CEE 16 A / 400 V	4 x CEE 16 A / 400 V
329.9003	2 x 3.0 m CEE 32 A / 400 V	4 x CEE 32 A / 400 V

* No storage type, delivery time available on request

BlueNet

BLUENET CEE OUTLET BOX
Intelligent infrastructure

The BlueNet CEE outlet box is an easy-to-install intelligent system for monitoring and displaying power. The product is perfectly suited to data centres and industrial applications. The BlueNet CEE outlet box 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.

NEW

BLUENET CEE OUTLET BOX

Intelligent infrastructure

· Integrated measurement of current, voltage, frequency, effective, apparent and reactive power and power factor
· Integrated Ethernet connection
· Operated via web browser
· Supported protocols include: HTTP; SNMP
· Integrated temperature sensor
· Up to two sensors can be connected (see page 199)
· Robust enclosure in steel plate
· High-resolution TFT display
· 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.

329.3032

329.3030

329.3033

BlueNet CEE outlet box

Art. no.	Input	Output
BlueNet outlet box		**232 x 104 x 102 mm**
16 A		
329.3030	1.0 m CEE plug, blue	CEE outlet 16 A / 230 V
329.3031	1.0 m CEE plug, red	CEE outlet 16 A / 400 V
329.3032	Connector	CEE outlet 16 A / 230 V
329.3033	Connector	CEE outlet 16 A / 400 V
32 A		
329.3034	1.0 m CEE plug, blue	CEE outlet 32 A / 230 V
329.3035	1.0 m CEE plug, red	CEE outlet 32 A / 400 V
329.3036	Connector	CEE outlet 32 A / 230 V
329.3037	Connector	CEE outlet 32 A / 400 V

329.3031

Integrated Ethernet connection & connection point for up to two external sensors (see page 199).

The TFT display can be turned in 90° steps to make it easier to read.

Removable mounting plate for cable ducts or wall mounting. Other mounting plates available on request.

The integrated terminal block enables simple connection to existing cabling.

BlueNet

ACCESSORIES

Mounting brackets for standard 1 U profile

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

| Art. no.	Version
1 U mounting brackets	
19", Zero-U Space	
940.142	· Mounting brackets left and right
> 1 U mounting brackets	
19", Zero-U Space	
940.096	· Mounting brackets left and right
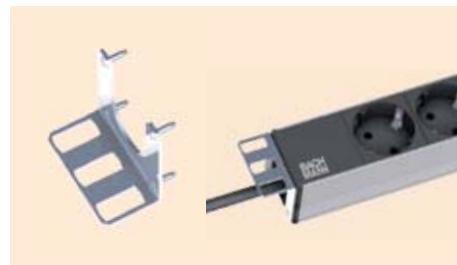
Fixing brackets in sheet steel for 1 U:
4 adjustable screw fastenings, each can be rotated
90° degrees, vertical installation also possible.

Mounting brackets for VM profile variant / Zero U-Space installation

· Power strip is fixed by insertion into the profile groove provided.
· No additional screws required.

Art. no.	Version
1 U mounting brackets	
19", Zero-U Space	
940.141	· Mounting brackets left and right
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
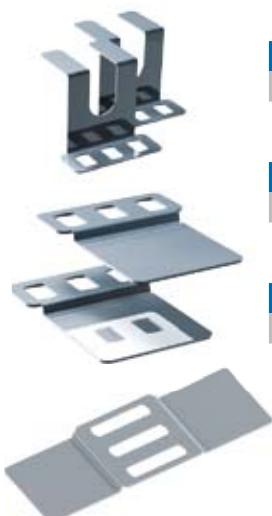
Locking clip

Art. no.	Version
Locking clips	
940.103	· Red locking clip for IEC320 appliance socket outlets C13, supplied in packs of 12.

Connecting cable for interlock

Art. no.	Version
Connecting cable for interlock	
356.119	· Connecting cable, 0.5 m, black, H05VV-F 3G 1.0 mm²
	· End 1: moulded non-heating appliance plug IEC C14
	· End 2: moulded non-heating appliance socket outlet IEC C13
356.120	· Connecting cable, 1.0 m, black, H05VV-F 3G 1.0 mm²
	· End 1: moulded non-heating appliance plug IEC C14
	· End 2: moulded non-heating appliance socket outlet IEC C13

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
800.0052	Unlocking tool for locking cap

Shift inhibitor

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

Art. no.	Version
Shift inhibitor	
940.140	· Actuation lock for circuit breakers and switches, 1 pole, to protect against unauthorised or dangerous activation of the switch lever

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

NEW

Accessories

Data cables –> Transfer of data within various categories

Art. no.	Length	Version
CAT5e patch cable plug/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	· Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock
		· Suitable for e.g. CAT5e socket / socket 940.057
CAT6 patch cable plug / plug		
940.040	3.0 m	· CAT6 cable, shielded, colour grey
940.041	5.0 m	· Conforms to ISO / IEC 11801 and EN 50173
		· Ends 1 and 2: RJ45 plug with kink protection nozzle and protective tongue for interlock
		· Suitable for e.g. CAT6 socket / socket 940.044
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 kink protection nozzle 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 kink protection nozzle 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	· RJ12 cable, unshielded, colour black
		· Conforms to ISO / IEC 11801 and EN 50173
		· Ends 1 and 2: RJ12 plug with kink protection nozzle
		· Suitable for e.g. RJ12 socket / socket 940.085

USB connecting cable

Art. no.	Length	Version
USB A/B connecting cable		
940.046	3.0 m	· USB A/B connecting cable, colour black
		· End 1: plug A
		· End 2: plug B
		· Can be used with custom modules with USB B socket / socket (e.g. 917.018)

Flexible cable management system

· The links are safe to step on and break-proof; they can be displaced with respect to one another
· 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		
930.030	Black	· For horizontal and vertical cable routing
930.031	Silver	· 3-chamber system to separate low-current, data and power cables
		· 46 chain links, W x H: approx. 54 x 23 mm
		· Length (separated): approx. 100 cm
		· Length (pushed together):·approx. 72 cm
KABELSCHLANGE® Cube		
930.058	Black	· For horizontal and vertical cable routing
930.059	Silver	· 2-chamber system to separate low-current, data and power cables
		· 34 chain links, W x H: approx. 55 x 25 mm
		· Length (separated): approx. 100 cm
		· Length (pushed together):·approx. 69 cm
KABELSCHLANGE® Pro		
930.032	Black	· For horizontal cable routing
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
		· Length (pushed together):·approx. 69 cm
KABELSCHLANGE® Premium-Set		
930.049	Black	· For vertical cable routing to high-quality office furniture
930.050	Silver	· Looks-orientated premium set: 16 chain links, W x H: approx. 35 x 70 mm 1 x metal base plate in appropriate colour 1 x end piece for fixing to desk, screws
		· The chain links can be pushed together completely to form a self-locking, elliptical cable duct
		· 2-chamber system to separate data and power cables
		· Length incl. base plate and desk fixing approx. 78 cm
		· Length without accessories approx. 75 cm
		· Length (pushed together):·approx. 59 cm per set
KABELSCHLANGE® Easy-Clip		
For KABELSCHLANGE® Classic, Cube and Pro		
930.037	Black	· Clip for tool-free flexible connection to power columns (e.g. Power Tower)
930.038	Silver	· Plug in the clip at the end of the KABELSCHLANGE® and attach the wire bracket to the terminals on the power column
KABELSCHLANGE® Easy-Clip for floor outlet		
930.036	For KABEL-SCHLANGE® Classic	· Patented adaptor for docking the KABELSCHLANGE® cable management systems to all common floor outlets
930.054	For KABEL-SCHLANGE® Pro and Cube	· Clip with elongated holes and fixing holes, can be used for horizontal or vertical fixing to furniture or trunking by removing components that are not required
		· Clip, pushes onto bottom of the last chain link
		· Clip yields flexibly in the event of impact (e.g. when floor is being cleaned), thus avoiding damage to outlet or clip

Accessories

Art. no.	Colour	Version

KABELSCHLANGE® Easy-Fix 90S   **Dimensions (L x W x H) 48 x 20 x 20 mm**

For KABELSCHLANGE® Classic, Cube and Pro

| 930.055 | Black | · Bracket for vertical fixing e.g. to undersides of desk/table tops |
| | | · D = 1.5 mm; 2 drill holes, diameter = 4 mm. Hole spacing 30 mm |

KABELSCHLANGE® Easy-Stop

930.042	Black	· Cable grip to fix cables (to ensure cabling complies with standards) securely and tightly to the fixing point
		· Suitable for horizontal and vertical fixing
		· Can be used as an individual component or combined with any Easy-Line© rail
		· With connector clips to connect to system independently of direction

KABELSCHLANGE® Easy-Line

For KABELSCHLANGE® Classic and Pro curved and straight sections

930.039	Straight	· Ideal for mounting on walls or ceilings
930.040	90° curved section Radius 150 mm	· Can also be used for horizontal desk cabling, for trunking or for skirting
930.041	22.5° curved section	· 4 x Easy-Line straight sections are sufficient for one metre of KABELSCHLANGE® Classic
		· Please fit an Easy-Stop cable grip to each free end!

KABELSCHLANGE® cable clamp set with cable grip

930.051	Black	· Cable clamp set, screws onto underside of desk/table top
		· Clamp allows further routing of cable under he desk/table top
		· Contents: - Cable clamp incl. 2 fixing screws (for thin desk / table tops too) - Strain relief with adjusting screw

KABELSCHLANGE® Easy-Switch

For KABELSCHLANGE® Classic, Cube and Pro

930.034	Black	· The Easy-Switch distributor turns the KABELSCHLANGE® into a network-compatible cable management system
930.035	Silver	· The Easy-Switch docks without tools to the KABELSCHLANGE® using the adaptor chain links
		· Note: If using with KABELSCHLANGE® Pro you should also order Classic chain links to link to the distributor

KABELSCHLANGE® Easy-Switch

For KABELSCHLANGE® Classic, Cube, Pro and Premium

930.057	Black	· 4-way distributor with 3 x 120° horizontal junction sockets for KABELSCHLANGE® Classic, Cube and Pro
		· 1 vertical coupling point for KABELSCHLANGE® Premium
		· Incl. fixing screw and solid base plate (Easy-Floor Premium)
		· Set contains 4 KS Cube coupling links for linking to KABELSCHLANGE® Pro

KABELSCHLANGE® Easy-Cap

| 930.044 | Black | · Blank cap to seal unused Easy-Switch |
| 930.045 | Silver | connection points |

BRIDGE – the cable duct

Art. no.	Length	Version

CABLE BRIDGE		**Dimensions: (W x H) 146 x 9 mm**
Cable duct, straight		
930.060	1.0 m	· Anodised aluminium profile, with rippled surface to reduce slipping
930.061	2.0 m	· 3-chamber system allowing power and data cables to be routed separately
		· Can be fixed with double-sided tape or screwed into place on the floor (see fixing accessories)

CABLE BRIDGE		
Bracket for cable duct		
930.062	45°	· Bracket in anodised aluminium
930.063	90°	

CABLE BRIDGE		
Linking element for cable duct		
930.064	Straight	· Link for joining straight cable ducts
		· Screws into place with integral screws
		· 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

Wrap textile-fibre sleeves bundle and protect cables and wires in data centre and office environments. The elastic braided sheath with its monofilament fibres assures fire and abrasion resistance and is thus also ideal for professional and industrial use.
Wrap textile-fibre sleeves are aesthetically appealing and can also be retrofitted to cable sets without difficulty.
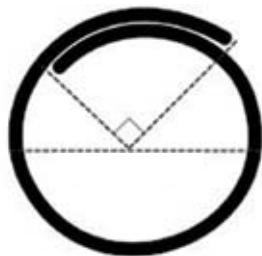
Automatic Wrap

The unique, sectional, semi-rigid weave makes Automatic Wrap an ideal solution for situations in which simple installation is required. Its side opening allows for a wide range of applications and can be closed again without the need for aids such as adhesive tape. The PET braid is light and flexible. The edge, which juts out by 25 %, provides cover for the cable extensions and connections inside. Automatic Wrap can be routed around narrow edges without opening or becoming warped. Unlike rigid cable ducts, it does not impair the flexibility of the cable harness.

The advantages at a glance	• Simple, low-cost installation with minimal labour
	• More flexible than coiled or wound solutions
	• 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

Art. no.	Length	Version
Automatic Wrap		
Dimensions: diameter 2.54 cm = 1 inch		
930.900	1.0 m	· Black
930.901	2.0 m	· Black
930.902	3.0 m	· Black

Art. no.	Length	Version
Automatic Wrap		
Dimensions: diameter 5.08 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

Manual Wrap is an exclusive product that offers the ideal solution for numerous applications. A strong Velcro fastener makes the application simple to fit. The entire length of the run remains accessible after installation, e.g. for adding or removing cables or connections. The stretchable woven braid allows the Manual Wrap to bundle and sheathe cables of various diameters. Manual Wrap can also wrap around applications with non-standard shapes. It can be cut cleanly with a thermal cutting device (optional).

The advantages at a glance	• Strong Velcro fastener for frequent access • Can be stretched over plugs and sockets • Halogen-free • Resistant to chemicals and solvents • Melting point ~230 °C

Art. no.	Version	Version
Manual Wrap		
Dimensions: diameter 3.18 cm = 1 ¼ inch		
930.906*	1.0 m	· Black
930.907*	2.0 m	· Black
930.908*	3.0 m	· Black

Manual Wrap		
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, delivery time available on request

Electrical materials

SOCKET OUTLETS

CABLES

CONSTRUCTION SITE ACCESSORIES

ADAPTORS

PLUGS / COUPLINGS

Socket outlets

AUTOMATIC
Saves Energy

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.

The advantages at a glance	• 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 • Improvement to carbon footprint

Automatic switchoff   GREEN

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 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.
- Power can be restored simply by pressing the button.
- Optional remote-controlled relay (mounts simply on the desk/table top)
- Energy saving per workstation (with PC, monitor and printer) up to 200 kWh/year

Monitor Scanner Printer

PC

Button automatic switchoff

GREEN

~ **€40** per year per workstation

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.

- Once master device is shut down/switched off, automatically isolates this and all slave devices from supply
- Once master device has been switched on, automatically switches on this and all slave devices
- Integral LED indicates switching status
- Energy saving per workstation (with PC, monitor and printer) up to 150 kWh/year

Monitor Scanner Printer

PC

GREEN

~ **€25** per year

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 automatically on and off within the preset time window

GREEN

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.

- For monitoring energy consumption and advance energy cost calculation for the devices connected
- With plug adaptor for mobile use with different consumers

GREEN

These figures do not refer to the product shown specifically and are not a part of the product offer but are provided solely for purposes of comparison.

Socket outlets

Easy and quick to reconnect

Mounting hole

Earthing contacts sockets set at 35°, with nickel-plated earthing contacts and child-proof

2-pole illuminated rocker switch, 16 A

Rounded end caps with handy automatic cable rewind and screw-mounting eyes

Torsionally rigid profile in high-quality anodised aluminium

1.75 m H05VV-F 3G 1.50 mm² supply cable with moulded right angle plug with dual earthing contact system

High-grade integrated electronic components e.g. overvoltage protection, mains and frequency filters, master-and-slave system, ISDN protection etc.

PRIMO
Power strips for professionals.

The advantages at a glance	• Exclusive to the specialist trade
	• Professional quality
	• Full range
	• Attractive modern design
	• Tested components
	• Halogen and PVC-free socket recesses

Max. 16 A / 3680 W

· 1.75 m supply cable: H05VV-F 3G 1.50 mm², socket inserts, black
  with moulded right angle plug with earthing contact

Art. no.	Version	Dimensions: (L x W x H)
PRIMO		
Without switch		
331.000	· 3 socket outlets with earthing contact, black	· approx. 304 x 71 x 46 mm
331.010	· 6 socket outlets with earthing contact, black	· approx. 431 x 71 x 46 mm
331.011	· 9 socket outlets with earthing contact, black	· approx. 560 x 71 x 46 mm
331.012	· 12 socket outlets with earthing contact, black	· approx. 690 x 71 x 46 mm
PRIMO		
1 x switch, 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 overvoltage protection, without switch		
331.014	· 6 socket outlets with earthing contact · Overvoltage and transient protection · Discharge current 6.5 kA	· approx. 474 x 71 x 47 mm
PRIMO, 6 x earthing contact		
1 x overvoltage protection, 1 x switch, green		
331.013	· 6 socket outlets with earthing contact · Overvoltage and transient protection · Discharge current 6.5 kA · Green switch	· approx. 474 x 71 x 54 mm
PRIMO		
1 x overvoltage protection + mains and frequency filters, without switch		
· Overvoltage protection + mains and frequency filters		
331.006	· 6 socket outlets with earthing contact	· approx. 515 x 71 x 47 mm
331.007	· 9 socket outlets with earthing contact	· approx. 645 x 71 x 47 mm
PRIMO		
1 x overvoltage protection + mains and frequency filters, 1 x switch, green		
· Overvoltage protection + mains and frequency filters		
· Green switch		
331.071	· 6 socket outlets with earthing contact	· approx. 560 x 71 x 54 mm
331.072	· 9 socket outlets with earthing contact	· approx. 690 x 71 x 54 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 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.

Socket outlets

PRIMO / Aluminium

Max. 16 A / 3680 W

· 1.75 m supply cable: H05VV-F 3G 1.50 mm² with moulded right angle plug with earthing contact
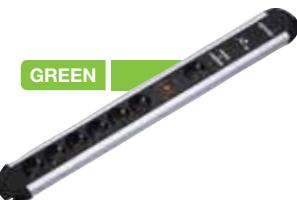
| Art. no.	Version	Dimensions: (L x W x H)
PRIMO, 6 x earthing contact		
1 x overvoltage protection + mains and frequency filters, 1 x ISDN protection, 1 x green switch		
331.074*	· 6 socket outlets with earthing contact · Overvoltage protection + mains and frequency filters · ISDN overvoltage protection for 1 x ISDN input, 3 x ISDN output	· approx. 645 x 71 x 54 mm
PRIMO, 1 + 6 x earthing contact		
Master & slave		
332.071	· 1 + 6 socket outlets with earthing contact · With threshold value setting	· approx. 573 x 71 x 47 mm
PRIMO, 1 + 6 x earthing contact		
Master & slave, with overvoltage protection + mains and frequency filters		
333.071	· 1 + 6 socket outlets with earthing contact · With threshold value setting · Overvoltage protection + mains and frequency filters	· approx. 695 x 71 x 47 mm
PRIMO Alu with USB charger		
8x socket outlets with earthing contact		
331.154	· Socket inserts set at 35° · Double USB charging port with 2150 mA · Green switch · 1.75 m H05VV-F 3G 1.5 mm² supply cable, black with right angle plug with earthing contact	· approx. 560 x 71 x 54 mm
PRIMO, 5 x earthing contact		
85 mm socket outlet spacing, without switch		
· Ideal for connecting mains supply unit plugs		
331.032	· 5 socket outlets with earthing contact, black	· approx. 515 x 71 x 46 mm
PRIMO, 6 x earthing contact		
IT red, without switch		
331.040	· 6 red socket outlets with earthing contacts for IT circuits	· approx. 390 x 71 x 46 mm
PRIMO, 6 x earthing contact		
1 x residual current device		
331.035	· 6 socket outlets with earthing contact · 30 A residual current device · Tripping time < 30 mS · 2-pin	· approx. 516 x 71 x 83 mm

GREEN

GREEN

USB CHARGER

NEW

Overvoltage protection with filter: Overvoltage protection - conforms to DIN VDE 0620-1:-012002, 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.

* No storage type

PRIMO – Product matrix
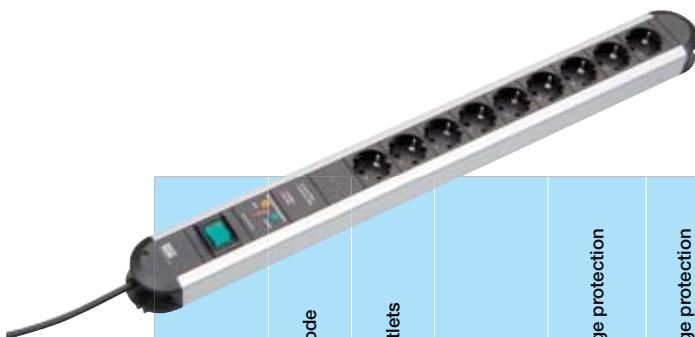
PRIMO	Country code	Socket outlets	Switch	Overvoltage protection	Overvoltage protection for ISDN	Mains and frequency filters	Master & slave	30 mA residual current device	Can be rewired	Child-proof	Length in mm
331.000	DE	3	-	-	-	-	-	-	yes	yes	304
330.070	DE	3	yes	-	-	-	-	-	yes	yes	304
331.032	DE	5	85 mm socket outlet spacing						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

* No storage type

Visual failure indicator for overvoltage protection

Overvoltage protection (with optional mains and frequency filters)

Nickel-plated earthing contacts; earthed sockets set at 35° and child-proof

2-pole illuminated rocker switch, 16 A

1.75 m H05VV-F 3G 1.5 mm² supply cable with moulded right angle plug with dual earthing contact system

Body in high-quality anodised aluminium

DUO

High-grade power strip.
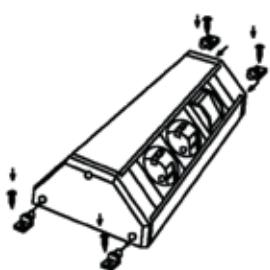
The advantages at a glance	• Installation kit with fixing screws included
	• High-quality ergonomic power strip
	• Clear connection system

Max. 16 A / 3680 W

· 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°, child-proof

Art. no.	Version	Dimensions: (L x W x H)
DUO 6 x earthing contact		**Aluminium**
1 x switch		
335.002	· 6 German-type socket outlets, rotated 35° · 1 x switch, green	· 240 x 116 x 60 mm
DUO 2 x 6 earthing contact		**Aluminium**
1 x overvoltage protection, 2 x switch		
335.009	· 12 German-type socket outlets, rotated 35° · 2 x switch, green; one switch per side	· 405 x 116 x 60 mm
DUO 6 x earthing contact		**Aluminium**
1 x overvoltage protection with mains and frequency filters, 1 x switch		
335.007	· 6 German type socket outlets, rotated 35° · 1 x switch, green	· 325 x 116 x 60 mm

Nickel-plated earthing contacts; earthed sockets set at 35° and child-proof

Visual failure indicator for overvoltage protection (with optional mains and frequency filters)

2-pole illuminated rocker switch, 16 A

Body in high-quality anodised aluminium

1.75 m H05VV-F 3G 1.5 mm² supply cable with moulded right angle plug with dual earthing contact system

COMPACT

Socket tower.

| The advantages at a glance | • Ideal for large number of plugs in limited space
• Attractive design
• Mounting accessories included |

Max. 16 A / 3680 W

· 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°, child-proof
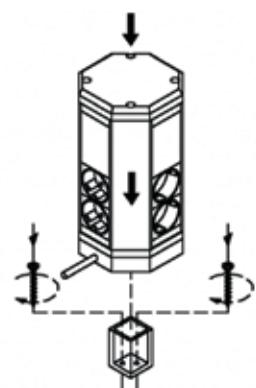
Art. no.	Version	Dimensions: (L x W x H)
COMPACT 8 x earthing contact		**Aluminium**
1 x switch		
334.006	· 8 German type socket outlets, rotated 35° · 1 x switch, green	· 116 x 116 x 179 mm
COMPACT 12 x earthing contact		**Aluminium**
1 x switch		
334.001	· 12 German type socket outlets, rotated 35° · 1 x switch, green	· 116 x 116 x 222 mm
COMPACT 9 x earthing contact		**Aluminium**
1 x overvoltage protection with mains and frequency filters, 1 x switch		
334.003	· 9 German-type socket outlets, rotated 35° · Overvoltage protection with mains and frequency filters · 1 x switch, green	· 116 x 116 x 222 mm

Handy automatic cable rewind

Silver plastic profile

Child-proof

2-pole illuminated rocker switch, 16 A

2.0 m H05VV-F 3G 1.50 mm² supply cable with moulded right angle plug with dual earthing contact system. Except with: 330.300

Black end caps

Socket inserts set at 35°, with nickel-plated earthing contact

Mounting flange for quick and secure fixing

CONNECTUS
Modular plastic power strip.

The advantages at a glance	• Very good value for money
	• Exclusive to the specialist trade
	• Wide range
	• High-grade technology
	• Tested components
	• Halogen and PVC-free socket recesses

Max. 16 A / 3680 W

· 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		
330.100	· 4 socket outlets with earthing contact	· approx. 355 x 72 x 49 mm
330.101	· 6 socket outlets with earthing contact	· approx. 440 x 72 x 49 mm
330.102	· 9 socket outlets with earthing contact	· approx. 570 x 72 x 49 mm
330.103	· 12 socket outlets with earthing contact	· approx. 695 x 72 x 49 mm
CONNECTUS 6 x earthing contact		
1 x overvoltage protection, 1 x orange rocker switch		
330.104	· 6 socket outlets with earthing contact · Overvoltage protection · Optical 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 orange rocker switch		
330.105	· 6 socket outlets with earthing contact · Overvoltage protection + mains and frequency filters · Optical function and fail indicator	· approx. 568 x 72 x 49 mm
CONNECTUS 1 + 4 x earthing contact		
Master & slave		
330.106	· 1 master + 4 slave socket outlets with earthing contact · With threshold value setting	· 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 outlets with earthing contact · With threshold value setting · Overvoltage protection + mains and frequency filters · Optical function and fail indicator	· approx. 610 x 72 x 49 mm

GREEN

GREEN

Socket outlets

Max. 16A/3680W

Supply cable: 2.0 m H05VV-F 3G 1.00 mm², 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 10A fuse		
330.300	· 3 socket outlets with earthing contact, red · 10A miniature fuse	· approx. 273 x 72 x 46 mm

Max. 16A/3680W

· 1.5 m supply cable: H05VV-F 3G 1.50 mm²,
· Foot-operated switch with 2-pole cutout
· 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		
1 x foot-activated switch		
330.142	· Function LED in foot-activated switch · 1.5 m H05VV-F 4G 1.50 mm² cable to switch · 6 socket outlets with earthing contact	· approx. 442 x 72 x 49 mm
6 x earth contact black/grey, child-proof, 1 x foot-activated switch with LED, black		
330.153	· H05VV-F 3G 1.50 mm² 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) · Does not open, cannot be reconnected · Packaged in carton	· approx. 572 x 72 x 49 mm

GREEN

Max. 16A/3680W

· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black with right angle plug with earthing contact
· 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 integrated automatic switchoff device		
330.140	· 1 master + 4 slave German-type socket outlets · With integral automatic switchoff device with external button · With threshold value setting	· approx. 538 x 72 x 49 mm

GREEN

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.

Max. 16 A / 3,600 W ⊙ 🇫🇷

· 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 UTE socket outlets	· approx. 355 x 72 x 49 mm
330.101F	· 6 UTE socket outlets	· approx. 440 x 72 x 49 mm
CONNECTUS 6 x UTE socket outlets		
1 x overvoltage protection + mains and frequency filters, 1 x orange rocker switch		
330.104F*	· 6 UTE socket outlets	· approx. 480 x 72 x 49 mm
	· Overvoltage protection + mains and frequency filters	
	· Optical function and fail indicator	
CONNECTUS 1 + 4 x UTE socket outlets		
Master & slave		
330.106F*	· 1 master + 4 slave socket outlets with earthing contact	· approx. 480 x 72 x 49 mm
	· With threshold value setting	

CONNECTUS – Product matrix

Socket outlets

CONNECTUS	Country code	Socket outlets	Switch	Foot switch with function LED with 1.5 m 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	Child-proof	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 appliance 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

* No storage type
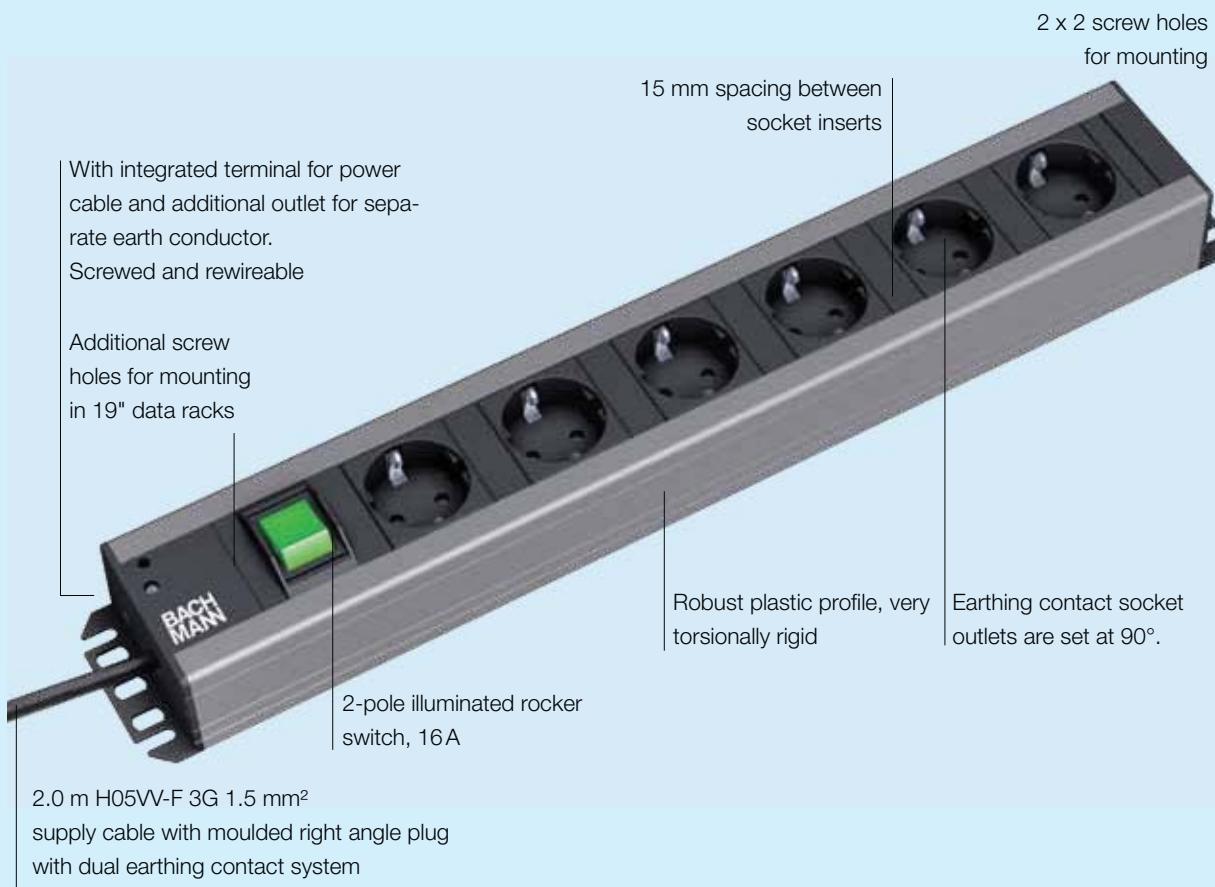
2 x 2 screw holes
for mounting

15 mm spacing between
socket inserts

With integrated terminal for power
cable and additional outlet for sepa-
rate earth conductor.
Screwed and rewireable

Additional screw
holes for mounting
in 19" data racks

Robust plastic profile, very
torsionally rigid

Earthing contact socket
outlets are set at 90°.

2-pole illuminated rocker
switch, 16 A

2.0 m H05VV-F 3G 1.5 mm²
supply cable with moulded right angle plug
with dual earthing contact system

TRADESMAN'S STRIP
Robust, professional quality plastic strip.

With increased distance between socket outlets, allowing easy positioning of mains adap-
tor plugs and operating equipment.

**The advantages
at a glance**
- Modern, technical design
- End caps with additional screw holes for mounting
  in data racks
- 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-F 3G 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)
Power strip 90°		
Without switch		
300.000	· 6 socket outlets with earthing contact	· approx. 445 x 74 x 45 mm
300.001	· 9 socket outlets with earthing contact	· approx. 617 x 74 x 45 mm
300.002	· 12 socket outlets with earthing contact	· approx. 790 x 74 x 45 mm
1 x rocker switch, green		
300.003	· 6 socket outlets with earthing contact	· approx. 445 x 74 x 45 mm
300.004	· 9 socket outlets with earthing contact	· approx. 617 x 74 x 45 mm
300.005	· 12 socket outlets with earthing contact	· approx. 790 x 74 x 45 mm
1 x overvoltage protection, 1 x rocker switch, green		
300.011	· 6 socket outlets with earthing contact	· approx. 490 x 74 x 45 mm
1 x overvoltage protection + mains and frequency filters, 1 x rocker switch, green		
300.012	· 6 socket outlets 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 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.

Socket outlets

Tradesman's strip set at 90°

· Supply cable: 2.0 m H05VV-F 3G 1.50 mm², black with right angle plug with earthing contact
· Socket inserts, black, 15 mm spacing between sockets

NEW

USB CHARGER

Art. no.	Version	Dimensions: (L x W x H)
Tradesman's strip with USB charger		
5 x socket outlets with earthing contact		
300.030	Socket inserts set at 90° · Double USB charging port with 2150 mA · Green switch · 2.0 m H05VV-F 3G 1.5 mm² supply cable, black with right angle plug with earthing contact	· approx. 445 x 74 x 45 mm

Tradesman's strip set at 35°

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

Art. no.	Version	Dimensions: (L x W x H)
Power strip 35°		
Without switch		
300.006	· 8 socket outlets with earthing contact	· approx. 445 x 74 x 45 mm
1 x rocker switch, green		
300.007	· 7 socket outlets with earthing contact · In neutral PVC pouch	· approx. 445 x 74 x 45 mm

19"

19"

Tradesman's strip – Product matrix

TRADESMAN'S STRIP	Country code	Socket outlets set at 90°	Switch	Overvoltage protection	Mains and frequency filters	Can be rewired	Child-proof	Note	Length in mm
300.030	DE	5	yes	-	-	yes	-	USB	445
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

Socket outlets

smart *line*

Impact-resistant
plastic version

Child-proof

2-pole, illuminated rocker switch

Handy automatic
cable rewind

Supply cable with
moulded right
angle plug with
dual earthing
contact system

Socket inserts set at 35°,
with nickel-plated earthing contact

Mounting flange for quick and
secure fixing
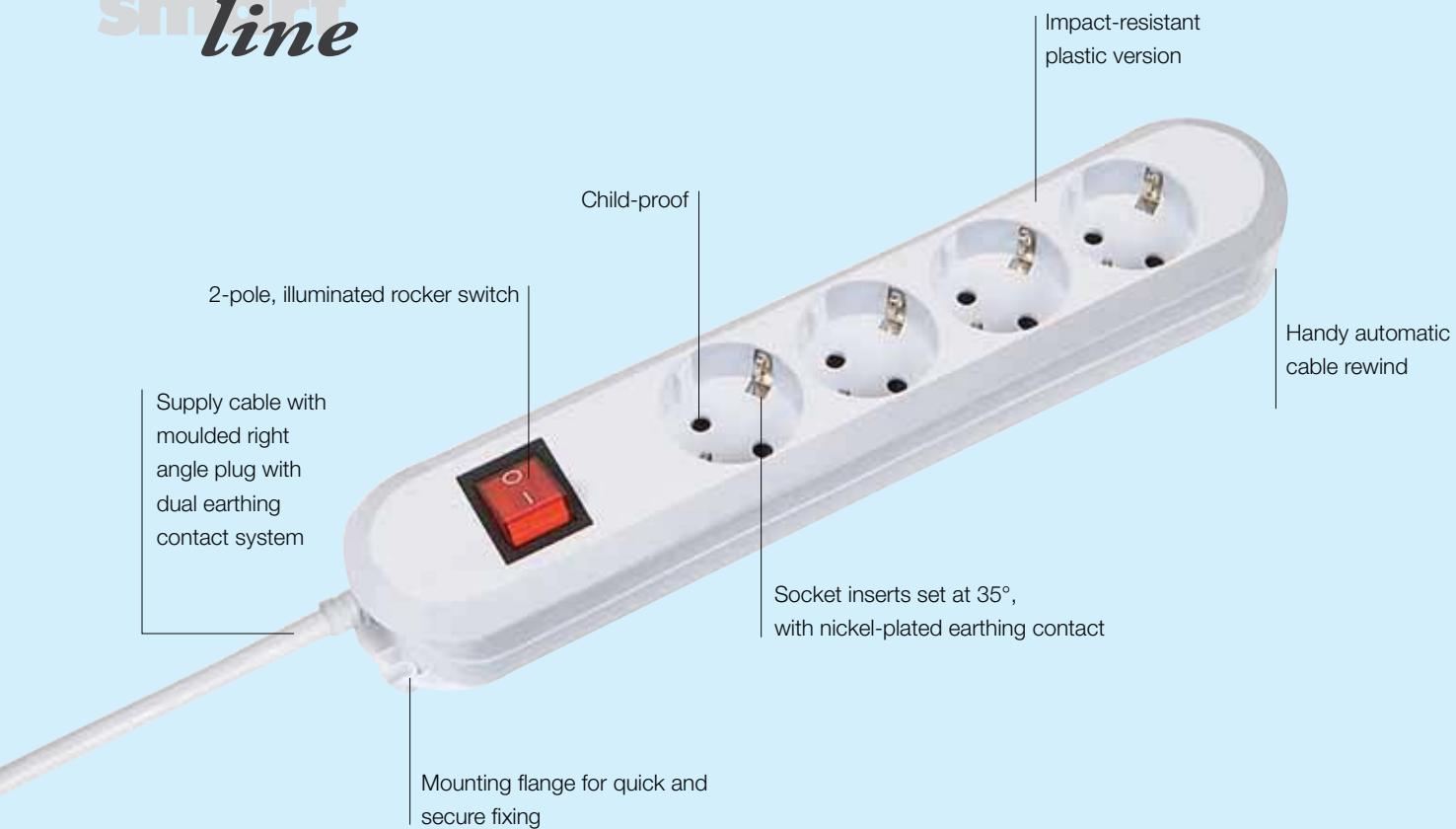
SMART
Desk socket outlet in specialist trade quality.

The advantages at a glance	• Exclusive to the specialist trade
	• Specialised trade design
	• For professional use
	• Tested quality
	• Product variants:
	• Screwed and rewireable
	• Overvoltage protection

Max. 16 A / 3680 W ⌖ 🇩🇪   For suitable screw mounting, see page 237

· 3 x socket outlets with earthing contact
· Supply cable: H05VV-F 3G 1.50 mm²

Art. no.	Version		Unit
SMART (not rewireable)		**Dimensions: approx. 185 x 56 x 41 mm**	
1.5 m supply cable, screwed (single use screws), without switch			
· 3 earthing contact socket outlets, child-proof			
387.170	· Black		20 items
387.270	· White		20 items
3.0 m supply cable, screwed (single use screws), without switch			
· 3 earthing contact socket outlets, child-proof			
387.171	· Black		20 items
387.271	· White		20 items
5.0 m supply cable, screwed (single use screws), without switch			
· 3 earthing contact socket outlets, child-proof			
387.172	· Black		15 items
387.272	· White		15 items

Art. no.	Version		Unit
SMART (rewireable)		**Dimensions: approx. 185 x 56 x 41 mm**	
1.5 m supply cable, screwed (reusable screws), without switch			
· 3 earthing contact socket outlets, child-proof			
388.170	· Black		20 items
388.270	· White		20 items
3.0 m supply cable, screwed (reusable screws), without switch			
· 3 earthing contact socket outlets, child-proof			
388.171	· Black		20 items
388.271	· White		20 items
388.471	· Brown		20 items
388.371	· Red		20 items
5.0 m supply cable, screwed (reusable screws), without switch			
· 3 earthing contact socket outlets, child-proof			
388.172	· Black		15 items
388.272	· White		15 items
Without supply cable, screwed (reusable screws), without switch			
· 3 earthing contact socket outlets, child-proof			
385.170	· Black		20 items
385.270	· White		20 items

Socket outlets

Max. 16 A / 3680 W

· Supply cable: H05VV-F 3G 1.50 mm²

Art. no.	Version	Unit
SMART 4 x earthing contact		**Dimensions: approx. 288 x 56 x 41 mm**
1.5 m supply cable, screwed (reusable screws), rewireable, without switch		
· 4 earthing contact socket outlets, child-proof		
381.121K	· Black	20 items
381.221K	· White	20 items
1.5 m supply cable, 1 x switch, screwed (reusable screws), rewireable		
· 4 earthing contact socket outlets, child-proof		
381.130K	· Black	20 items
381.230K	· White	20 items
SMART 6 x earthing contact		**Dimensions: approx. 370 x 56 x 41 mm**
1 x overvoltage protection, 1 x switch, 1.5 m supply cable, screwed (screws non-reusable), non-rewireable		
· 6 earthing contact socket outlets, child-proof		
· Overvoltage protection consisting of: 2 varistors, nominal discharge current 6.5 kA, 16 A, 3680 W, temperature fuse and visual fail indicator		
381.2501K	· White	20 items
SMART 6 x earthing contact		**Dimensions: approx. 340 x 56 x 41 mm**
1.5 m supply cable, screwed (reusable screws), rewireable, without switch		
· 6 earthing contact socket outlets, child-proof		
381.147K	· Black	20 items
381.247K	· White	20 items
3.0 m supply cable, screwed (reusable screws), rewireable, without switch		
· 6 earthing contact socket outlets, child-proof		
381.148K	· Black	20 items
381.248K	· White	20 items
5.0 m supply cable, screwed (reusable screws), rewireable, without switch		
· 6 earthing contact socket outlets, child-proof		
381.149K	· Black	15 items
381.249K	· White	15 items
Without supply cable, screwed (reusable screws) rewireable, without switch		
· 6 earthing contact socket outlets, child-proof		
381.146K	· Black	20 items
381.246K	· White	20 items
1.5 m supply cable, 1 x switch, screwed (reusable screws), rewireable		
· 6 earthing contact socket outlets, child-proof		
381.150K	· Black	20 items
381.250K	· White	20 items
381.450K	· Brown	20 items
3.0 m supply cable, 1 x switch, screwed (reusable screws) rewireable		
· 6 earthing contact socket outlets, child-proof		
381.151K	· Black	20 items
381.251K	· White	20 items
5.0 m supply cable, 1 x switch, screwed (reusable screws), rewireable		
· 6 earthing contact socket outlets, child-proof		
381.152K	· Black	15 items
381.252K	· White	15 items

Max. 16A / 3680W

· Supply cable: H05VV-F 3G 1.50 mm², white

Art. no.	Version	Unit
SMART 3 x UTE		**Dimensions: approx. 185 x 56 x 41 mm**
1.5 m supply cable, screwed (reusable screws), rewireable, without switch		
3 UTE, child-proof		
388.270F	· White	20 items
3.0 m supply cable, screwed (reusable screws), rewireable, without switch		
3 UTE, child-proof		
388.271F	· White	20 items
SMART 6 x UTE		**Dimensions: approx. 340 x 56 x 41 mm**
1.5 m supply cable, 1 x switch, screwed (reusable screws), rewireable, child-proof		
· 6 UTE, child-proof		
381.250F	· White	20 items
3.0 m supply cable, screwed (multi-use), rewireable, child-proof, 1 x overvoltage protection, 1 x switch		
· 6 UTE, child-proof		
· Overvoltage protection consisting of: 2 varistors, nominal discharge current 6.5 kA, 16 A, 3,600 W, temperature fuse and visual fail indicator		
381.2512K	· White	20 items
381.2507K	· Black	20 items

Screw mounting for SMART 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
SMART desk attachment		
For all rewireable (reusable screws) power strips, plastic version		
919.273	· White	1 item

SMART – Product matrix

SMART	Country code	Socket outlets	Switch	Length Supply cable in meters	Overvoltage protection	Can be rewired	Child-proof	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

SMART – Product matrix

SMART	Country code	Socket outlets	Switch	Length Supply cable in meters	Overvoltage protection	Can be rewired	Child-proof	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

Max. 16 A / 3680 W

· Supply cable: H05VV-F 3G 1.50 mm²

Art. no.	Version	Unit
3 x earthing contact		
Angled plug set at 45°, without switch		
3 earthing contact socket outlets, non child-proof		
387.270S	· White, supply cable 1.5 m	20 items
387.271S	· White, supply cable 3.0 m	20 items
Angled plug, set at 45°, 1 x switch, red		
3 x earthing contact socket outlets, child-proof		
384.270S	· White, supply cable 1.5 m	20 items
6 x earthing contact		
Angled plug set at 45°, without switch		
6 x earthing contact socket outlets, child-proof		
381.241S	· White, supply cable 1.5 m	20 items
381.141S	· Black, supply cable 1.5 m	20 items
Angled plug set at 45°, 1 x switch, red		
6 x earthing contact socket outlets, child-proof		
381.244S	· White, supply cable 1.5 m	20 items
381.144S	· Black, supply cable 1.5 m	20 items

Export versions (since a cable cross-section of 1.00 mm² is not permitted in Germany).

Art. no.	Version	Unit
3 x earthing contact		
1 x red switch, 1.4 m supply cable H05VV-F 3G 1.00 mm², with right angle plug and set at 45°		
· 3 earthing contact socket outlets, non child-proof		
384.371S	· White	20 items
6 x earthing contact		
1.4 m supply cable H05VV-F 3G 1.00 mm², with right angle plug and set at 45°, without switch		
· 6 earthing contact socket outlets, child-proof		
381.340S	· White	20 items
6 x earthing contact		
1 x red switch, 1.4 m supply cable H05VV-F 3G 1.00 mm², with right angle plug and set at 45°		
· 6 earthing contact socket outlets, child-proof		
381.343S	· White	20 items

Max. 10 / 16 A / 250 V~

Art. no.	Version	Unit
Power strip		
1.5 m supply cable H05VV-F 3G 1.50 mm², screwed, rewireable with earthing contact right angle plug		
· 2 socket outlets with earthing contact		
380.270	· White	25 items
1.5 m supply cable H05VV-F 3G 1.50 mm², screwed, rewireable with earthing contact right angle plug		
· 4 socket outlets with earthing contact		
380.271	· White	25 items

Multiple plug adaptor

Art. no.	Version	Unit
Multiple plug adaptor, max. 2.5 A / 250 V~		
2 Euro plug sockets		
921.271	· White	30 items

Surface wiring standard ERGE socket outlets with earthing contact, max. 16 A / 250 V~

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 sockets, DIN 49 440		
382.205	· Greenland white	10 items

Overload protection

Art. no.	Version	Unit
Overload protection-power strip type 8110		
2-way		
924.164	· 230 V~, 50 Hz / 16 A	1 item
	· For connecting two devices with high energy 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, carry current	
	· Dimension: 75 x 45 x 270 mm	
	· Screw-on	
	· Weight 450 g	

Socket outlets

POWERCUBE / The desktop docking station

Protection

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.

The advantages at a glance	• Supply cable: 2.0 m H05VV-F 3G 1.00 mm², black, with right angle plug with earthing contact • Dimensions (L x W x H): 105 x 120 x 95 mm • 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. • X3 multi-stage metal-oxide varistor absorbs power pulses and thus offers protection against high-energy voltage peaks

Art. no.	Version			Unit
Powercube				
Powercube, 3 x earthing contact sockets, 10 A/230 V				
335.050	· Resettable 10 A fuse · Headphone and microphone jacks · Overvoltage protection display · Earthing display · X3 multi-stage metal oxide varistor · High-frequency capacitor for noise reduction · Safety cut-off technology · Child-proof			1 item
Powercube Protection, 3 x earthing contact sockets, 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

DUO POWER / Power distribution with overvoltage protection

The on/off switch on the tabletop unit switches the floor unit off

Overvoltage protection

2 x USB charging device

5 x 16 A earthing contact + 2 x 2.5 A Euro plug socket child-proof

1.2 m supply cable H05VV-F 3G 1.0 mm²

Resettable 10 A fuse

2 m supply cable H05VV-F3G 1.0 mm²

GREEN
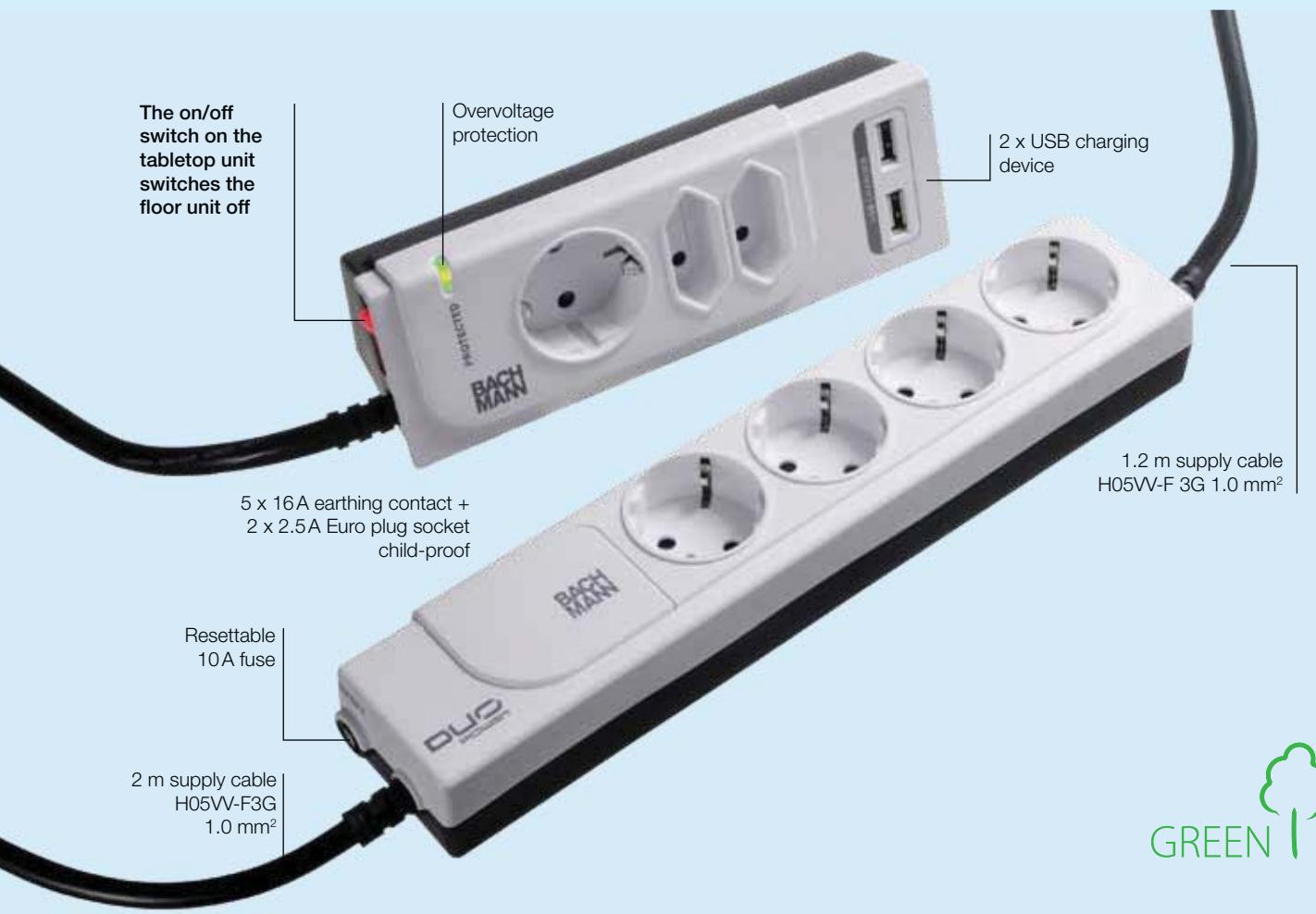
DUO POWER 16 A and 2.5 A / 250 V

The on/off switch on the tabletop unit switches the floor unit off. This allows devices plugged into the floor unit (e.g. monitor, printer, PC etc.) to be isolated and standby currents avoided, while the tabletop unit continues to supply power e.g. for charging a mobile phone.

The advantages at a glance	• 2.0 m supply cable H05VV-F 3G 1.0 mm² • 5 x 16 A earthing contact + 2 x 2.5 A Euro plug socket • Child-proof • Resettable 10 A fuse • 2 x USB charging device • Overvoltage protection

Tabletop unit

Floor unit
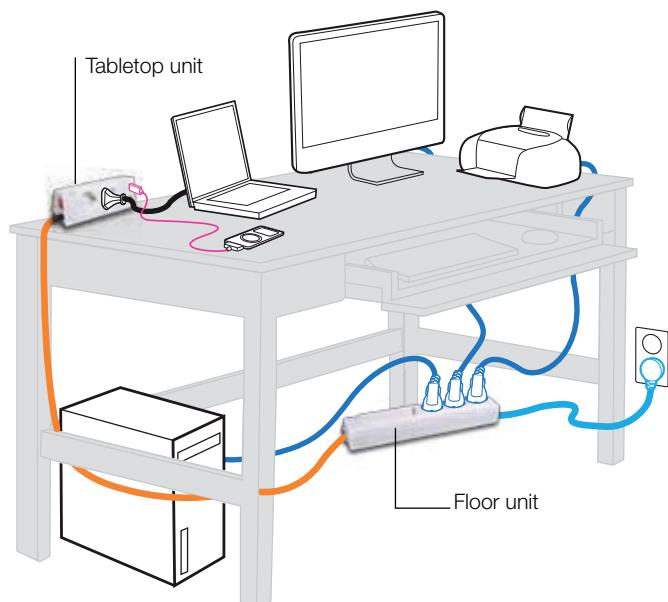
Art. no.	Version			Unit
Duo Power				
5 x 16 A earthing contact + 2 x 2.5 A Euro plug socket / 250 V				
335.055	· Duo Power with overvoltage protection			1 item

GARDEN POSTS
Practical options for the garden.

The advantages at a glance	• Earthing contact socket outlets, splashproof to IP44
	• Connecting block for connecting external supply cables for outdoor use; minimum cable cross-section 1.5 mm², maximum 3.0 mm²
	• Power columns for the garden in weatherproof polystone
	• Granite look fits in to garden setting
	• Allows easy use of garden equipment, lighting and irrigation systems
	• The timer model lets you programme electrical garden equipment to switch on and off at specified times. Thus for example the garden can be regularly watered even when nobody is at home.
	• The model with the lamp provides a cosy atmosphere for garden parties or illuminates the way to the door of the house.

Garden posts

Art. no.	Version
Garden post, 4 x earthing contact	**160 x 160 x 280 mm**
1 x splash water protection	
394.170	· 4 IP 44 German-type sockets for outdoor use

Art. no.	Version
Garden post with timer, 2 x earthing contact	**160 x 160 x 280 mm**
1 x splash water protection, 1 x timer	
394.171	· 2 IP 44 German-type sockets for outdoor use
	· Mechanical 24 h timer

Art. no.	Version
Garden post with lamp, 2 x earthing contact	**150 x 150 x 460 mm**
1 x splash water protection, 1 x lamp	
394.172	· 2 IP 44 German-type sockets for outdoor use
	· E 27 holder for energy-saving lamp, max. 11 W

Garden socket with earth spike, 16 A / 230 V~, IP44

Art. no.	Version	Unit
Garden socket outlet		
2.0 m cable: H07RN-F 3G 1.50 mm² with central plug with earthing contact		
394.180	· 2 x earthing contact socket outlets 230 V~	1 item
	· With hinged lid, splashproof to IP44	
	· Black	
2.0 m cable: H07RN-F 3G 1.50 mm² with central plug with earthing contact		
394.182	· 4 x earthing contact socket outlets 230 V~	1 item
	· With hinged lid, splashproof to IP44	
	· Black	

Art. no.	Version	Unit
Garden outlet, 3 x earthing contact sockets		
2.0 m cable: H07RN-F 3G 1.50 mm² with central plug with earthing contact		
394.175	· 3 x earthing contact socket outlets, 230 V~	1 item
	· With hinged lid, splashproof to IP44	
	· Green	

Socket outlets

Cooker connecting cable with end sleeves 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 1.50 mm²			**Ø approx. 9.5 mm**
Without packaging			
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 packed			
116.280	1.5 m	· White	50 items
H05VV-F 3G 2.50 mm²			**Ø approx.10.1 mm**
Without packaging			
118.270	1.5 m	· White	50 items
H05VV-F 5G 2.50 mm²			**Ø approx. 11.3 mm**
Without packaging			
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 packed			
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 fork-type lugs M5, 140 mm green/yellow earth conductor

Art. no.	Length	Colour	Unit
H05VV-F 5G 2.50 mm²			**Ø approx. 11.3 mm**
Without packaging			
119.274	2.0 m	· White	30 items

Cooker junction box 16 A / 380 V~

· 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 junction box		
16 A / 380 V~		
· For 55 mm wall boxes / height 23 mm		
190.270	· White	20 items

Equipment junction box 16 A / 380 V~

· 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 junction box		
190.271	· White	20 items

Kitchen connection box

· Universal accessory for connecting hob, oven and dishwasher
· No need to fit additional sockets
· The existing cooker socket can still be used
· Saves costs as no need to fit sockets later
· Rewirable WAGO® terminals
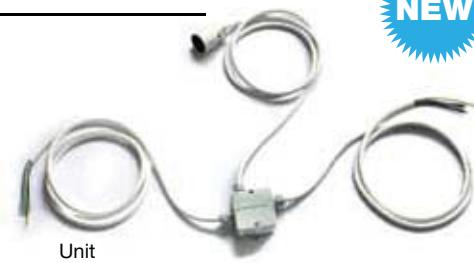
Art. no.	Version	Unit
Kitchen connection box		
Grey, with screw-mounting eyes, connected load up to 10 kW		
H05VV-F 5G 2.5 mm² for cooker connection socket		
H05VV-F 5G 2.5 mm² for hob		
H05VV-F 3G 2.5 mm² with socket outlets with earthing contact for oven or dishwasher/ mountable		
923.003	Kitchen connection box 2 m	1 item
	(Cooker connection socket 2 m; hob 2 m; oven or dishwasher 2 m)	
923.004	Kitchen connection box 5 m	1 item
	(Cooker connection socket 5 m; hob 5 m; oven or dishwasher 5 m)	
923.005	Kitchen connection box 10 m	1 item
	(Cooker connection socket 2 m; hob 10 m; oven or dishwasher 10 m)	

Euro supply cable PVC, 70°

· End 1: 2.5 A Euro plug, moulded
· End 2: 25 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H03VVH2-F 2 x 0.75 mm²			**Flat cable approx. 3.6 x 5.6 mm**
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 packed			
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°

· 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 mm²			**Flat cable approx. 3.6 x 5.6 mm**
Without packaging			
211.174	1.8 m	· Black	100 items
211.274	1.8 m	· White	100 items

Cables

Earthing contact supply cable, PVC, with intermediate switch, 70 °C

- Sealed
- Switch dimensions: 60 x 26 x 13 mm
- End 1:   right angle plug with dual earthing contact system, moulded
- 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 0.75 mm²			**Ø approx. 5.5 mm**
Without packaging			
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 mm²			**Ø approx. 6.4 mm**
Individually packed			
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
- End 2:   30 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H05VV-F 2 x 1.00 mm²			**Ø approx. 6.5 mm**
Without packaging			
241.175	3.0 m	· Black	50 items
241.275	3.0 m	· White	50 items

SUPPLY CABLES

Earthing contact supply cable, PVC, max. 16 A / 250 V~, 70 °C

· End 1: right angle 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			**Ø approx. 5.5 mm**
Without packaging			
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 3G 1.00 mm²			**Ø approx. 7.0 mm**
Without packaging			
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 packed			
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 3G 1.50 mm²			**Ø approx. 8.0 mm**
Without packaging			
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 packed			
305.184	2.0 m	· Black	50 items
305.284	2.0 m	· White	50 items
305.185	3.0 m	· Black	20 items
305.285	3.0 m	· White	20 items

Cables

Earthing contact supply cable, PVC, max. 16 A / 250 V~, 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 packaging			
311.273	1.5 m	· White	100 items
H03VV-F 3G 0.75 mm²			**Diameter approx. 5.5 mm**
Individually packed			Diameter approx. 6.0 mm
312.174	2.0 m	· Black	100 items
312.175	3.0 m	· Black	100 items
312.275	3.0 m	· White	100 items

Electric iron supply cable, textile, 150 °C

· End 1: central plug with dual earthing contact system, moulded
· End 2: 30 mm stripped with end sleeves

Art. no.	Length	Colour	Unit
H03RT-H 3G 0.75 mm² – TEXTILE			**Diameter approx. 6.5 mm**
Without packaging			
313.175	3.0 m	· Grey / white	50 items
Individually packed			
313.185	3.0 m	· Grey / white	50 items

Small equipment supply cable, PVC, max. 2.5 A / 250 V~

· End 1: Euro flat plug, moulded
· End 2: small equipment socket, moulded

Art. no.	Length	Colour	Unit
H03VVH2-F 2 x 0.75 mm²			**Flat cable approx. 3.6 x 5.6 mm**
Without packaging			
251.173	1.5 m	· Black	200 items
Individually packed			
251.183	1.5 m	· Black	50 items

Non-heating appliance supply cable, PVC, 10 A / 250 V~, 70 °C

· End 1: right angle plug 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 packaging				
351.174	2.0 m	· Black		100 items
351.974	2.0 m	· Grey		100 items
Individually packed				
351.184	2.0 m	· Black		50 items
351.984	2.0 m	· Grey		50 items

Art. no.	Length	Colour		Unit
H05VV-F 3G 1.00 mm²				**Diameter approx. 7.0 mm**
Without packaging				
353.175	3.0 m	· Black		50 items
353.975	3.0 m	· Grey		50 items
Individually packed				
353.185	3.0 m	· Black		50 items
353.985	3.0 m	· Grey		50 items

Non-heating appliance supply cable, PVC, 16 A / 250 V~, 70 °C

· End 1: right angle plug 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 mm²				**Diameter approx. 8.4 mm**
Without packaging				
352.174	2.0 m	· Black		50 items
352.175	3.0 m	· Black		50 items

Non-heating appliance extension cable, 10 A / 250 V~, 70 °C

· End 1: IEC 320 / C14 non-heating appliance plug with earthing contact, moulded
· 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 mm²				**Diameter approx. 5.8 mm**
Without packaging				
356.974	2.0 m	· Grey		100 items
H05VV-F 3G 1.00 mm²				**Diameter approx. 7.0 mm**
Without packaging				
356.975	3.0 m	· Grey		50 items

Cables

Non-heating appliance extension cable, PVC, 16 A / 250 V~, 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, 10 A / 250 V~ (for export only)

· End 1: right angle plug with dual earthing contact system, moulded
· End 2: heating appliance socket 10 A, IEC 320 / C15, fitted

Art. no.	Length	Colour	Unit
H05VV-F 3G 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, 10 A / 250 V~, 155 °C

· End 1: central plug with dual earthing contact system, moulded
· End 2: heating appliance outlet 10 A, mounted

Art. no.	Length	Colour	Unit
H05RR-F 3G 1.00 mm²			**Diameter approx. 6.5 mm**
Without packaging			
372.174	2.0 m	· Black	50 items
Individually packed			
372.184	2.0 m	· Black	20 items

Universal supply cable, PVC, 10 A / 250 V~ (for export only)

· End 1: right angle plug with dual earthing contact system, moulded
· End 2: heating appliance outlet 10 A, mounted

Art. no.	Length	Colour	Unit
H05VV-F 3G 1.00 mm²			**Diameter approx. 7.0 mm**
Without packaging			
373.174	2.0 m	· Black	50 items

Contour supply cable, neoprene, 16 A / 250 V~, 70 °C

· End 1: contour plug, moulded
· End 2: 30 mm stripped with end sleeves
· Ideal connecting cable for power tools

Art. no.	Length	Colour	Unit
H07RN-F 2 x 1.00 mm²			**Diameter approx. 7.7 mm**
Without packaging			
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 packed			
246.185	3.0 m	· Black	20 items
246.186	5.0 m	· Black	20 items

Art. no.	Length	Colour	Unit
H07RN-F 2 x 1.50 mm²			**Diameter approx. 8.7 mm**
Without packaging			
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 packed			
248.185	3.0 m	· Black	20 items
248.186	5.0 m	· Black	20 items

Contour supply cable, rubber / PUR, 16 A / 250 V~, 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 packaging			
244.875	3.0 m	· Orange	50 items
244.876	5.0 m	· Orange	30 items

Art. no.	Length	Colour	Unit
H07BQ-F 2 x 1.50 mm²			**Diameter approx. 8.3 mm**
Without packaging			
249.875	3.0 m	· Orange	50 items
249.876	5.0 m	· Orange	30 items

Cables

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 3G 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 3G 1.00 mm²				**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 3G 1.50 mm²				**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 3G 2.50 mm²				**Diameter approx. 11.3 mm**
Individually packed				
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 3G 1.00 mm²				**Diameter approx. 7.9 mm**
Without packaging				
328.875	3.0 m	· Orange		50 items
328.876	5.0 m	· Orange		30 items
H07BQ-F 3G 1.50 mm²				**Diameter approx. 8.6 mm**
Without packaging				
327.875	3.0 m	· Orange		30 items
327.876	5.0 m	· Orange		20 items

Note	• For contour and earthing-contact connector supply cable
	• Contour supply cable: 244.875 / 244.876 / 249.875 / 249.876
	• Earthing-contact connector supply cable: 328.875 / 328.876 / 327.875 / 327.876
	• Contour supply cable: 244.875 / 244.876 / 249.875 / 249.876
Cable construction	• Copper conductor, finely 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.
	• 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 provide custom configurations following your specification or following free consultation with our experts. As a manufacturer of many years' standing, we possess a wealth of know-how. See also page 300 ff (international connectors and couplings).

Transparent power cable

· 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 insulated cable 3 x 0.75 mm²			
130.080	1.5 m	· Transparent	1 item
130.081	3.0 m	· Transparent	1 item
Double insulated cable 3 x 1.50 mm²			
131.080	1.5 m	· Transparent	1 item
131.081	3.0 m	· Transparent	1 item
Double insulated cable 3 x 0.75 mm²			**Diameter 5.2 mm ± 0.2 mm**
150.072	50.0 m ring	· Transparent	1 item
Double insulated cable 3 x 1.50 mm²			
150.070	50.0 m ring	· Transparent	1 item
Double insulated cable 5 x 0.75 mm²			
132.080	1.5 m	· Transparent	1 item
132.081	3.0 m	· Transparent	1 item
Double insulated cable 5 x 1.50 mm²			
133.080	1.5 m	· Transparent	1 item
133.081	3.0 m	· Transparent	1 item
Double insulated cable 5 x 1.50 mm²			
151.070	50.0 m ring	· Transparent	1 item
Double insulated cable 5 x 0.75 mm²			
151.072	50.0 m ring	· Transparent	1 item
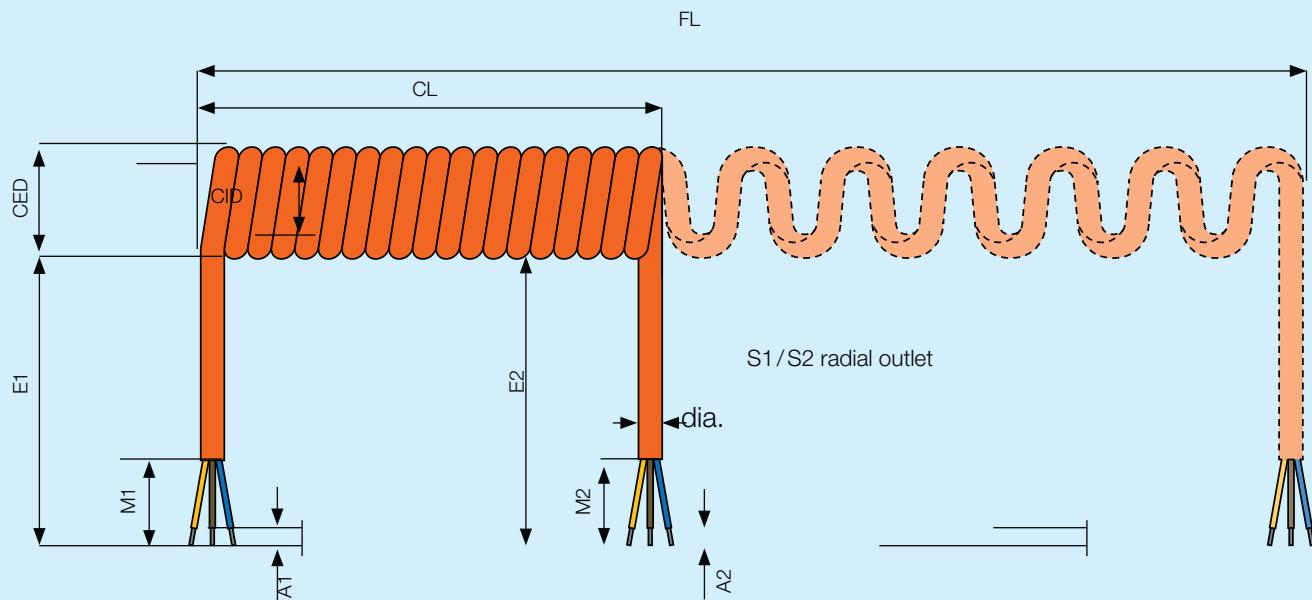
Cables

Coil length (WL)   = closed length
Working length (AL) = max. stretched length
dia.   = cable diameter
WID   = coil internal diameter
WAD   = coil external diameter
S1   = end 1
S2   = end 2
M1   = stripped
A1   = end sleeve

SPIRAL CABLES

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.

	Leads PVC / sheath PVC
Properties	• Good value, low mechanical stiffness, medium chemical resistance, medium reset force.
Examples of use	• For household equipment, lamps and IT systems.

	Leads PVC / sheath PUR
Properties	• Good chemical resistance, good resistance to cold, excellent abrasion and notching resistance, very good oil resistance, good reset force.
Examples of use	• For connecting cables in engineering and the building industry (construction equipment).

	Leads rubber PUR / sheath PUR
Properties	• 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 requiring VDE-compatible connection: for example mechanical engineering, construction equipment, electric tools, communication technology - in particular for use out of doors and/or in damp rooms.

Spiral cables PVC

Leads: PVC, sheath: PVC, elongation factor 1:4, 70°C

· End 1 / end 2: 200 mm each, cut flush
· 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	Operating length	Version	Unit
Spiral cable				
H05VV-F 3G 1.50 mm², diameter approx. 8.4 mm, WID: approx. 10 mm, WAD: approx. 27 mm				
654.180	500 mm	2,000 mm	· Black	50 items
654.280	500 mm	2,000 mm	· White	50 items
654.181	1,000 mm	4,000 mm	· Black	30 items
654.281	1,000 mm	4,000 mm	· White	30 items
654.182	1,500 mm	6,000 mm	· Black	15 items
654.282	1,500 mm	6,000 mm	· White	15 items

Spiral cable, PUR

Leads: PVC, sheath: PUR, elongation factor 1:5, 70°C

· End 1 / end 2: 200 mm each, cut flush
  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	Operating length	Version	Unit
Spiral cable, PUR				
YMH11Y-J 3G 1.50 mm², diameter approx. 8.0 mm, WID: approx. 13 mm, WAD: approx. 29 mm				
692.180	500 mm	2,500 mm	· Black	30 items
692.280	500 mm	2,500 mm	· White	30 items
692.181	1,000 mm	5,000 mm	· Black	20 items
692.281	1,000 mm	5,000 mm	· White	20 items
692.182	1,500 mm	7,500 mm	· Black	15 items
692.282	1,500 mm	7,500 mm	· White	15 items

Cables

Spiral cable, PUR

Leads: PVC, sheath: PUR, elongation factor 1:5, 70°C

Art. no.	Coil length	Operating length	Version	Unit
Spiral cable, PUR				
YMH11Y-J 5 x 1.50 mm², diameter approx. 10.0 mm, WID: approx. 18 mm, WAD: approx. 39 mm				
693.180	500 mm	2,500 mm	· Black	20 items
693.280	500 mm	2,500 mm	· White	20 items
693.181	1,000 mm	5,000 mm	· Black	10 items
693.281	1,000 mm	5,000 mm	· White	10 items
693.182	1,500 mm	7,500 mm	· Black	5 items
693.282	1,500 mm	7,500 mm	· White	5 items

Spiral cable, PUR

Leads: rubber, sheath: PUR, elongation factor 1:5, 70°C

· End 1 / end 2: 200 mm each, cut flush
· Properties: good chemical resistance, good resistance to cold, microbe resistant, excellent abrasion
  and notching resistance, microbe-proof, high resistance to chafing and grinding, good reset force
· 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

Art. no.	Coil length	Operating length	Version	Unit
Spiral cable, PUR				
H07BQ-F 3G 1.50 mm², diameter approx. 9.5 mm, WID: approx. 13 mm, WAD: approx. 32 mm				
684.880	500 mm	2,500 mm	· Orange	20 items
684.881	1,000 mm	5,000 mm	· Orange	15 items
684.882	1,500 mm	7,500 mm	· Orange	10 items
H07BQ-F 5G 1.50 mm², diameter approx. 11.3 mm, WID: approx. 18 mm, WAD: approx. 41 mm				
685.880	500 mm	2,500 mm	· Orange	20 items
685.881	1,000 mm	5,000 mm	· Orange	10 items
685.882	1,500 mm	7,500 mm	· Orange	5 items
H07BQ-F 7G 1.50 mm², diameter approx. 13.9 mm, WID: approx. 18 mm, WAD: approx. 46 mm				
681.880	500 mm	2,500 mm	· Orange	20 items
681.881	1,000 mm	5,000 mm	· Orange	10 items
681.882	1,500 mm	7,500 mm	· Orange	5 items
H07BQ-F 3G 2.50 mm², diameter approx. 10.8 mm, WID: approx. 18 mm, WAD: approx. 40 mm				
682.880	500 mm	2,500 mm	· Orange	20 items
682.881	1,000 mm	5,000 mm	· Orange	10 items
682.882	1,500 mm	7,500 mm	· Orange	5 items
H07BQ-F 5G 2.50 mm², diameter approx. 13.7 mm, WID: approx. 18 mm, WAD: approx. 46 mm				
683.880	500 mm	2,500 mm	· Orange	20 items
683.881	1,000 mm	5,000 mm	· Orange	10 items
683.882	1,500 mm	7,500 mm	· Orange	5 items

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	Operating length	Version	Unit
Contour supply cable, PUR				
H05BQ-F 2 x 1.00 mm², diameter approx. 7 mm, WID: approx. 9 mm, WAD: approx. 23 mm				
624.871	1,000 mm	5,000 mm	· Orange	50 items

Earthing contact spiral
supply cable, PVC   Leads: PVC, sheath: PVC, elongation factor 1:4, 70 °C

· End 1: right angle plug, type 30F with dual earthing contact system, moulded
· End 2: length 100 mm incl. 30 mm stripped, with end sleeves

Art. no.	Coil length	Operating length	Version	Unit
Earthing contact spiral supply cable PVC				
H05VV-F 3G 1.50 mm², diameter approx. 8.4 mm, WID: approx. 10 mm, WAD: approx. 27 mm				
663.170	500 mm	2,000 mm	· Black	50 items
663.270	500 mm	2,000 mm	· White	50 items
663.171	1,000 mm	4,000 mm	· Black	30 items
663.271	1,000 mm	4,000 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
· End 2: length 200 mm incl. 30 mm stripped, with end sleeves

Art. no.	Coil length	Operating length	Version	Unit
Earthing contact spiral supply cable, PUR				
H07BQ-F 3G 1.50 mm², diameter approx. 9.5 mm, WID: approx. 13 mm, WAD: approx. 32 mm				
665.870	500 mm	2,500 mm	· Orange	10 items
665.871	1,000 mm	5,000 mm	· Orange	10 items

Spiral lighting cables

Ends: 140 mm each, incl. 80 mm stripped, with end sleeves

Art. no.	Coil length	Operating length	Version	Unit
Spiral lighting cable (prepared)				
H05VV-F 3G 1.50 mm², diameter approx. 8.4 mm, WID: approx. 10 mm, WAD: approx. 27 mm				
· Insulation: PVC, sheath: PVC, elongation factor 1:4, 70 °C				
654.283	400 mm	1,600 mm	· White	50 items
654.284	800 mm	3,200 mm	· White	25 items
YMH11Y-J 5 x 1.50 mm², diameter approx. 10 mm, WID: approx. 13 mm, WAD: approx. 34 mm				
· Insulation: PVC, sheath: PUR, elongation factor 1:5, 70 °C				
693.283	400 mm	2,000 mm	· White	20 items

Cables

Earthing contact extension cable, 16 A / 250 V~ , PVC, 70 °C

· End 1: right angle plug with dual earthing contact system, moulded
· End 2: earthing contact coupling, moulded, with extra child-proofing in coupling

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

· 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 extension cable with earthing contact plug, PVC				
H05VV-F 3G 1.50 mm², diameter approx. 8.4 mm, WID: approx. 10 mm, WAD: approx. 27 mm				
672.180	500 mm	2,000 mm	· Black	20 items
672.280	500 mm	2,000 mm	· White	20 items
672.181	1,000 mm	4,000 mm	· Black	20 items
672.281	1,000 mm	4,000 mm	· White	20 items

Earthing contact extension cable, 16 A / 250 V~ , IP20, PVC, 70 °C

· End 1: central plug with dual earthing contact system, moulded
· End 2: earthing contact coupling, moulded, with cover

Art. no.	Version	Unit
Earthing contact extension, cable: H05VV-F3 G 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, 16 A / 250 V~ , PVC, 70 °C

· End 1: right angle plug with dual earthing contact system, moulded
· End 2: earthing contact coupling, moulded

Art. no.	Version	Unit
Earthing contact 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 m		
341.189	· Black	15 items
341.289	· White	15 items
Length: 15 m		
341.281	· White	10 items

Cables

Lawnmower extension cable, 16 A / 250 V ~ , 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 mm²		
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

Kabelsafe box, IP44

· Offers the best protection for power cable plug-in connections
· Child-proof and waterproof
· Ideal for outdoor use
· Protects the plug connections of your Christmas and party illuminations
· Practical applications in camping and for use with electric lawnmowers
· For permanent use in the garden and on construction sites

Art. no.	Version	Unit
Kabelsafe box, IP44		
919.371	· Max. cable diameter 9 mm	1 item
	· Internal dimensions 180 mm long, Ø 60 mm	
	· Orange	

Kabelsafe box, IP64

· Offers outstanding protection for power strips, extension cables and adaptors
· 6 cable entries with individual strain relief
· Lockable and can be mounted at rear; very robust construction
· For permanent use in the garden and on construction sites
· Ideal for Christmas lights, garden devices and camping uses

Art. no.	Version	Unit
Kabelsafe box, IP64		
904.100	· Designed for cable diameters from H05VV - F 3G 1.5 mm to H007RN-F 3G 1.5 mm² to H07RN-F 3G 1.5 mm²	1 item
	· Light grey	
	· UV-resistant	
	· Suitable for e.g. entire Smart Line 3 x range	
	· Usable surface: 85 mm deep, 275 mm wide	

85 mm

275 mm

EXTENSION CABLES

Earthing contact extension cable, 16 A / 250 V~ , rubber, 70 °C

· End 1: central plug with earthing contact
· End 2: earthing contact coupling with cover

Art. no.	Version	Unit
Earthing contact extension, cable: H05RR-F 3G 1.50 mm²		
Length: 10 m		
343.179	· Black	1 item
Length: 25 m		
343.177	· Black	1 item

Earthing contact extension cable, 16 A / 250 V~ , IP44, rubber / neoprene, 70 °C

· End 1: central plug with earthing contact
· End 2: earthing contact coupling with cover
· Heavy duty version for outdoor use and on construction sites

Art. no.	Version	Unit
Earthing contact extension, cable: H07RN-F 3G 1.50 mm²		
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-F 3G 2.50 mm²		
Length: 10 m		
343.191	· Black	1 item
Length: 25 m		
343.192	· Black	1 item

Earthing contact extension cable, 16 A / 250 V~ , IP44, rubber / neoprene, 70 °C

· 3-way rubber overhead coupling and hinged lid (IP44)
· End 1: central plug with earthing contact
· End 2: 3-way rubber overhead coupling with hinged lid and standardised snap latch

Art. no.	Version	Unit
Earthing contact extension, cable: H07RN-F 3G 1.50 mm²		
Length: 5 m		
343.174	· Black	1 item
Length: 10 m		
343.175	· Black	1 item
Length: 25 m		
343.176	· Black	1 item

Cables

CEE extension cable, 32 A / 400 V ~ , rubber / neoprene, IP44, 70 °C

· End 1: CEE plug 32 A / 6 h / 400 V
· End 2: CEE coupling 32 A / 6 h / 400 V
· Suitable for use out of doors and on construction sites

Art. no.	Version	Unit
CEE extension cable, H07RN-F5G 2.5 mm²		
Length: 5 m		
345.170	· Black	1 item
Length: 10 m		
345.171	· Black	1 item
Length: 25 m		
345.172	· Black	1 item
CEE extension cable, H07RN-F5G 4.00 mm²		
Length: 5 m		
346.170	· Black	1 item
Length: 10 m		
346.171	· Black	1 item
Length: 25 m		
346.172	· Black	1 item
CEE extension cable, H07RN-F5G 6.00 mm²		
Length: 10 m		
348.171	· Black	1 item
Length: 25 m		
348.172	· Black	1 item

Cable-carrying aid

· Handle facilitates transport of long cables or tubes
· Adjustable and pliable

Art. no.	Version	Unit
Cable-carrying aid		
394.179	· Orange	1 item

CEE extension cable, 16 A / 400 V ~ , rubber / neoprene, IP44, 70 °C

· End 1: CEE plug 16 A / 6 h / 400 V
· End 2: CEE coupling 16 A / 6 h / 400 V
· Suitable for use out of doors and on construction sites

Art. no.	Version	Unit
CEE extension cable, H07RN-F5G 1.5 mm²		
Length: 5 m		
344.170	· Black	1 item
Length: 10 m		
344.171	· Black	1 item
Length: 25 m		
344.172	· Black	1 item
CEE extension cable, H07RN-F5G 1.5 mm², with phase inverter		
Length: 10 m		
344.174	· Black	1 item
Length: 25 m		
344.175	· Black	1 item
CEE extension cable, H07RN-F5G 2.5 mm²		
Length: 5 m		
347.170	· Black	1 item
Length: 10 m		
347.171	· Black	1 item
Length: 25 m		
347.172	· Black	1 item

Cables

Two plug retainers to hold earthing contact plug when not in use

Includes thread and crank handle for easier winding of cable

Maximum protection against electrical hazards, fully insulated

MEISTERTROMMEL CABLE REELS

For professionals, the BACHMANN Meistertrommel is the ideal cable reel. 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.

The advantages 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

Meistertrommel cable reels

Art. no.	Version
Meistertrommel 4 x earthing contact	
Empty reel	
399.000	· 4 socket outlets with earthing contact
25 m H07RN-F3G 1.5 mm², black	
399.003	· 4 German-type socket outlets, with earthing contact central plug

Art. no.	Version
Meistertrommel 4 x earthing contact	
40 m H07RN-F3G 1.5 mm², black	
399.004	· 4 German-type socket outlets, with earthing contact central plug
50 m H07RN-F3G 1.5 mm², black	
399.005	· 4 German-type socket outlets, with earthing contact central plug
40 m H07RN-F3G 2.5 mm², black	
399.006	· 4 German-type socket outlets, with earthing contact central plug

Art. no.	Version
Meistertrommel 3 x earthing contact, 1 x CEE	
Empty reel	
399.007	· 3 socket outlets with earthing contact · 1 CEE socket outlet 16 A
25 m H07RN-F5G 2.5 mm², black	
399.009	· 3 socket outlets with earthing contact · 1 CEE socket outlet 16 A with CEE plug 16 A

Art. no.	Version
Meistertrommel Site Manager Austria	
40 m XYMM-J3G 1.5 mm², yellow	
399.012	· 4 German-type socket outlets, with earthing contact central plug

Art. no.	Version
Meistertrommel other	
399.010*	· Empty reel with closed plate for user's own fitting

Construction site

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	· Disc diameter 290 mm · Reel: black	1 item

Cable reel, 4-way, 16 A / 250 V ~ , IP20

· 4 socket outlets with earthing contact 250 V ~ without lid
· Integrated 1-pin thermal safety switch

Art. no.	Version	Unit
Plastic cable reel, cable: H05VV-F 3G 1.50 mm²		
25 m		
392.180	· Central plug with dual earthing contact system · Cable: black, reel: black	1 item
50 m		
392.181	· Central plug with dual earthing contact system · Cable: black, reel: black	1 item
Plastic cable reel, cable: H05RR-F 3G 1.50 mm²		
25 m		
395.180	· Earthing contact central plug · Cable: black, reel: black	1 item
50 m		
395.181	· Earthing contact central plug · Cable: black, reel: black	1 item
Plastic empty reel, large, holds up to 50 m H05RR-F 3G 1.50 mm² cable		
396.181	· Disc diameter 280 mm · Reel: black	1 item
Sheet steel cable reel, cable: H05VV-F 3G 1.50 mm²		
25 m		
398.183	· Central plug with dual earthing contact system · Cable: black, reel: silver	1 item

CABLE REEL

Art. no.	Version ⊙ 🇩🇪		Unit
Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm²			
25 m			
398.181	· Earthing contact central plug · Cable: black, reel: silver		1 item
50 m			
398.182	· Earthing contact central plug · Cable: black, reel: silver		1 item
Sheet steel empty reel, large			
396.182	· Disc diameter 290 mm · Reel: silver		1 item

Cable reel, 3-way, 16 A / 250 V ~   ⊙ 🇩🇪

· 3 socket outlets with earthing contact 250 V ~ with hinged lid

· Integrated 1-pin thermal safety switch

· Splash-proof – for outdoor use

Art. no.	Version		Unit
Plastic cable reel, cable: H07RN-F 3G 1.50 mm²			
25 m, IP44			
392.182	· Earthing contact central plug · Cable: black, reel: black		1 item
40 m, IP44			
392.183	· Earthing contact central plug · Cable: black, reel: black		1 item
Plastic empty reel, cable up to max. 40 m			
396.183	· Disc diameter 280 mm · Reel: black		1 item
Sheet steel cable reel, cable: H05RR-F 3G 1.50 mm²			
50 m, IP20			
398.186	· Earthing contact central plug · Cable: black, reel: silver		1 item
Sheet steel cable reel, cable: H07RN-F 3G 1.50 mm²			
40 m, IP44			
398.180	· Earthing contact central plug · Cable: black, reel: silver		1 item
Sheet steel empty reel, holds up to 40 m cable			
396.187	· Disc diameter 280 mm · Reel: silver		1 item

PROFESSIONAL CABLE REEL

The advantages at a glance	• Splash water protection IP44 • Integrated thermal cut-out • For outdoor use

Professional cable reel, 3-way, 16 A / 250 V ~

· 3 earthing contact socket outlets with hinged lid
· Integrated 1-pin 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					
25 m					
399.181	· Earthing contact central plug · Cable: black, reel: black				1 item
40 m					
399.182	· Earthing contact central plug · Cable: black, reel: black				1 item
Empty reel, holds up to 40 m H05RN-F 3G 1.50 mm² cable					
396.184	· Disc diameter 280 mm · Reel body in unbreakable plastic, black				1 item

Professional cable reel, 3-way, 16 A / 400 V ~

· 1 CEE socket outlet 16 A / 400 V
· 2 socket outlets with earthing contact 250 V ~ with hinged lid
· Integrated 3-pin thermal safety switch
· Dual tubular frame

Art. no.	Version		Unit
Professional cable reel, cable: H07RN-F 5G 1.50 mm²			
25 m			
399.180	· CEE plug 16 A / 400 V ~ · Reel body made from break-proof plastic · Cable: black, reel: black		1 item
Professional cable reel, cable: H07RN-F 5G 2.50 mm²			
40 m			
399.186	· CEE plug 16 A / 400 V ~ · Reel body made from unbreakable hard rubber · Cable: black		1 item

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 mm²					
25 m					
398.200	· Earthing contact plug 16 A / 30 mA · Cable: orange, reel: black				1 item

Professional cable reel, 4-way, 16 A / 250 V ~

· 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					
50 m					
399.189	· Earthing contact central plug · Cable: black				1 item

Replacement parts for cable reels

Art. no.	Version				Unit
Thermal cut-out					
1-pole (suitable for all cable reels, page 268 - 271)					
900.180	· Red				1 item
3-pole					
900.181	· Red				1 item
Socket insert					
4-way, with thermal cut-out					
900.187	· Black				1 item
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 ~					
2-way with hinged lid, without thermal cut-out					
910.106	· Cover: red, plate: black				1 item

Construction site

Cable box, 4-way, 16 A / 250 V ~

· 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 mm²		
10 m		
393.002	· Max. load capacity: 3500 W fully unwound, 1200 W fully wound · Child-proof · Cable: black, box: black	6 items
Cable box, cable: H05VV-F 3G 1.50 mm²		
20 m		
393.006	· Highly break-proof design · Max. load capacity: 3500 W fully unwound, 1,000 W fully wound · Cable: black, box: black / blue	1 item

Cable reel, 4-way, 16 A / 250 V ~ / IP44

NEW

Art. no.	Version	Unit
Cable reel with automatic spring rewind		
15 m		
392.187	· Cable H07RN-F 3G 1.5 with earthing contact plug · 4-socket outlets with hinged lid · 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

Power Bag, max. 16 A / 3600 W, IP44

· 4 sockets with earthing contact, splashproof to IP44
· 2.0 m H07RN-F 3G 1.50 mm²
· With carry handle and practical cable winding device
· Compact construction
· Ideal for outdoor use

Art. no.	Version	Unit
Power Bag with 4 earthing contact socket outlets and PRCD		
IP44		
393.011	· Light grey / green · PRCD with test function · Tripping current < 30 mA, tripping time < 30 ms	1 item

Solid rubber distributor, IP44

Art. no.	Version		Unit
Solid rubber distributor			
2.0 m supply cable H07RN-F5G 6.00 mm²			
349.020	· Input:	- 1 x CEE plug 32 A / 400 V ~	1 item
	· Outlet:	- 1 x CEE socket outlet 32 A / 400 V ~	
		- 2 x CEE socket outlet 16 A / 400 V ~	
		- 3 x earthing contact sockets 16 A / 250 V ~	
	· Protection:	- 1 x MCB 16 A / 3-pole	
		- 3 x MCB 16 A / 1-pole	
		- 1 x RCD, 40 A / 0.03 A / 4-pole on all outputs	
2.0 m supply cable H07RN-F3G 2.50 mm²			
349.185	· Input:	- 1 x solid rubber earthing contact plug 16 A / 250 V ~	1 item
	· Outlet:	- 6 x earthing contact sockets 16 A / 250 V ~	
2.0 m supply cable H07RN-F5G 2.50 mm²			
349.184	· Input:	- 1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	- 1 x CEE socket outlet 16 A / 400 V ~	
		- 3 x earthing contact sockets 16 A / 250 V ~	

IP44 power strip

Art. no.	Version	Unit
3-way earthing contact power strip with covers		
IP44; 230 V, 16 A		
381.109	· Design: DIN 49 440 part 1	1 item
	· 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		
349.017	· Input: 1.5 m cable H07RN-F 3G 1.5 with earthing contact plug, black	1 item
	· Outlet: 1x CEE earthing contact socket 230 V / 16 A, 3-pole	
	· Suitable for MCB 16 A characteristic B, C	
	· IP44	
400 V 3-phase		
349.018	· Input: 1.5 m cable H07RN-FG 1.5 m; with CEE plug 400 V / 16 A 5-pole	1 item
	· Outlet: 1 x CEE socket 400 V / 16 A, 5-pole	
	· Suitable for MCB 16 A characteristic C, D	
	· IP44	
Current meter MID 230 V		
349.019	· Input: 1 x 1.5 m H07RN-F 3G 2.5 with earthing contact plug	1 item
	· Outlet: 1 x 1.5 m H07RN-F 3G 2.5 with earthing contact coupling	
	· Integrated current meter and operating hours counter;	
	· MID counter, calibrated and sealed, cannot be reset	
	· Housing in special unbreakable plastic	

Construction site

CEE distributor, 250 V ~ / 400 V ~ , IP44

· Highly unbreakable plastic construction, splash water protected
· Ideal for mobile use out of doors
· With practical cable rewind and integral carrying handle

Art. no.	Version	Unit
CEE distributor		
2.0 m supply cable H07RN-F5G 2.50 mm²		
349.008	· Input: - 1 x CEE plug 16 A / 400 V ~ · Outlet: - 2 x CEE socket outlet 16 A / 400 V ~ - 4 x earthing contact sockets 16 A / 250 V ~	1 item
CEE distributor with protection		
4.0 m supply cable H07RN-F5G 2.50 mm²		

349.009	· Input: - 1 x CEE plug 32 A / 400 V ~
	 · Outlet: - 1 x CEE socket outlet 32 A / 400 V ~
	                 - 1 x CEE socket outlet 16 A / 400 V ~
	                 - 4 x earthing contact sockets 16 A / 250 V ~
	 · Protection: - 1 x C16 A circuit breaker, 3-pole
	                 - 2 x C16 A circuit breaker, 1-pole
		1 item

349.010	· Input: - 1 x CEE plug 32 A / 400 V ~
	 · Outlet: - 1 x CEE socket outlet 32 A / 400 V ~
	                 - 1 x CEE socket outlet 16 A / 400 V ~
	                 - 4 x earthing contact sockets 16 A / 250 V ~
	 · Protection: - 1 x RCD, 40 A / 0.03 A / 4-pole on all outputs
	                 - 1 x C16 A circuit breaker, 3-pole
	                 - 2 x C16 A circuit breaker, 1-pole
	 · IP44
		1 item

CEE distributor with protection		
Supply cable: 2 m H07RN-F 5G 4 2.50 mm²		

349.011	· Input: - CEE plug 400 V / 32 A / 5-pole
	 · Outlet: - 2 x CEE socket outlets 400 V / 32 A / 5-pole
	                 - 2 x CEE socket outlets 400 V / 16 A / 5-pole
	                 - 4 x earthing contact sockets 230 V / 16 A
	 · Protection: - 1 x RC circuit breaker 40 A, 30 mA, 4-pole
	                 - 2 x miniature circuit breaker C16 A, 1-pole
	                 - 1 x miniature circuit breaker C16 A, 3-pole
	 · Housing made of special shatter-proof plastic and carrying handle
	 · IP44
		1 item

NEW

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 special plastic version, protected from splash water
· For outdoor use, hanger included

Art. no.	Version		Unit
CEE adaptor			
349.012	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	1 x CEE socket outlet 32 A / 400 V ~	
349.006	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	1 x CEE socket outlet 16 A / 400 V ~	
		1 x CEE socket outlet 32 A / 400 V ~	
		2 x earthing contact socket outlets 250 V ~	
349.028	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	3 x earthing contact sockets 16 A / 250 V ~	
349.033	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	3 x CEE socket outlets 16 A / 400 V ~	
349.029	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	1 x CEE socket outlet 16 A / 400 V ~	
		3 x earthing contact sockets 16 A / 250 V ~	
Protection: 3 x 10 A fuse			
349.183	· Input:	1 x CEE plug 32 A / 400 V ~	1 item
	· Outlet:	1 x CEE socket outlet 16 A / 400 V ~	
Protection: 3 x 10 A fuse			
349.007	· Input:	1 x CEE plug 32 A / 400 V ~	1 item
	· Outlet:	1 x CEE socket outlet 16 A / 400 V ~	
		1 x CEE socket outlet 32 A / 400 V ~	
		1 x earthing contact socket outlet 250 V~	
CEE adaptor with 1.5 m supply cable: H07RN-F5G 1.5 mm²			
Screwed / rewireable			
349.027	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	3 x earthing contact socket outlets 250 V ~	
Screwed / rewireable			
349.035	· Input:	1 x CEE plug 16 A / 400 V ~	1 item
	· Outlet:	3 x CEE socket outlets 16 A / 400 V ~	

Replacement parts
· Fuse protection socket for CEE adapter 900.1086
· Fuse holder for CEE adapter 900.1061
· Miniature fuse

Energy cube

· Wired ready for use
· Cable entry with screw fitting
· Offers high flexibility and greater freedom of movement
  e.g. in workshops and assembly areas

Practical
hanger

Compressed air optional

Practical multi-purpose
hook

Energy cube in special
unbreakable plastic

Art. no.	Version
Energy cube 4 x earthing contact	
For cable diameters 3 x 1.5 mm² – 5 x 1.5 mm²	
349.300	· 4 socket outlets with earthing contact 16 A / 230 V
349.301	· 4 socket outlets with earthing contact 16 A / 230 V
	· 1 compressed-air supply with input ½" and 2 x output ½"

Art. no.	Version
Energy cube 1 x CEE, 4 x earthing contact	
For cable diameters 5 x 1.5 mm² – 5 x 2.5 mm²	
349.302	· 1 CEE socket outlets 16 A / 400 V, 5-pole
	· 4 socket outlets with earthing contact 16 A / 230 V
349.303	· 1 CEE socket outlets 16 A / 400 V, 5-pole
	· 4 socket outlets with earthing contact 16 A / 230 V
	· 1 compressed-air supply with input ½" and 2 x output ½"

Art. no.	Version
Energy cube, 2 x CEE, 2 x earthing contact	
For cable diameters 5 x 1.5 mm² – 5 x 4 mm²	
349.304	· 2 CEE socket outlets 16 A / 400 V, 5-pole
	· 2 socket outlets with earthing contact 16 A / 230 V
349.305	· 2 CEE socket outlets 16 A / 400 V, 5-pole
	· 2 socket outlets with earthing contact 16 A / 230 V
	· 1 compressed-air supply with input ½" and 2 x outlet ½"

Energy cube

Art. no.	Version	Unit
Energy cube with data connection		
IP44		
349.310	· 4 x earthing contact sockets 16 A / 230 V · 1 x CEE socket outlet 16 A · 1 x compressed air point with ½" input · 2 x ½" compressed air output · 1 x data outlet IP67 with 2 x RJ45 Cat. 6 module · Cable entry with screw fitting from 5G 1.5 to 5G 2.5 · Made of special shatter-proof plastic · Wired ready for use	1 item
349.311	2 x earthing contact sockets 16 A / 230 V 2 x CEE socket outlets 16 A 1 x compressed air point with ½" input 2 x ½" compressed air output 1 x data outlet IP67 with 2 x RJ45 Cat. 6 module Cable entry with screw fitting from 5G 2.5 to 5G 4 Made of special unbreakable plastic Wired ready for use	1 item
CEE adapter with MCB		
IP44		
349.013	Adapter CEE 400 V Input: 1 CEE plug 32 A; output: 1 CEE socket outlet 16 A Rubberised housing Protection: 1 x miniature circuit breaker C16A, 3-pole	1 item

CEE wall combination socket, 400 V ~ / 6 h / 5-pin, 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 earthing contact socket outlet 250 V ~		
· Polycarbonate version with cable kink protection, splash-proof		
910.002	· 16 A · Red	1 item

Suspension hooks

Versions with 90
or 160 LEDs,
giving very bright light

Magnet holder included

Professional version (aluminium/
rubber) with torch function

LED BATTERY HAND LAMPS

The advantages 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
- 230 V AC and 12 V DC charger included
- LEDs are shock resistant
- Minimal heat generation

LED battery hand lamp

· Magnet holder
· Plastic
· Includes 230 V~ mains adaptor
· Individually packed in blister packaging
· dia. 6 cm

Art. no.	Version	Unit
LED battery hand lamp		
With automotive charging device		
394.188	· 60 LEDs 3.6 W with 1 magnet holder, length 42 cm	20 items
394.189	· 90 LEDs 5.4 W with 1 magnet holder, length 47.5 cm	20 items
394.190	· 160 LEDs 9.6 W with 2 magnet holders, length 53.5 cm	20 items

Art. no.	Version	Unit
PROFESSIONAL LED battery hand lamps		
394.191	· 60 + 17 LEDs for torch function, with 2 magnet holders · Including 12 V charging cable for cigarette lighter in car	20 items

LED battery head torch

· High light output and long life
· Small dimensions
· Lamp can be swivelled through 90°
· Adjustable rubber band allows flexible use on head or arm
· Can be used for work, sport and leisure

Art. no.	Version	Unit
LED battery head torch		
19 LEDs		
394.200	· Includes 230 V~ mains adaptor · 4 switching states: press 1 x = 1 LED, press 2 x = 7 LEDs press 3 x = 19 LEDs, press 4 x = 19 LEDs flashing	1 item

Construction site

Stick lamp, 8 W, IP20

· 8 W fluorescent lamp

· Not interchangeable, with integrated reflector

· Electronic ballast unit built into the handle, 50 HZ

· Plastic version with shock resistant protection tube and rotary hook

· 5.0 m H05VV-F 2 x 0.75 mm² supply cable with Euro plug 2.5 A

· IP20, including light bulb

Art. no.	Version	Unit
Stick lamp		**Length without hook: 46.5 cm**
IP20		
394.184	· Black · dia. 1.5 cm	1 item

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 mm² rubber cable with contour plug

· Splash-proof and dustproof design

· Including light bulb (Dulux S 11 Watt)

Art. no.	Version	Unit
Professional 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

· E 27 holder, max 100 W

· Interchangeable, with protective glass

· Oil resistant rubber design

· Metal basket with integrated hook, light bulbs not included

Art. no.	Version	Unit
Rubber hand lamp		**Length/width: 40 cm / 4.5 cm**
IP44, protection class II, double insulated		
394.183	· 5.0 m H05RN-F 2 x 0.75 mm² supply cable with plug · Black	1 item
IP 40, without cable		
394.187	· Black	1 item
Replacement glass		
910.1011	· Protection glass	1 item

Halogen spotlight 120 W with earth spike, 16 A / 230 V~, IP44

Art. no.	Version		Unit
Halogen spotlight			
IP44			
· 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 is turnable and pivotable			
· Including light bulb			
394.181	· Black		1 item

E 27 holder with earth spike, 16 A / 230 V~, IP44

Art. no.	Version		Unit
E 27 holder with earth spike			
IP44			
· 2.0 m cable: H05RN-F 2 x 1.00 mm² with contour plug			
· Plastic housing with seal, splash-proof			
· Lamp holder is pivotable			
· For use only with PAR38 80 W light bulb (not included)			
720.000	· Black		1 item

Construction site

LED class 1

Die-cast aluminium
housing

Energy-saving LED
technology

For continuous
outdoor use

Reflector
with safety glass
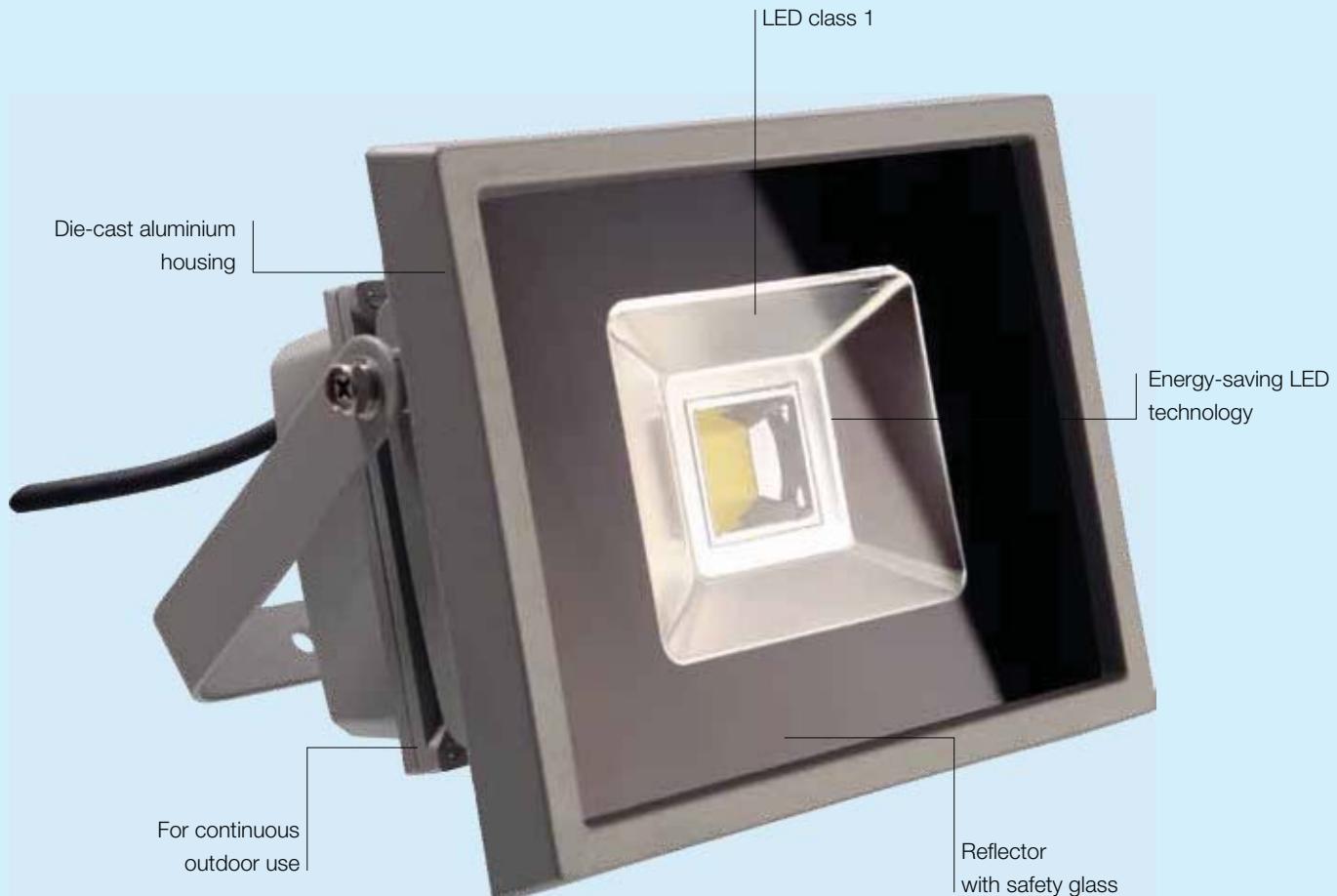
LED SPOTLIGHT

**The advantages
at a glance**

- LED class 1
- LED technology offers very long service life
- Low power consumption
- Minimal heat generation
- Shock-resistant
- Robust die-cast aluminium housing
- 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	
	· Pivotable and lockable reflector with safety glass	
	· IP65	
50 W with LED chip; 220-240 V / 50-60 Hz		
720.025	· approx. 3600 lumen, colour temperature 6400K · 2 m cable H07RN-F 3G 1.5 with earthing contact plug	1 item
80 W with LED chip; 220-240 V / 50-60 Hz		
720.026	· approx. 7000 lumen, colour temperature 6400K · 2 m cable H07RN-F 3G 1.5 with earthing contact plug	1 item
Portable Power LED-spotlight		
20 W with frame; 220-240 V / 50-60 Hz		
720.027	· approx. 1600 lumen, colour temperature 6400K · 2 m cable H07RN-F 3G 1.0 with earthing contact plug · LED class 1 · Beam angle 60° · Die-cast aluminium housing · Pivotable and lockable reflector with safety glass · IP65	1 item
Professional Power LED spotlight		
	· LED class 1	
	· Beam angle 60°	
	· Die-cast aluminium housing	
	· Pivotable and lockable reflector with safety glass	
12 W; 220-240 V / 50-60 Hz		
720.028	· approx. 960 lumen, colour temperature 6400K · 2 m cable H07RN-F 3G 1.0 · IP65	1 item
12 W; 220-240 V / 50-60 Hz		
720.029	· approx. 960 lumen, colour temperature 6400K · without cable · metal cable inlet for cables up to 3G 1.5 mm² · IP65	1 item
12 W with motion detector; 220-240 V / 50-60 Hz		
720.030	· approx. 960 lumen, colour temperature 6400K · without cable · metal cable inlet for cables up to 3G 1.5 mm² · IP44 · motion detectors: Range max 12 m · time adjustable from 9 sec to 10 min · integrated dawn switch	1 item
7 W with earth spike; 220-240 V / 50-60 Hz		
720.031	· approx. 560 lumen, colour temperature 6400K · 1.5 m cable H07RN-F 3G 1.0 with earthing contact plug · IP65	1 item

Construction site

5.0 m supply cable
H07RN-F3G 1.5 mm²
rubber cable with
rubber plug

Shock-resistant plastic housing with
oil-resistant rubber surround and
polycarbonate pane

PROFESSIONAL WORKING LAMP
For use on construction sites.

The advantages at a glance

- Uses energy-efficient fluorescent lamps
- Includes 4000 kelvin light bulb
- Splash-proof and dust-proof design IP44 safety class ‖
- Infinitely adjustable support bracket for positioning
- Can be stand-mounted
- Version with integrated earthing contact socket outlets

Professional work lamps

· Shadow free and comfortable light.
· 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).
· Examples of use: workshops, tradesmen, ideal for outdoor use and on construction sites.

Art. no.	Version	Unit
Professional work lamp		**Black**
720.022	· 36 W (2 x 18 W), 2900 lumen, without earthing contact socket outlet · 34 x 23 x 11 cm	1 item
720.020	· 72 W (2 x 36 W), 5800 lumen, with 2 earthing contact socket outlets · 49.5 x 28.5 x 11 cm	1 item
720.021	· 108 W (1 x 36 W), 8700 lumen, with 1 earthing contact socket outlet · 55 x 29 x 11 cm	1 item

Professional stand

· Robust tripod construction, zinc-plated, with mounting pate and fixing screws
  handy cable winding point
· Height adjustable up to 2.50 m
· Weight: 6 kg

Art. no.	Version	Unit
Professional stand		**Silver**
730.004	· Stable construction in silver	1 item

Professional rotating light IP54

· Compact shock-proof and shatter-proof housing
· Can stand or hang
· approx. Ø x H: 19 x 38 cm

Art. no.	Version	Unit
Energy saving light 230 V / 16 A		
360° rotating light		
394.195	· including energy-saving bulb G24 42 W · approx. 3100 lumen, colour temperature 6400K · with on/off switch · very effective room lighting · shatter-proof polycarbonate · 2 x socket outlets with earthing contact, child-proof, black · 5 m cable H07RN-F 3G 1.5 with earthing contact plug · flexible fixing with hanging and mounting options	1 item

NEW

Construction site

Mobile halogen lamp, 400 W, IP44

Art. no.	Version	Unit
Halogen mobile light		
IP44		
· 2 m cable: H05VV-F 3G 1.00 mm² with plug		
· 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
Halogen mobile light		
IP44		
· 2 m cable: H05VV-F 3G 1.00 mm² with plug		
· 400 W R7S halogen bulb included		
· Aluminium cast housing with cooling surface		
· Stand with aluminium cast articulation, height adjustable up to 2 m		
· 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		
· 60 W plastic E 27 holder		
· 0.2 m H03VV-F 2 x 0.75 mm²		
· Black		
· Delivery in units of 20 only		
641.170	· With 2-pin terminal block	20 items
641.171	· With plug terminals	20 items

MAXI series 1000 silicon 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 1000 silicon housing		
With ceramic lamp holder		
924.224	· Transparent	1 item
924.225	· White	1 item
With ceramic lamp holder, supplied in bags of 50, loose		
924.332	· White	500 items
Without ceramic lamp holder, supplied in bags of 50, loose		
924.334	· White	500 items

Art. no.	Version	Unit
Series 1002 decorative rings		
For MAXI series 1000 silicon housing		
· Dimensions: inner 5 cm, outer 8 cm		
924.231	· Chrome	20 items
924.250	· Matt brushed stainless steel	20 items

MAXI silicon housing for low-voltage recessed halogen spotlights

The MAXI silicon housing consists of a high temperature resistant high-tech elastomer
with exceptional material qualities and thus a wide variety of applications:
· Totally rust-free
· Resistant to UV, ozone and ageing
· Heat and cold-resistant
· Excellent resistance to weather and maritime environments
· Patented
· Quick and easy to assemble and dismantle
· No component mounting
· Light bulb changing 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
· Plasterboard, fibreboards, chipboards, etc.

Pulse starter

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 warranty, -30 °C to +75 °C, ENEC approval		
924.167	· EFS 120 / 110-250 V ~, 15-22 W	10 items
924.168	· EFS 600 / 200-260 V ~, 18-125 W	10 items

Additional visual ON/
OFF indicator

Large, easy to operate ON and
OFF buttons

For connecting directly
into the supply line to
the power appliance

Encapsulated version for harsh
environments

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 30 mA.
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
· Packed 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
1 x protective conductor monitoring		
· End 1: solid rubber right angle plug with 2 earthing contact systems		
· End 2: solid rubber coupling, 3-way with cover, protection type IP44		
919.015	· Black	1 item

PRCD-S 230 V~, 16 A, 30 mA, IP55

· Terminal cross-section 1 mm² - 2.5 mm²
· Test marks by BG (German employers' liability association), Cologne SEV, VDE, GS

Art. no.	Version	Unit
PRCD-S		
1 x protective conductor monitoring		
· PRCD-S		
· 30 mA rated residual current		
919.016	· Black	1 item

PRCD-K 230 V~, 16 A, 30 mA, IP55

· Terminal cross-section 1 mm² - 2.5 mm²
· Test marks VDE, TÜV, GS

Art. no.	Version	Unit
PRCD-K		
1 x differential current protection device, 1 x undervoltage tripping device		
919.018	· Black	1 item

The advantages 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
Scope of protection	• 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
	• For system faults in the fixed installation. The PRCD-S detects all faults in the fixed installation and then cannot be switched on.

Adaptors

PRCD ADAPTOR 16 A / 250 V~ / 50 Hz / 3680 W

· 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 up to rubber cable 05RNF-F3 1.5 mm²	50 items
	· Black	

PRCD personal circuit breaker 16 A / 250 V~ / 3600 W

· 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		
IP44		
919.190	· Tripping current < 10 mA	1 item
	· Tripping time < 10 ms	
	· Black	
IP55		
919.189	· Tripping current < 30 mA	1 item
	· Tripping time < 30 ms	
	· Black	

Earthing contact extension cable with PRCD 16 A / 250 V~ / 3600 W

· 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

Art. no.	Version	Unit
Earthing contact extension cable		
With PRCD 919.189		
341.880	· End 1: mounting plug 913.173	1 item
	· End 2: mounting coupling 919.177	
	· Black / orange	

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

Art. no.	Version	Unit
PRCD cable reel, cable: H07BQ-F 3G 1.50 mm²		
25 m		
398.200	· Earthing contact plug 16 A / 30 mA	1 item
	· Cable: orange, reel: black	

Overvoltage protection adaptor 16 A / 230 V ~ / 50 Hz / 3680 W

Art. no.	Version	Unit
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	· White · Short-circuiting resistance to 4.5 kA · Maximum peak current 4500 A for pulses of 8 / 20 μ · Maximum overvoltage: 6.000 V · Maximum energy absorption: 165 J for pulses of 10 / 100 μ Response time < 1 ns · Child-proof	1 item
1 x universal overvoltage protection adaptor with protection for ISDN, TEL and TV (177.9 x 62 x 33 mm)		
919.004	· IP20 · Short-circuiting resistance to 4.5 kA · Visual function and fail indicator · Maximum peak current 4500 A for pulses of 8 / 20 μ · Maximum overvoltage: 6.000 V · Response time < 1 ns · Child-proof · White	1 item
1 x overvoltage protection adaptor (177.9 x 62 x 33 mm)		
919.005	· With 8-level LED overload indicator, IP 20 · Visual function and fail indicator · White	1 item
Overvoltage protection adaptor		
1 x overvoltage protection, 1 x varistor, max. leakage current 4.5 kA per varistor, optical function display		
920.000	· White	10 items

Energy measuring instrument 160 - 250 V~

Art. no.	Version	Unit
Energy measuring instrument		

852.9821	· Large LC display with blue background light
	· 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
		1 item

NEW

GREEN

Adaptors

Mechanical timer switches

· Mechanical timer switches, 24 h, 16 A/230 V~/3680 W:
· Plastic version, child-proof, easy to use,
  operating manual included

Art. no.	Version
Mechanical timer switch	
852.101	· White
	· Smallest switching interval: 15 minutes
	· Up to 96 switch-on and switch-off times per day (24 h)
	· 121 x 74 x 76 mm (L x W x H)
Mechanical timer switch IP44	
1 x splash water protection (IP 44)	
852.102	· With transparent hinged lid
	· Suitable for use in damp locations
	· Operating temperature range: -25 °C to +55 °C
	· Smallest switching interval: 15 minutes
	· Up to 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)	
852.104	· White
	· Smallest switching interval: 30 minutes
	· Up to 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)

MINI

Digital timer switch, 24 h, 16 A / 230 V~ / 3680 W

· Plastic version with LCD display, child-proof, easy to use, manual included, built-in rechargeable battery;
  shortest switching interval: 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	· White
	· 120 x 64 x 76 mm (L x W x H)

Travel plug adapter 16 A / 250 V~

· Earthing contact system adaptor with storage bag and interchangeable country adaptors
· Suitable for:

Red	Liechtenstein / Switzerland
Green	Chile / Greece / Italy
Blue	Africa / Asia / Commonwealth countries / UK / Ireland / Middle East
Black	GUS / Japan / Canada / Central and South America / South and East Asia / USA
Yellow	Australia / New Zealand and parts of China

Art. no.	Version	Unit
Travel plug adaptors		
Protection class 1		
914.670	· Colour	10 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.

Travel plugs, 3-pole

Art. no.	Version	Unit
Travel plug adaptors		
1 x earthing contact with 5 country-specific inserts		
914.672	· Black, with travel pouch · The only travel plug approved by KEMA · Italy, UK, Ireland, Africa, Asia · USA, Canada, Japan, Switzerland, Liechtenstein · China, Australia, New Zealand	10 items

Travel plugs, 3-pole

· Socket side: earthing contact
· Plug colour: white

Art. no.	Version	Unit
Travel plug 15 A / 125 V~		**USA / earthing contact**
3-pole		
921.004	· Plug pin side: USA	10 items
Travel plug 10 / 16 A / 250 V~		**France / earthing contact**
3-pole		
921.005	· Plug pin side: France, Belgium, Czech Republic, Poland	10 items
Travel plug 10 A / 250 V~, max. 1500 W		**Italy / earthing contact**
3-pole		
921.006	· Plug pin side: Italy, Spain	50 items
Travel plug 13 A / 250 V~		**UK / earthing contact**
1 x miniature fuse, 3-pole		
921.010	· Plug pin side: UK / Ireland / Malta / Hong Kong / Cyprus · Includes miniature 13 A fuse, interchangeable	10 items
900.1077	· Replacement fuse / 13 A miniature fuse	1 item
Travel plug 10 A / 250 V~		**Switzerland / earthing contact**
3-pole		
921.011	· Plug pin side: Switzerland	100 items
Travel plug 10 A / 250 V~		**Australia / earthing contact**
3-pole		
921.014	· Plug pin side: Australia	10 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.

Adaptors

Travel plugs, 2-pole

Caution! These adaptors are for 2-pole power systems only

· Plug colour: white

Art. no.	Version		Unit
Travel plugs 13A/250V~ UK /			**Euro and contour**
1 x miniature fuse, 2-pole			
921.008	· Includes miniature 13A fuse, interchangeable		10 items
	· Plug pin side: UK / Ireland / Malta / Hong Kong / Cyprus		
	· Socket side: Euro/contour plug		

Art. no.	Version		Unit
Travel plug set			
2-pole			
· Set with 3 different plugs/adapters			
- 1. Suitable for Southern Europe: France, Greece, Poland, Italy, Spain, Turkey, Czech Republic			
- 2. Suitable for America: Asia, Far East, Canada, Central and South America, USA			
- 3. Suitable for old UK system: Africa, China, Hong Kong, India, Caribbean, Sri Lanka			
914.270	· White		25 items

Art. no.	Version		Unit
Single travel plugs			
2-pole			
914.271	· Suitable for Southern Europe: France, Greece, Poland, Italy, Spain, Turkey, Czech Republic		25 items

Art. no.	Version		Unit
Single travel plugs			
2-pole			
914.272	· Suitable for America: Asia, Far East, Canada, Central and South America, USA		25 items

Art. no.	Version		Unit
Single travel plugs			
2-pole			
914.273	· Suitable for old British system: Africa, China, Hong Kong, India, Caribbean, Sri Lanka		25 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.

Adaptors for the earthing contact system

Art. no.	Version	Unit
Travel plugs 10/16 A/250 V~		**Earthing contact / universal**
2-pole and 3-pole		
· Plug pin side: Earthing contact / Germany /France /Belgium, with dual earthing contact system		
921.000	· Socket side: universal, suitable for all standard plugs worldwide, child-proof · Grey	10 items
Travel plugs 15 A/125 V~		**Earthing contact / USA**
3-pole		
· Plug pin side: Earthing contact / Germany /France /Belgium, with dual earthing contact system		
921.003	· Socket side: USA · White	10 items
Travel plugs 10/16 A/125 V~		**Earthing contact / France (UTE)**
3-pole		
· Plug pin side: Earthing contact / Germany		
921.002	· Socket side: Belgium / France / Poland / Slovakia / Czech Republic · White	25 items
Travel plugs 10 A/220 V~ max. 2200 W		**Earthing contact /UK**
3-pole		
· Plug pin side: Earthing contact /Germany /France / Belgium		
921.001	· Socket side: UK, child-proof · White	10 items
Travel plugs 10 A/250 V~		**Earthing contact / Switzerland**
3-pole		
· Plug pin side: Earthing contact / Germany		
921.012	· Socket side: Switzerland · White	10 items
Converter plug 10 A/250 V~		**Earthing contact /Italy**
3-pole		
· Plug pin side: Earthing contact / Germany		
921.013	· Socket side: Italy · White	10 items

Note: Adaptors are not voltage transformers. They are not suitable for long-term use.

Adaptors

NEW

SKROSS

Voyage of global discovery.

reddot design award winner 2010

The advantages at a glance	• 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

DESIGNED IN SWITZERLAND

Travel plugs / travel adaptors

Art. no.	Version	Dimensions: (L x W x H)
SKROSS Travel plugs and adaptors		
World adaptor PRO, 100 - 250 V, max. 2200 W, white		
110.3118	· 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 Dryer Smart phone Shaver MP3 player Laptop Camera Game console GPS Camcorder TabletPC	· 72 x 54 x 57 mm

Art. no.	Version	Dimensions: (L x W x H)
SKROSS Travel plugs and adaptors		
World adaptor Pro USB, 3-pole & USB charging device, 100 V-250 V, max. 2200 W, USB 5 V/max. 1.300 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 Dryer Smart phone Shaver MP3 player Laptop Camera Game console GPS Camcorder TabletPC	· 73 x 57 x 76 mm (incl. USB top)

Art. no.	Version	Dimensions: (L x W x H)
SKROSS Travel plugs and adaptors		
World Adapter Classic, 2-pole, 100 V-250 V, max. 550 W		
110.0160	· Suitable for all 2-pole devices · Input end: Euro, UK, USA/Japan, Australia/China · Slide-out connectors: Euro, UK, USA/Japan, Australia/China · Integrated protection Smart phone Shaver MP3 player Camera Game console GPS Camcorder TabletPC	· 59 x 56 x 60 mm

Adaptors

Travel plugs / travel adaptors

Art. no.	Version	Dimensions: (L x W x H)
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~	· 53 x 60 x 63 mm
150.0205	· Input end: Europe (earthing contact), France, Germany · Output end: Switzerland · Power: max. 10 A/250 V~ (integrated fuse)	· 53 x 60 x 72 mm
150.0207	· Input end: Europe (earthing contact), France, Germany · Output end: UK · Power: max. 13 A/250 V~ (integrated fuse)	· 57 x 64 x 64 mm
150.0209	· Input end: Europe (earthing contact), France, Germany · Output end: Australia · Power: max. 10 A/250 V~	· 53 x 60 x 62 mm
150.0212	· Input end: Europe (earthing contact), France, Germany · Output end: Italy · Power: max. 16 A/250 V~	· 60 x 52 x 66 mm
150.0211	· Input end: Australia, China/UK/USA/Italy/ Europe (2-pole)/Switzerland · Output end: Europe (earthing contact), France, Germany · Power: max. 16 A/250 V~	· 58 x 58 x 45 mm

Travel plugs / travel adaptors

Art. no.	Version	Dimensions: (L x W x H)
SKROSS Travel plugs and adaptors		
World USB charger, USB output: 5 V/max. 1300 mA, white		
130.2300	· Dual USB charger · Supports micro USB technology and i-devices · Compatibility (for outlet sockets): Euro, UK, USA, Australia Smart phone MP3 player Camera GPS TabletPC	· 55 x 53 x 55 mm
SKROSS Travel plugs and adaptors		
Euro USB charger, USB output: 5 V /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
	
	Smart phone MP3 player Camera Game console GPS TabletPC
		· 59 x 48 x 57 mm

SKROSS Travel plugs and adaptors		
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 Smart phone MP3 player Camera GPS TabletPC	· 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.

Adaptors

Euro plug 2.5 A / 250 V~

· 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
Euro plug		
With crimp terminals; unpackaged		
910.171	· Black	25 items
910.271	· White	25 items
Euro plug		
With screw terminal, 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

Euro coupling 2.5 A / 250 V~

· 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
Euro coupling		
With crimp terminals; unpackaged		
912.171	· Black	25 items
912.271	· White	25 items
Euro coupling		
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

Earthing contact plug 16 A / 250 V~

Art. no.	Version	Unit
Earthing contact mounting plug		
H05VV-F 3G 0.75 / 1.0 / 1.5 mm²		
· 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		
910.100	· Black	10 items
910.200	· White	10 items

PLUGS / COUPLINGS

Art. no.	Version 🇩🇪	Unit
Central plug with earthing contact DIN 49441		
H05VV-F 3G 1.0 mm²		
· Small unbreakable construction in plastic, with strain relief		
910.170	· Black	40 items
910.270	· White	40 items
910.470	· Brown	40 items
Central plug with earthing contact DIN 49441		
H05VV-F 3G 1.0 mm²		
· Large unbreakable construction in plastic, with strain relief		
910.971	· Grey	25 items
Right angle plug with earthing contact		
H05VV-F 3G 1.50 mm²		
· Small unbreakable construction in plastic, with lateral earthing contact		
911.172	· Black	50 items
911.272	· White	50 items
Flanged earthing contact plug/angled		
H05VV-F 3G 1.50 mm²		
· Unbreakable construction, with 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 mm²		
· Break-proof design made from plastic, with 2-pin 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 mm²		
· Break-proof design made from plastic, with 2-pin illuminated rocker switch		
911.273	· White	20 items

Earthing contact coupling 16 A/250 V~ 🇩🇪

Art. no.	Version	Unit
Earthing contact coupling		
H05VV-F 3G 1.5 mm²		
· Small, break-proof design made from plastic		
912.170	· Black	50 items
912.270	· White	50 items
912.470	· Brown	50 items
Earthing contact coupling		
H05VV-F 3G 1.5 mm²		
· Large, break-proof design made from plastic kink protection nozzle		
912.971	· Grey	15 items

Plug / coupling

Rubber plugs and couplings 16 A / 250 V~

· 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
Rubber plug		
IP44, DIN 49441		
· Thermoplast insert with dual earthing		
· Also suitable for France and Belgium		
· Revolving strain relief for various cable cross-sections		
913.171	· Black	20 items
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		
913.172	· Black	20 items
Rubber coupling		
DIN 49440		
· Thermoplast insert with earthing contact and strain relief		
913.174	· Black	10 items
IP44, DIN 49440		
· Thermoplast insert with earthing contact and strain relief		
· With cover		
919.176	· Black	10 items

Solid rubber plugs and couplings 16 A / 250 V~

· Delivery to the end consumer is only permissible in assembled condition
· Must be connected by qualified specialists only

Art. no.	Version	Unit
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		
913.173	· Black	20 items
Solid rubber right angle plug		
IP44, DIN 49441-2-AR1		
· For mounting on cables up to H07RN-F 3G 2.50 mm²		
· Robust industrial version with solid rubber insert and earthing contact		
· Standardised clip in function		
· Surface clamps and metal strain relief		
· Side fitting and screw terminal block		
· Temperature range -40 °C to 70 °C		
919.171	· Black	10 items
919.178	· With dual earthing contact system suitable for Belgian/French standards	
	· Black	

Art. no.	Version	Unit
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		
919.179	· Black	20 items

Art. no.	Version	Unit
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

Art. no.	Version	Unit
3-way earthing contact power strip with covers		
IP44; 230 V, 16 A		
381.109	· Design: DIN 49 440 part 1	1 item
	· With attachment eye and four fixing points	
	· Solid elastomer version	

NEW

3-way couplings 16 A / 250 V~, IP44

Art. no.	Version	Unit
Solid rubber 3-way coupling		
IP44, DIN 49440-2-D-AR1		
· For mounting on 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		
· Side fitting and screw terminal block, temperature range -40 °C to 70 °C		
· For permanent use out of doors and on construction sites		
913.170	· Black	10 items

Art. no.	Version	Unit
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		
· 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 16 A / 250 V~, IP44

Art. no.	Version	Unit
Solid rubber cord intermediate switch		
IP44		
· 2-pin cut-off		
· For round cable up to H07RN-F 3G 2.50 mm²		
923.174	· Black	10 items

* No storage type

Plug / coupling

International earthing contact plugs

Art. no.	Version	Unit
Earthing contact plug, Switzerland CH, 10 A / 250 V~		**CH**
Cables up to 3G 1.00 mm²		
· Thermoplast version		
· With strain relief		
910.175	· Black	1 item
910.275	· White	1 item
Earthing contact plug, UK, 13 A / 250 V~		**UK**
Cables up to 3G 1.50 mm²		
· Plastic version		
· Integral 13 A miniature fuse		
· With strain relief		
910.176	· Black	1 item
910.276	· White	1 item
Earthing contact plug, USA, 15 A / 125 V~		**USA**
3-pole		
· Non-polarised		
· Thermoplast version		
910.179	· Black	20 items
USA plug		**USA**
2-pole		
· Not polarised, Duroplast		
910.178	· Black	100 items
Earthing contact plug, Italy, 10 A / 250 V~		**Italy**
3-pole		
· Thermoplast version		
910.174	· Black	50 items
Earthing contact plug, Australia, 10 A / 250 V~		**Australia**
3-pole		
· With insulated pins and sleeve		
910.182	· Black	40 items
910.282	· White	40 items

International earthing contact couplings

Art. no.	Version	Unit
Earthing contact coupling, Switzerland CH, 10 A / 250 V~		**CH**
912.174*	· Black	50 items
912.274	· White	50 items
Earthing contact coupling, UK, 13 A / 250 V~UK		
With function display		
· Thermoplast version		
910.177*	· Black	10 items
910.277*	· White	10 items
Earthing contact coupling with earthing pin, Belgium / France 15 A / 125 V~		**Earthing contact /UTE**
With kink protection sleeve		
· Thermoplast version		
912.173	· Black	35 items
912.273	· White	35 items

* No storage type

Solid rubber international plugs and couplings

· Up to max. H07RN-F 3G 2.5 mm²
· Belgian/French system
· IP44, thermoplastic and solid rubber version, with snap latch

Art. no.	Version	Unit
Solid rubber plug 16 A / 250 V~		**Earthing contact / UTE**
IP44		
913.169	· With dual earthing contact · With side fitting, socket and surface clamps · Black	20 items

Art. no.	Version	Unit
Solid rubber coupling 16 A / 250 V~		**Earthing contact / UTE**
IP44		
919.169	· With snap latch and protection against contact · With Thermoplast cover · Black	10 items

Non-heating appliance plugs and sockets

Art. no.	Version	Unit
Non-heating appliance plug with earthing contact		
C14, 10 A / 250 V~, 70 °C		
· For cables up to 3G 1.00 mm², Thermoplast version with earthing contact C14 for cable junction		
· Screw terminal, kink protection nozzle and strain relief		
915.171	· Black	50 items
915.271	· White	50 items
915.971	· Grey (RAL7035)	50 items
Non-heating appliance right angle plug with earthing contact		
C14, 10 A / 250 V~, 70 °C		
· For cables up to 3G 1.00 mm², Thermoplast 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, 10 A / 250 V~, 70 °C		
· For cables up to 3G 1.00 mm², Thermoplast version with earthing contact C13 for cable junction		
· Screw terminal, kink protection nozzle and strain relief		
915.170	· Black	25 items
915.270	· White	25 items
915.970	· Grey (RAL7035)	25 items
Non-heating appliance right angle socket with earthing contact		
C13, 10 A / 250 V~, 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 (RAL7035)	25 items
Non-heating appliance built-in plug		
C14, E, 10 A / 250 V~, 70 °C		
· Thermoplast version for screw terminal		
917.170	· Black	50 items

* No storage type

Plug / coupling

Non-heating appliance plugs and sockets

Art. no.	Version	Unit
Non-heating appliance in-built socket		
C13, F, 10 A / 250 V~, 70 °C		
· Thermoplast version for screw terminal		
917.171	· Black	50 items

Non-heating appliance plugs and sockets

Art. no.	Version	Unit
Non-heating appliance plug		
C20, 16 A / 250 V~, 70 °C		
Thermoplast version with earthing contact		
· With kink protection nozzle for line assembly		
915.175	· Black	25 items
Non-heating appliance in-built plug |		
C20, 16 A / 250 V~, 70 °C		
· Thermoplast version		
917.173	· Black	25 items
Non-heating appliance socket with earthing contact		
C19, 16 A / 250 V~, 70 °C		
· For cables up to 3G 1.50 mm²		
· Thermoplast version with earthing contact C19		
· Kink protection nozzle for line assembly		
915.174	· Black	25 items
Non-heating appliance in-built socket with earthing contact		
C19, J, 16 A / 250 V~, 70 °C		
· Thermoplast version with earthing contact C19		
917.172	· Black	25 items

Heating appliance plugs and sockets

Art. no.	Version	Unit
Heating appliance in-built plug		
C16A, E, 10 A / 250 V~, 155 °C		
· Thermoplast version for screw terminal		
918.170	· Black	50 items
Heating appliance socket with earthing contact		
C15A, 10 A / 250 V~, 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 (RAL 7035)	25 items

Heating appliance sockets

Art. no.	Version	Unit
Heating appliance socket		
C21, 16 A / 250 V~, 155 °C		
· Kink protection nozzle for line assembly		
918.171	· Black	25 items
Heating appliance socket with earthing contact		
10 A / 250 V~, 155 °C		
· For cables up to 3G 1.00 mm²		
· Steatite version		
· Kink protection nozzle and strain relief		
· Approved for export and replacement needs only		
919.170	· Black	20 items
919.270	· White	20 items

Junction boxes

Art. no.	Version	Unit
Appliance junction box		
16 A / 380 V~		
· For 55 mm wall boxes / height 14 mm		
· Thermoplast version for concealed wiring mounting		
· Easy mounting thanks to removable terminal box		
· Snap in lid		
· With screw terminal 5 x 2.50 mm² and strain relief		
190.271	· White	20 items
Cooker junction box		
16 A / 380 V~		
· For 55 mm wall boxes / height 23 mm		
190.270	· White	20 items

Safety connector perilex plug 16 A / 250 V ~

Art. no.	Version	Unit
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
Intermediate switch 2 A / 250 V~		
For cables up to H03VVH2-F 2 x 0.75 mm²		
· Plastic		
923.170	· Black	1 item
923.270	· White	1 item
Lamp holder, pre-wired		
E 27		
· 60 W plastic E 27 holder		
· Delivery in units of 20 only		
641.170	· 0.2 m H03VV-F 2 x 0.75 mm² · With 2-pin terminal block · Black	20 items
641.171	· 0.2 m H03VV-F 2 x 0.75 mm² · With plug terminals · Black	20 items
Light bulb adaptor		
Converts E 27 fitting to E 14		
730.005	· Outside thread: E 27 · Inside thread: E 14 · Thread: brass · Insulation: plastic	1 item
Light bulb adaptor		
Converts E 40 fitting to E 27		
730.008	· Outside thread: E 40 · Inside thread: E 27 · Thread: brass · Insulation: porcelain	1 item
Porcelain terminal		
For wire cross sections up to 2.5 mm²		
· Without wire protection		
950.000	· 1-pin · Dimensions: 17 x 9.5 x 12 mm	1 item
950.002	· 2-pin with mounting hole in the centre · Dimensions: 21 x 18 x 16 mm	1 item
950.003	· 3-pin with mounting hole in the centre · Dimensions: 33 x 19 x 16 mm	1 item
For wire cross sections up to 4 mm²		
950.004	· 2-pin with mounting hole in the centre · Dimensions: 24 x 22 x 22 mm	1 item
Ceiling box, diameter 70 mm		
· Including screws		
· Loose in bag		
190.273	· White	20 items

Illumination lighting accessories

Art. no.	Version	Unit
Connecting box		
For flat cables H05RN H 2 x 1.5 mm²		
740.015	· Black	30 items
Solid rubber right angle plug		
IP44		
740.017	· For flat cable	10 items
	· With clip in function	
	· With surface clamps	
	· With 2-way front screw connection	
	· Black	
Flat cable plug for illumination cable 16 A / 250 V~		
DIN 49406, for H05RN H2-F 2 x 1.5 mm² cables		
740.002	· Solid rubber version	10 items
	· Without earthing contact	
	· With clip in function	
	· Black	
Flat coupling for illumination cable		
DIN 0282		
740.003	· With lid and mounting	10 items
	· Without earthing contact	
	· For contour plugs only	
	· Black	
End piece for illumination cable		
DIN 0282		
740.004	· With mounting books	10 items
	· For a safe cable ending	
	· Black	

Light chains

Art. no.	Version	Unit
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 · Without light bulb · Green	1 item
740.006	· With 20 E 27 lamp holders · Without light bulb · Green	1 item

Lamp holders

Art. no.	Version	Unit
Illumination lamp holder		
E 27		
· For use outside		
· Heat and weather resistant thermoplast		
· Splash-proof when used with sealing ring (740.001/740.012) – please order separately		
740.000	· Max. 40 W · Protection class || / IP44 · Up to 165 °C without sealing ring	100 items
Illumination lamp holder with fixing base		
· For fixing on firm surfaces		
· Distance of fixing screws: 40 mm		
· Only use outside with rubber seal. Sealing ring (740.001/740.012) – please order separately		
740.011	· E 27 · Black	50 items
740.010	· E 14 · Black	50 items

Art. no.	Version	Unit
Sealing ring for illumination lamp holders		
· For fitting or retrofitting lamp holders to light chains for outdoor use		
· Guaranteed protection from water droplets when the bulb is directed downwards		
740.001	· E 27 · Black	500 items
740.012	· E 14 · Black	150 items

* No storage type, purchase in complete packaging units only

MAXI series 1000 silicon housing   Also see page 287

inter BÄR

· 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 1000 silicon housing		
With ceramic lamp holder		
924.224	· Transparent	1 item
924.225	· White	1 item
With ceramic lamp holder, supplied in bags of 50, loose		
924.332	· White	500 items
Without ceramic lamp holder, supplied in bags of 50, loose		
924.334	· White	500 items

Art. no.	Version	Unit
Series 1002 decorative rings		
For MAXI series 1000 silicon housing		
· Dimensions: inner 5 cm, outer 8 cm		
924.231	· Chrome	1 item
924.250	· Matt brushed stainless steel	1 item

MAXI silicon housing for low-voltage recessed halogen spotlights

The MAXI silicon housing consists of a high temperature resistant high-tech elastomer
with exceptional material qualities and thus a wide variety of applications:
· Totally rust-free
· Resistant to UV, ozone and ageing
· Heat and cold-resistant
· Excellent resistance to weather and maritime environments
· Patented
· Quick and easy to assemble and dismantle
· No component mounting
· Light bulb changing 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 plasterboard, fibreboards, chipboards, etc.

dia. 68
dia. 51
50
dia. 78

Pulse starter   See also page 253

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 warranty, -30 °C to +75 °C, ENEC approval		
924.167	· EFS 120 / 110-250 V ~, 4-22 W	10 items
924.168	· EFS 600 / 200-260 V ~, 4-125 W	10 items

* No storage type, purchase in complete packaging units only

Accessories

inter BÄR

Child safety

Art. no.	Version	Unit
Teddy series 6310		
Socket outlet protection		
· Socket outlet protection for plugging into earthing contact socket outlets		
· Protective cover with key		
· Only remove from the socket outlet with the key supplied		
· 5 items and 3 keys in transparent bag (price per bag)		
924.201	· White	10 bags
924.101	· Black	10 bags
924.004	· Brown (delivery in units)	10 bags
	· Loose (price per item)	
924.005	· White	50 items
Teddy automatic series 6320		
Socket outlet protection		
· Socket outlet protection for sticking into earthing contact socket outlets		
· 5 items on blister 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		
· 10 items transparent bag (price per bag)		
924.172*	· White	10 items
8500 series automatic socket protection		
· Telescoping technology without sticking panel		
· With gap for earthing contact for the French system		
924.173	· White	250 items
Teddy duo series 6330		
Night light		
· Pilot light and socket outlet protection		
· With key		
· 1 item on blister card (price per card)		
924.001	· Illuminated red	20 items
924.002*	· Illuminated red with motif	20 items

* No storage type, purchase in complete packaging units only

Cord intermediate switches

inter BÄR

· With screwed contacts
· For dual insulated flat cable 2 x 0.75 mm²

Art. no.	Version	Unit
Series 5052 cord intermediate switch, 2 A / 250 V ~		**LxWxH 66 x 30 x 21 mm**
Off switch, 2-pole		
· Non-illuminated, for Class II equipment		
· Marking 0 - 1		
· For double insulated flat cable 2 x 0.75 mm²		
924.028	· Housing black, rocker black	20 items
924.029	· Housing white, rocker white	20 items
Off switch, 2-pole		
· Illuminated, for Class || equipment		
· Marking 0 - 1		
· For double insulated flat cable 2 x 0.75 mm²		
924.031*	· Housing white, rocker white	20 items
Series 5044 cord intermediate switch, 2 (1) A / 250 V ~		**LxWxH 66 x 30 x 21 mm**
Off switch, 1-pole		
· Housing and strain relief screwed, 2 connector terminals		
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²		
· Contact strain 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 titan, button black	20 items
Series 8007 cord intermediate switch, 2 A / 250 V ~		**LxWxH 61 x 23 x 15 mm**
Off switch, 1-pole		
· Strain relief and housing screwed		
· Connector terminal for neutral conductor		
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²		
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
Series 8002 cord intermediate switch, 2 A / 250 V ~		**LxWxH 58 x 28 x 29 mm (without button)**
Off switch, 1-pole		
· Strain relief screwed, snap-on housing, with inset pushbutton switch, button Ø 12 mm		
· Connector terminal for neutral conductor		
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²		
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 ~		**LxWxH 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		
· Contacts with silver, therefore particularly suitable for LED		
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²		
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 titan, rocker black	50 items

* No storage type, purchase in complete packaging units only

Accessories

inter BÄR

Art. no.	Version	Unit
Series 8006 cord intermediate switch, 6 (4) A / 250 V ~		**LxWxH 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		
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 ~		**LxWxH 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 mm² and 3 x 0.75 mm²		
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 ~		**LxWxH 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		
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²		
924.327*	· Housing black, rocker red	50 items
Series 8011 cord intermediate switch, 2 A / 250 V ~		**LxWxH 105 x 37 x 37 mm**
Multi-circuit switch, 1-pole		
· Housing with line exit on both sides		
· 2 connector terminals		
· Circuit 0-1-1+2-2-0		
· 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 switches 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 ~		**LxWxH 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

* No storage type, purchase in complete packaging units only

Foot-operated intermediate switches

· With screwed contacts
· For dual insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²
· 2 connector terminals
· Snap-on housing assembly
· Strain relief screwed

Art. no.	Version	Unit
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
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 2 A / 250 V ~		**Diameter 66 mm**
Off switch, 1-pole		
924.061	· Housing brass, button black	10 items
	· Housing and strain relief screwed, no snap-on housing	

* No storage type, purchase in complete packaging units only

Accessories

Cord end switch

· With screwed contacts
· Housing and strain relief screwed

Art. no.	Version	Unit
Series 8016 cord end switch 10(2) A / 250 V ~		**30 x 51 x 20 mm**
On/off switch, 1-pole, marking 0 - 1		
924.073	· Housing white, rocker white	50 items
924.074*	· 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 ~		**107 x 60 x 30 mm**
With 2 m cable 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 titan, slider black	1 item

Art. no.	Version	Unit
Series 8013 cord intermediate dimmer 250 V ~		**107 x 60 x 30 mm**
924.075	· Housing black, slider black	1 item
924.076	· Housing white, slider white	1 item
924.077	· Housing gold, slider gold	1 item
924.265	· Housing titan, slider black	1 item
924.336	· Housing transparent, slider transparent	1 item

Series 8015 cord intermediate dimmer

· With illumination, for light bulbs, with strain relief

Art. no.	Version	Unit
Series 8015 cord intermediate dimmer 230 V ~		**92 x 28 x 27 mm**
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

* No storage type, purchase in complete packaging units only

Series 8113 cord intermediate dimmer

· For low-voltage halogen lamps (with electronic transformers)
· For high-voltage halogen lamps, for light bulbs

Art. no.	Version	Unit
Cord intermediate dimmer / reverse phase control dimmer series 8113, 230V~		**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		
· Buzz-free, without fuse protection, separate on and off switches, pilot light in the dark		
924.338	· Housing black	1 item

Art. no.	Version	Unit
Series 8114 cord intermediate dimmer 250V~		**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

Series 3652 rocker switches

· 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
Series 3652 rocker switch 16(8) A / 250 V ~, T 185 °C		
On-off switch, 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, 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		
924.092*	· Housing black, rocker black	50 items

* No storage type, purchase in complete packaging units only

Accessories

Series 3652 rocker switches

· 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, 2-pole, non-illuminated, with rocker coinage 0 I		
924.094	· Housing white, rocker white	50 items
924.095	· Housing black, rocker black	50 items
On-off switch, 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, 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

Art. no.	Version	Unit
Series 22 SPVC caps and surrounds		
for 1-pole rocker switch		
924.115*	· Frame white, cap clear	50 items
924.116	· Frame black, cap clear	50 items
for 2-pole rocker switch		
924.118	· Frame black, cap clear	50 items

Series 8004 rocker switches

· Snap-in fixing to 19.4 x 13 mm cut-out
· Suitable for secondary phase halogen lamp switching
· Non-illuminated, marking 0 - I

Art. no.	Version	Unit
Series 8004 rocker switch 6(2) A / 250 V ~, T 85 °C		
Off switch, 1-pole		
924.127	· Flat socket connections 4.8 mm	50 items
	· Housing black, rocker black	
924.128*	· Screw terminals	50 items
	· Housing black, rocker red	

* No storage type, purchase in complete packaging units only

Series 8005 rocker switches

· 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 ~, T 85 °C		
Off switch, 2-pole		
924.129*	· Housing black, rocker red	100 items

Series 8014 rocker switches

Art. no.	Version	Unit
Series 8014 rocker switch 6(2) A / 250 V ~, T 85 °C		
Off switch, 1-pole		
· Fits diameter 22 mm, fixing thread M 22, Class II		
· Screwed contacts, with plastic hexagonal nut		
· 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 °C		
Off switch, 1-pole		
· Fits hole diameter 19 mm, class II, screwed contacts, with protection against contact		
· Suitable for secondary phase halogen lamp switching		
924.133	· Housing black, rocker black	50 items
924.134	· 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		
· Screw terminals M 3, with water protection cap, illuminated, marking 0 I		
924.136	· Housing red, rocker red	50 items

* No storage type, purchase in complete packaging units only

Accessories

inter BÄR

Multi-position pushbutton switches

· 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 2 A / 250 V ~, 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

· Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above

Art. no.	Version	Unit
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, universally usable for 8-15 mm thread	100 items
	· with 2 thread-reducing rings	100 items

Art. no.	Version	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

Art. no.	Version	Unit
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

Pushbutton

·Without thread, screwed contacts, fixing holes Ø 3.6 mm

Art. no.	Version	Unit
Series 8001 pushbutton 2 A / 250 V ~ AC		
Make-contact switch, 2-pole		
924.146*	· Button white	50 items

* No storage type, purchase in complete packaging units only

Button

· 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	Unit
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

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 distance 20 mm · Fixing holes Ø 3.4 mm	50 items
Series 3730 pull switch 2(1) A / 250 V ~, T 125 °C		
Off switch, 1-pole		
924.152	· Housing black · Single-hole fixing · Fixing holes Ø 3.2 mm	100 items
924.153	· Housing black · Hole distance 22-25 mm · With screwing on latches	100 items
Series 3746 pull switch 2 A / 250 V ~, T 125 °C		
Off switch, 1-pole		
· Two-hole fixing		
· Hole distance 22 mm		
· Fixing holes Ø 3.4 mm		
924.154	· Housing brown-black, course cord guidance located on the face end	50 items
924.155	· Housing brown-black, course cord guidance located on the wide end	50 items
· Hole distance 23 mm		
· Fixing holes Ø 3.4 mm		
· With fixing plate		
924.156	· Housing brown-black, course cord guidance located on the face end	50 items

* No storage type, purchase in complete packaging units only

Pull switches

· Two-hole fixing, hole spacing 20 mm, hole diameter 3.4 mm
· Screwed contacts

Art. no.	Version	Unit
Series 8017 pull switch 2 A / 250 V ~, T 100 °C		
Off switch, 2-pole		
924.159*	· Housing black	50 items

Multi-circuit pull switch

· 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 2 A / 250 V ~, T 100 °C		
Multi-circuit switch, 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

· Suitable for equipment in safety class II, central fastening M 12 x 0.75 mm,
  hexagonal and knurled nut screwed on
· Toggle lever and housing made from thermoplastic, contacts silver, terminals silver plated
· Suitable for secondary phase halogen lamp switching

Art. no.	Version	Unit
Series 8400 rocker switch 6(4) A / 250 V ~, T 85 °C		
Off switch, 1-pole		
924.160	· Solder connection	50 items
924.161	· Plug connection 4.8 mm	50 items
Series 8400 rocker switch 6(4) A / 250 V ~, T 85 °C		
Changeover switch, 1-pole		
924.162*	· Solder connection	50 items
924.163*	· Plug connection 4.8 mm	50 items

* No storage type, purchase in complete packaging units only

Special products

inter BÄR

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 warranty, -30 °C to +75 °C		
924.167	· EFS 120 / 110-250 V ~, 4-22 W	10 items
924.168	· EFS 600 / 200-260 V ~, 4-125 W	10 items
Overload protection-power strip type 8110		
2-way		
924.164	· 230 V~, 50 Hz / 16 A	1 item
	· For connecting two devices with high energy 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, carry current	
	· Screw-on	
	· Weight 450 g	

Note | This overload-protected power strip solves the problem of running two power-hungry appliances such as a washing machine and a tumble drier 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 drier 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	**Dimensions: 59 x 107 x 40 mm**	
Temperature-controlled socket with 1 x earthed plug max 230 V / 16 A		
924.174	· Built-in battery Ni-MH 2.4 V / 40 mA	10 items
	· Integrated thermostat	
	· Adjustable temperature range: 5 °C to 30 °C, 40 °F to 85 °F	
	· Operating temperature: -10 °C to 70 °C	
	· Accuracy: +/- 1 °C	
	· LCD display, with coloured operating information	
	· Display of target/actual temperature	
	· Socket with manual switch	
Dawn switch DS-A type 8812	**Dimensions: 34 x 22.5 x 16 mm**	
230 V AC, 50 / 60 Hz, ± 10 %		
924.171	· Maximum load 100 V ~ A at Too=-20 °C to 35 °C	1 item
	· Load current max. 430 mA	
	· Switch-on wave approx. 5 - 15 Lux	
	· Switch-off wave approx. 30 - 40 Lux	
	· Cast housing	

Pinfix series 8821

Art. no.	Version	Unit
Pinfix series 8821		
Special solution for difficult flat connector power packs		
· For the whole of Europe (except Switzerland)		
· Pinfix is patented, 1 item on blister cards		
924.329	· Black	20 cards
924.330	· White	20 cards

* No storage type, purchase in complete packaging units only

Accessories

4-key keypad
Programmable illuminated buttons for controlling equipment and media.

10-inch (10") panel
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 data 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 (19") panel
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 data 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.

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 (mini audio 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).

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 the transmission of weak DC and low-frequency AC signals and impulses 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.

Bandwidth
The difference between two frequencies that form the limits of a specific, unbroken frequency range between them.

Blank
Function in video output devices of switching to a black still frame.

CAT
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	1.000	

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 component. Example: CAT6 cable and plug are connected to a CAT5e socket, the overall network attains only class D. Additionally, 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. Use: 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 ('coax') cable
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)**.

Control unit
See **Media control systems**.

Crossover
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. It is also possible, instead of a crossover cable, to use an uncrossed cable 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)**.

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.

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 engaged in DVB-T in urban areas.

DVB-C offers more channels – theoretically up to 500. However, a prerequisite for receiving the signal is a paid-for cable connection. Commercial broadcasters using the digital cable network usually encrypt the signal, which then requires a smart card from the network operator to decode.

Display port
A port for conveying image and sound signals (e.g. monitor, DVD player, plasma TV etc.).

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 carries analogue signals only,
DVI-I is capable of transmitting both analogue and digital signals, and **DVI-D** carries 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.

EIB
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.

Ethernet
A protocol that controls data transfer in local area networks (LANs). This standard was developed by the Californian Xerox corporation in 1976.

F 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 Ω. 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 profit 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 newly-connected 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 x 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 that can cause 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 through 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.

Loudspeaker connections
Stereo (red + white) screw terminals for audio signals.

LC
This connector is similar to the SC but smaller.

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.

Mini audio 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.

MTRJ
An optical connector that accepts two fibres; the junctions are embedded in a common plastic block in the shape of an RJ45 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.

OWG – Optical waveguides
Cables made up of, or including, optical fibre conductors with connectors for transmitting optical signals in the visible, ultraviolet or infrared ranges. Fibre-optic cables form a reasonably pliable medium for transmitting optical signals or even higher-powered optical radiation.

Overvoltage protection with filter
Overvoltage protection – conforms to DIN VDE 0620-1:-2002-01, 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.

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 galvanically 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-pin serial interface for input devices (e.g. mouse and keyboard) on personal computers.

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.

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 connection by the user to control equipment and media.

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: RJ12 6P6C / RJ45 8P8C

RJ12
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.

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.

ST
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.

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.

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.

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 18 Mbps.

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.
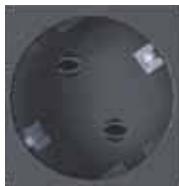
M type with earthing contact 35° / 90° — Earthing contact

Earthing contact socket insert, 16 A / 250 V~ max. 3600 W

· Conforms to DIN VDE 0620-1 Design DIN 49 440
· Colours: black, red, white, grey
· Set at 35°
· Module width 42.5 mm
· For use in: Germany, Austria, Netherlands, Italy (partial), Spain, Portugal, Sweden, Norway,
  Finland, Slovenia, Romania, Hungary, Afghanistan, Andorra, Vatican City, San Marino, Estonia, South Korea,
  Indonesia, Iceland, Chile, Bulgaria
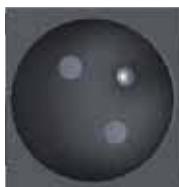
M-UTE 35° / 90° — France

Earthing contact socket insert UTE / France, 16 A / 250 V~ max. 3600 W

· Conforms to NF C 61-314
· Child-proof
· 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

Earthing contact socket insert, UTE / France, for IT, red, 16 A / 250 V~ max. 3600 W

· Conforms to NF C 61-314
· Child-proof and with additional plug-in 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° — Switzerland

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, 15 A / 115 V~ 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° — UK

Earthing contact socket insert, UK, individually fused 3.15 A / 240 V~ or 5 A / 240 V~

· Conforms to BS 5733:1995
· Individually fused, either 3,15 A or 5 A
· Child-proof
· Colour: black
· Set at 45°
· For use in: UK as per standard for office furniture

M-UK 90° — UK

Earthing contact socket insert, UK, 13 A / 240 V~

· Conforms to BS 1363
· Child-proof
· Colour: black
· Set at 90°
· Module width 54 mm
· For use in: UK, Ireland, Singapore, Malaysia, Cyprus, Malta, Hong Kong, Dubai

M-IT 35° Italy

Earthing contact socket combination / Italy 10 A / 230 V or 16 A / 230 V~

· Child-proof
· Colour: black
· Set at 35°
· Module width 45 mm
· For use in: Italy, South Tyrol, South America (some regions)
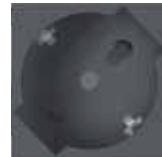
M-AUS 90° Australia

Socket outlet combination, Australia, 10 A / 250 V

· Conforms to AS/NZS 3112
· Colour: black
· Set at 90°
· Module width 45 mm
· For use in: Australia, New Zealand, Argentina

M-CN 90° China

Earthing contact socket insert, China, 10 A / 250 V

· Conforms to CCC
· Colour: black
· Set at 90°
· Module width 42.5 mm
· Can be used in China

M-DK 35° Denmark

Earthing contact socket insert, Denmark, domestic, 10 A / 250 V~

· 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° Denmark

Earthing contact socket insert, Denmark, for IT, 10 A / 250 V~

· Conforms to DS/IEC 60884-1:2004
· Colour: black
· Set at 35°
· Module width 42.5 mm
· For use in: Denmark

M-IEC 10 A

Earthing contact socket insert, non-heating appliance socket, 10 A / 250 V~

· Conforms to IEC 320
· Colour: black
· Set at 90°
· Module width 42.5 mm
· Can be used internationally

M-IEC 16 A

Earthing contact socket insert, non-heating appliance socket, 16 A / 250 V~

· Conforms to IEC 320
· Colour: black
· Set at 90°
· Module width 42.5 mm
· Can be used internationally

M-GST18i3

Earthing contact socket insert GST18i3 16 A / 250 V~

· 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 mm²
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²
· H07BQ-F 3G 1.50 mm²
· H05BQ-F 3G 0.75 mm²

Central plug with earthing contact	Type 31
With dual earthing contact system	

Suitable for (e.g.):
· H03VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²
· 05RV4-F 3G 0.75 mm²
· H03V4V4-H 3G 1.00 mm²
· H03RT-H 3G 0.75 mm²

Central plug with earthing contact	Type 32
With dual earthing contact system, splashwater protection	

Suitable for (e.g.):
· H05VV-F 3G 1.50 mm²
· H05RR-F 3G 0.75 mm²
· H05RR-F 3G 1.50 mm²
· H07RN-F 3G 1.00 mm²
· H07RN-F 3G 1.50 mm²
· H07BQ-F 3G 1.50 mm²
· H07RN-F 3G 2.50 mm²

Earthing contact coupling	Type 34

Suitable for (e.g.):
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²
· H05VV-F 3G 2.50 mm²
· H07RN-F 3G 1.00 mm²
· H07RN-F 3G 1.50 mm²

Swiss plugs and couplings

Version tested by SEV.

Swiss plug	Type 11, 10 A
2-pole	

Suitable for (e.g.):
· H03VVH2-F 2 x 0.75 mm²
· H05VVH2-F 2 x 1.0 mm²
· H05VV-F 2 x 1.00 mm²

Swiss plug	Type 12, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

Swiss coupling	Type 11 D
2-pole	

Suitable for (e.g.):
· H03VVH2-F 2 x 0.75 mm²
· H03VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

Swiss plug	Type 23, 10 A / 16 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

International plugs

Plug with protection class 0	Type 44
2-pole	

Suitable for (e.g.):
· H03VV-F 2 x 0.75 mm²
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²
· H05VV-F 2 x 1.50 mm²

UK plug	Type 45-2, 13 A
2-pole, moulded, with 13 A fuse fitted	

Suitable for (e.g.):
· H03VVH2-2 x 0.75 mm²
· H05VVH2-2 x 0.75 mm²
· H03VV-F 2 x 0.75 mm²
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

UK plug	Type 45, 13 A
3-pole, moulded, with 13 A fuse fitted	

Suitable for (e.g.):
· H03VV-F 3G 0.75 mm²
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

USA plug UL / CSA	Type 46-2
2-pole	

Cable types to suit your requirements.

USA plug -UL / CSA	Type 46
3-pole	

Cable types to suit your requirements.

Italy plug	Type 49, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²

Italy plug	Type 50, 16 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 1.50 mm²

Denmark plug	Type 47, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

Denmark right angle plug	Type 47 W, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

Denmark IT plug	Type 48, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

Denmark right angle plug	Type 48 W, 10 A
3-pole	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²
· H05VV-F 3G 1.50 mm²

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.):
· H03VVH2-F 2 x 0.75 mm²
· H05VVH2-F 2 x 0.75 mm²

Euro flat plug	Type 20

Suitable for (e.g.):
· H03VVH2-F 2 x 0.75 mm²
· H05VVH2-F 2 x 0.75 mm²
· H03VV-F 2 x 0.75 mm²
· H05VV-F 2 x 0.75 mm²

Contour plug	Type 24 G

Suitable for (e.g.):
· H05RN-F 2 x 1.00 mm²
· H07RN-F 2 x 1.00 mm²
· H07RN-F 2 x 1.50 mm²
· H05BQ-F 2 x 1.00 mm²
· H07BQ-F 2 x 1.50 mm²

Contour plug	Type 24 K

Suitable for (e.g.):
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

Contour plug	Type 24 S
Splashwater protected, impact resistant	

Suitable for (e.g.):
· H07RN-F 2 x 1.00 mm²
· H07RN-F 2 x 1.50 mm²
· H05BQ-F 2 x 1.0 mm²
· H05BQ-F 2 x 1.5 mm²

IEC appliance connectors

Non-heating appliance plug, central	Type 35 S
2-pole, 70 °C	

Suitable for (e.g.):
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

Non-heating appliance plug, central	Type 35 S
3-pole, 70 °C	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²

Non-heating appliance socket outlet, central	Type 35-2
2-pole, 70 °C	

Suitable for (e.g.):
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

Non-heating appliance socket outlet, central	Type 35
3-pole, 70 °C	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²

Side-entry non-heating appliance socket	Type 35-2 W
2-pole, right, left, 70 °C	

Suitable for (e.g.):
· H05VV-F 2 x 0.75 mm²
· H05VV-F 2 x 1.00 mm²

Side-entry non-heating appliance socket	Type 35 W
3-pole, right, left, 70 °C	

Suitable for (e.g.):
· H05VV-F 3G 0.75 mm²
· H05VV-F 3G 1.00 mm²

Socket outlet for small appliances	Type 25 D
120 °C, mounted	

Suitable for (e.g.):
· H03VVH2-F 2 x 0.75 mm²

High-temperature appliance socket	Type 37
155 °C, mounted	

Cable types to suit your requirements.

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ELEKTROMATERIAL

NEUHEITEN 2014/2015

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Bachmann schafft Verbindungen. Damit Energie- und Datenströme exakt dort zur Verfügung stehen, wo sie gebraucht werden. Im industriellen, gewerblichen und privaten Bereich, in Büro-, und Schulungsräumen, auf Schreib- und Konferenztischen. Bachmann Facility- und IT-Systeme sind dabei so flexibel, dass Sie das Energie- und Datenmanagement auch zukünftigen Anforderungen jederzeit anpassen können. Und mit dem topaktuellen Bachmann Elektromaterial haben Sie die Sicherheit, selbst ausgefallenen Kundenwünschen an Elektrik und Elektronik zu entsprechen.

Eine der wichtigsten Zielsetzungen unseres Unternehmens ist es, unseren Kunden mit innovativen Produkten nachhaltigen Erfolg zu sichern. Bei der Entwicklung unserer standardisierten und kundenspezifischen Systeme und Produkte nutzen wir daher alle Möglichkeiten, die professionelles Engineering und modernes Prozessmanagement heute bieten.

Beispielsweise bei der Optimierung des Energiemanagements und der effizienten Nutzung von Energie. Hier arbeiten unsere Techniker tagtäglich daran, Ihnen mit intelligenten Produkten neue Möglichkeiten zur Realisierung effizienter Energiekonzepte zu erschließen. Sprechen Sie mit uns über Ihre Projekte, wenn Sie mit besseren Verbindungen rechnen wollen.
Wir begleiten Sie von der fundierten Beratung über die Lieferung einbaufertiger Komponenten und Module bis zur Planung und Entwicklung Ihrer individuellen Lösungen. Dabei setzen wir alle Hebel an, um Ihre Erwartungen an uns und unsere Systeme zu übertreffen.
Wir freuen uns auf beste Verbindungen für Sie – und mit Ihnen!

Qualität auf allen Ebenen
Erst zufrieden sein, wenn man die optimale Lösung hat. Eine Philosophie, die für alle Ebenen unseres Unternehmens gilt und von allen Mitarbeiterinnen und Mitarbeitern konsequent gelebt wird.
So entstehen Produkte, die außen wie innen zu den besten am Weltmarkt zählen.
Dies zeigt unter anderem auch unsere Zertifizierung nach DIN EN ISO 9001:2000.

INHALT

FACILITY

Bachmann Facility Systeme

Elegante und praktische Lösungen für die Energie- und Datenversorgung in
Büro-, Schulungs- und Konferenzräumen. Modular aufgebaute, flexible Systeme für Versorgung und
Kommunikation

KÜCHENSYSTEME

Bachmann Küchen-Systeme

Optimale Anschlüsse und beste Verbindungen im Küchenbereich.
Unsere Systeme sind mit zahlreichen international gängigen Steckdosen und bei Bedarf auch mit
Datenanschlüssen konfigurierbar.

IT POWER DISTRIBUTION

Bachmann IT Power Distribution

Versorgungssysteme für das effiziente Energiemanagement moderner IT Lösungen. Alles von der
Stromversorgung für Schaltschränke bis zu hochwertigen integrierten Elektronik-Bauteilen.

ELEKTROMATERIAL

Bachmann Elektromaterial

Das umfassende Programm rund um Elektrik und Elektronik. Alles, was der
Fachmann braucht, stets auf dem aktuellen Stand der Technik: bewährte
Komponenten, hochwertige Produkte.

POWER FRAME COVER 6-fach
Ideal für Konferenzräume

POWER FRAME ist eine einfach zugängliche Elektrifizierungseinheit am Arbeitsplatz. Die Steckdoseneinheit wird in den Einbaurahmen eingeklickt und kann nach Bedarf ausgetauscht oder mit Custom Modulen bestückt werden.

Artikelnr.	Ausführung
POWER FRAME Einbaurahmen 6-fach	**Länge: ca. 368,5 x 73 mm**
915.006	· Schwarz RAL 9005

Artikelnr.	Ausführung
POWER FRAME COVER 6-fach	**Maße ca. 382 x 87 x 8 mm**
6-fach Power Frame Rahmen schwarz (Art. 915.006), mit Aluminiumklappe, zum Einkleben in den Tisch	
915.504	· Aluminium

Steckdoseneinheiten, 6-fach

Artikelnr.	Ausführung
C 6-fach: 2x Custom Module + Steckdosen Strom	**Länge: ca. 350 mm**
Aluminiumprofil eloxiert; Stromeingang: 0,1m Leitung und GST18i3 Stecker	
916.030	· 4 Schutzkontaktsteckdosen mit Kinderschutz, schwarz, 35° gedreht
916.1110	· 4 Frankreich / UTE Steckdosen mit Kinderschutz, schwarz, 35° gedreht
916.0361	· 3 UK 3,15A einzeln abgesichert mit Kinderschutz, schwarz, 90° gedreht

Artikelnr.	Ausführung
C 6-fach: 3x Custom Module + Steckdosen Strom	**Länge: ca. 350 mm**
Aluminiumprofil eloxiert; Stromeingang: 0,1m Leitung und GST18i3 Stecker	
916.007	· 3 Schutzkontaktsteckdosen mit Kinderschutz, schwarz, 35° gedreht
916.048	· 3 Frankreich / UTE Steckdosen mit Kinderschutz, schwarz, 35° gedreht

Artikelnr.	Ausführung
C 6-fach: 4x Custom Module + Steckdosen Strom	**Länge: ca. 350 mm**
Aluminiumprofil eloxiert; Stromeingang: 0,1m Leitung und GST18i3 Stecker	
916.025	· 2 Schutzkontaktsteckdosen mit Kinderschutz, schwarz, 35° gedreht
916.023	· 2 Frankreich / UTE Steckdosen mit Kinderschutz, schwarz, 35° gedreht
916.024	· 3 Schweiz / CH Steckdosen schwarz, 0° gedreht

C Custom Modul

TWIST
Strom über den Tellerrand hinaus

Komplettversorgung Office für Kleinanwendungen

TWIST 1S 2P	
Metallische Abdeckscheibe Chrom matt; Stromeingang: 0,2m mit GST18i3 Stecker	
931.005	1 x Schutzkontaktsteckdose mit Kinderschutz, schwarz
	2 x Keystone-Aufnahme mit:
	1 x CAT6 Kupplung Buchse Buchse, Front- und Rückseite ; RJ 45 geschirmt
	1 x USB 3.0A/A Modul, Front- und Rückseite: Buchse USB A
	inklusive Wieland Gerätezuleitung GST18 Schutzkontakt, schwarz, Länge 2 m
	Einbaudurchmesser 105 mm, Einbautiefe 40 mm
	für Plattenstärken ab ca. 8 mm
931.006	1 x Frankreich/ UTE Steckdose mit Kinderschutz, schwarz
	2 x Keystone-Aufnahme mit:
	1 x CAT6 Kupplung Buchse Buchse, Front- und Rückseite ; RJ 45 geschirmt
	1 x USB 3.0A/A Modul, Front- und Rückseite: Buchse USB A
	inklusive Wieland Gerätezuleitung GST18 Schutzkontakt, schwarz, Länge 2 m
	Einbaudurchmesser 105 mm, Einbautiefe 40 mm
	für Plattenstärken ab ca. 8 mm

TWIST ist so kompakt, dass sie selbst über Schubladen montiert werden kann.

Mit 42,5 mm Gesamthöhe ist TWIST so kompakt, dass sie auf nahezu allen Flächen verbaut werden kann. Selbst darunter liegende Schubladen sind nun kein Problem mehr. Und durch den flexiblen Kabelauslass findet das Kabel in einer ausgefrästen Nut Platz.

Ø 115
Ø 105
2,5
40
Maße in mm

40 mm - mehr Platz benötigt TWIST nicht.
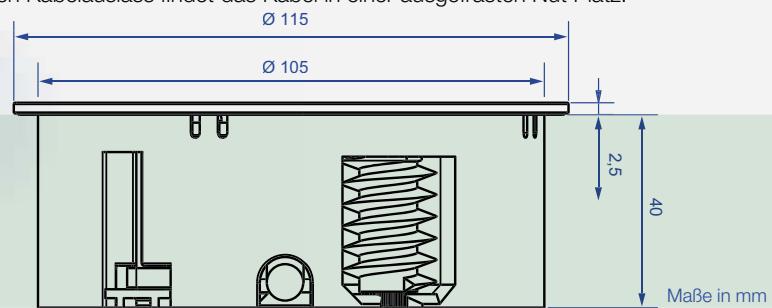
Zubehör für DESK 2
Design trifft Technik

DESK 2 ist eine moderne Tisch-Steckdosenleiste, konzipiert für die flexible Nutzung im Büro, in Besprechungsräumen, im Home-Office oder für das Desk-Sharing.

DESK 2 wird platzsparend mit Aluminium-Haltewinkeln an der Tischplatte befestigt, Leitungen können nun hinter einer Sichtblende und Kabelführung geführt werden, sodass DESK 2 von allen Seiten eine gute Figur macht.

Mit dem neuen Klebesockel kann DESK 2 individuell auf dem Tisch befestigt werden. Somit ist eine direkte
Blockstellung der Tische möglich.

DESK 2 Steckdoseneinheiten

Artikelnr.	Ausführung
Steckdosen Strom	**Länge: ca. 197 mm**
Aluminiumprofil; Stromeingang: 0,2m H05VV-F3G1,5mm² mit GST18; inkl. Haltewinkel	
902.2048	· 3 Schutzkontaktsteckdosen mit Kinderschutz, schwarz, 35° gedreht
	· Lackiert in RAL 9010 Weiß
902.4048	· 3 Schutzkontaktsteckdosen mit Kinderschutz, schwarz, 35° gedreht
	· Lackiert in Inox

DESK 2 Klebesockel	
Verdeckte Kabelführung bis unter die Tischkante	
918.110	2x Klebesockel-Set, Kunststoff lackiert in RAL 9010 Weiß
	2x TESA® POWER STRIP®
918.111	2x Klebesockel-Set, Kunststoff lackiert in Inox
	2x TESA® POWER STRIP®

Vorteile im Überblick

· Designlösung für moderne Arbeitsplätze
· Benutzerorientierte 35°-Ausrichtung
· Verdeckte Leitungsführung bis Tischkante
· Red Dot Product Design Award Winner 2011
· Preisträger IF Award 2012
· Nominiert für den Deutschen Designpreis 2012
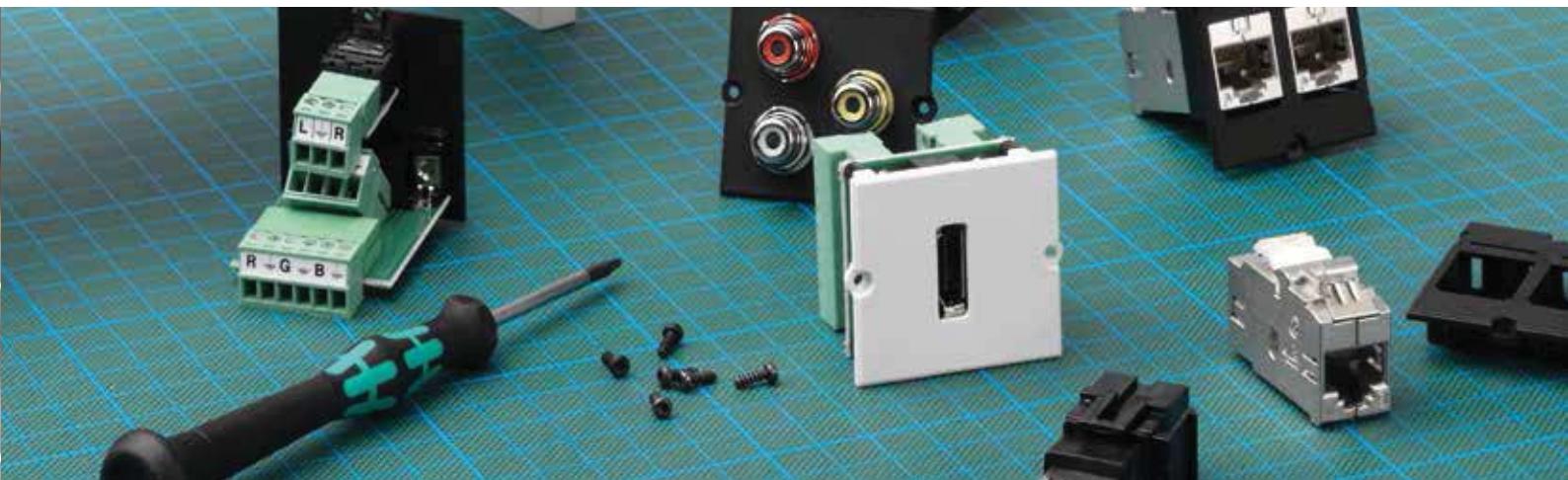
CUSTOM MODULE

Kabelauszugsmodule

Mit den neuen Custom Kabelauszugsmodulen mit Anschlüssen für Netzwerk, USB und mobile Geräte sind nun Datenanschlüsse immer zur Hand. Die Kabelspulen lassen sich in alle Bachmann Tischanschlussfelder mit Custom Modul-Technik integrieren.

Artikelnr.	Ausführung
Kabelauszug für USB-Anschluss	
Länge Datenleitung herausziehbar: ca. 500 mm	
917.300	· Frontseite: USB A 2.0 Stecker; Rückseite: USB A 2.0 Buchse
	· Fixleitung an Rückseite mit Länge ca.150 mm
Kabelauszug für Netzwerkanschluss	
Länge Datenleitung herausziehbar: ca. 700 mm	
917.301	· Frontseite und Rückseite: RJ45 Stecker CAT3
	· Fixleitung an Rückseite mit Länge ca.150 mm
Kabelauszug für mobile Geräte	
Länge Datenleitung herausziehbar: ca. 480 mm	
917.302	· Frontseite mit 3 in 1 Stecker: Apple® 30PIN Stecker, Micro USB 2.0 A Stecker, Mini USB 2.0 A Stecker; Rückseite: USB A 2.0 Buchse
	· Fixleitung an Rückseite mit Länge ca.150 mm

Mini-Displayport

Mini-Displayport Keystone	Schwarz
917.214	· Frontseite: Buchse Mini-Displayport/ Rückseite: Stecker Displayport
	· 0,5m Kabelpeitsche
	· ca. 85 mm benötigte Einbautiefe

HDMI Verbindungskabel

Artikelnr.	Länge	Ausführung
HDMI-Leitung, 15-pol. HD mit Miniklinke und Signalsteuerung		
918.0191	1,0 m	· HDMI Leitung, Farbe schwarz
918.0192	3,0 m	· HDMI Standard 4Kx2K
918.0193	5,0 m	· Seite 1: HDMI Stecker 19-polig
		· Seite 2: HDMI Stecker 19-polig
		· Einsetzbar bei Custom Modulen mit HDMI Buchse/Buchse (z.B. 918.040)
918.0201	7,5 m	· HDMI Leitung, Farbe schwarz
		· HDMI Standard 4Kx2K
		· Seite 1: HDMI Stecker 19-polig
		· Seite 2: HDMI Stecker 19-polig
		· Long Distance
		· Vollmetall
		· Einsetzbar bei Custom Modulen mit HDMI Buchse/Buchse (z.B. 918.040)

HDMI: Bei Kabellängen über insgesamt 5 m kann die Übertragungsgeschwindigkeit bereits sinken. Damit ist keine Super Speed Verbindung möglich. Für Anwendungen mit längeren Übertragungsstrecken sollte idealerweise ein Repeater-Kabel verwendet werden.

USB 3.0 Zubehör

USB 3.0 Koppler

Koppler USB 3.0 A / B Keystone	Schwarz
917.400	· Frontseite: Buchse USB A / Rückseite: Buchse USB B
	· Montage in Keystone Rahmen 917.000 oder 917.001
	· ca. 85 mm benötigte Einbautiefe
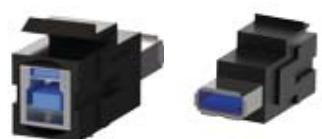
Koppler USB 3.0 B / A Keystone	Schwarz
917.401	· Frontseite: Buchse USB B / Rückseite: Buchse USB A
	· Montage in Keystone Rahmen 917.000 oder 917.001
	· ca. 85 mm benötigte Einbautiefe

Custom Modul 1x USB 3.0 A / A Keystone (1:1 belegt)	Schwarz
917.120	· Frontseite: USB Buchse A / Rückseite: USB Buchse A
	· Montage in Keystone Rahmen 917.000 oder 917.001
	· ca. 85 mm benötigte Einbautiefe

USB 3.0 Verbindungskabel

Artikelnr.	Länge	Ausführung
USB 3.0 A/B Anschlusskabel		
917.1205	1,0m	USB A/B Anschlusskabel, Farbe schwarz
917.1203	3,0m	Seite 1: Stecker A / Seite 2: Stecker B
		Komplett beschaltet
USB 3.0 A/A Anschlusskabel (1:1 belegt, nicht für Host to Host Verbindung)		
918.176	1,0 m	USB A/A Anschlusskabel, Farbe schwarz, Umspritzung grau
918.177	3,0 m	Seite 1: Stecker A / Seite 2: Stecker A
918.178	5,0 m	Einsetzbar bei Custom Modulen mit USB A Buchse
		(z.B. 917.018/917.019/917.400/917.401)
		Komplett beschaltet 1:1, nicht als Host-to-Host Verbindung geeignet

USB 3.0 Verbindungskabel für Host-to-Host Verbindung

Artikelnr.	Länge	Ausführung
USB 3.0 A/A Anschlusskabel (gedreht belegt, für Host-to-Host Verbindung)		
918.081	1,0 m	USB A/A Anschlusskabel, Farbe schwarz, Umspritzung schwarz
918.082	3,0 m	Seite 1: Stecker A / Seite 2: Stecker A
918.083	5,0 m	Einsetzbar bei Custom Modulen mit USB A Buchse
		(z.B. 917.018/917.019/917.400/917.401)
		Komplett beschaltet, 3.0 Datenpaare gedreht für Host-to-Host Verbindung

USB 3.0 Die richtigen Komponenten

Herkömmliche USB 3.0 Direktverbindung, ohne Koppler

SSTX
SSRX
· ·
SSRX
SSTX

Computer

USB 3.0 Kabel
Aus dem Lieferumfang des Geräts

z. B. externe
Festplatte
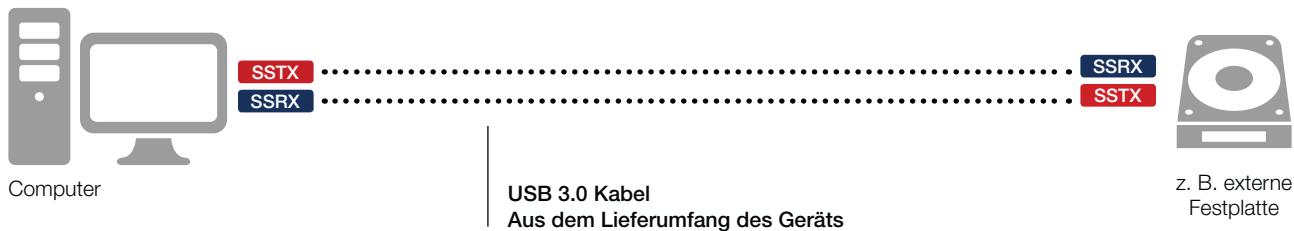
Verbindung mit A/B- oder B/A-Koppler für USB 3.0 Verbindung

B   A

SSTX
SSRX

USB 3.0
B/A-Koppler
(917.401)

SSRX
SSTX

Computer

USB 3.0 A/B Kabel
(Art-Nr. 917.1205, 917.1203)

USB 3.0 Kabel
Aus dem Lieferumfang des Geräts

z. B. externe
Festplatte

A   B

SSRX
SSTX

USB 3.0
A/B-Koppler
(917.400)

SSTX
SSRX

z. B. externe
Festplatte

USB 3.0 Kabel
Aus dem Lieferumfang des Geräts

USB 3.0 A/B Kabel
(Art-Nr. 917.1205, 917.1203)
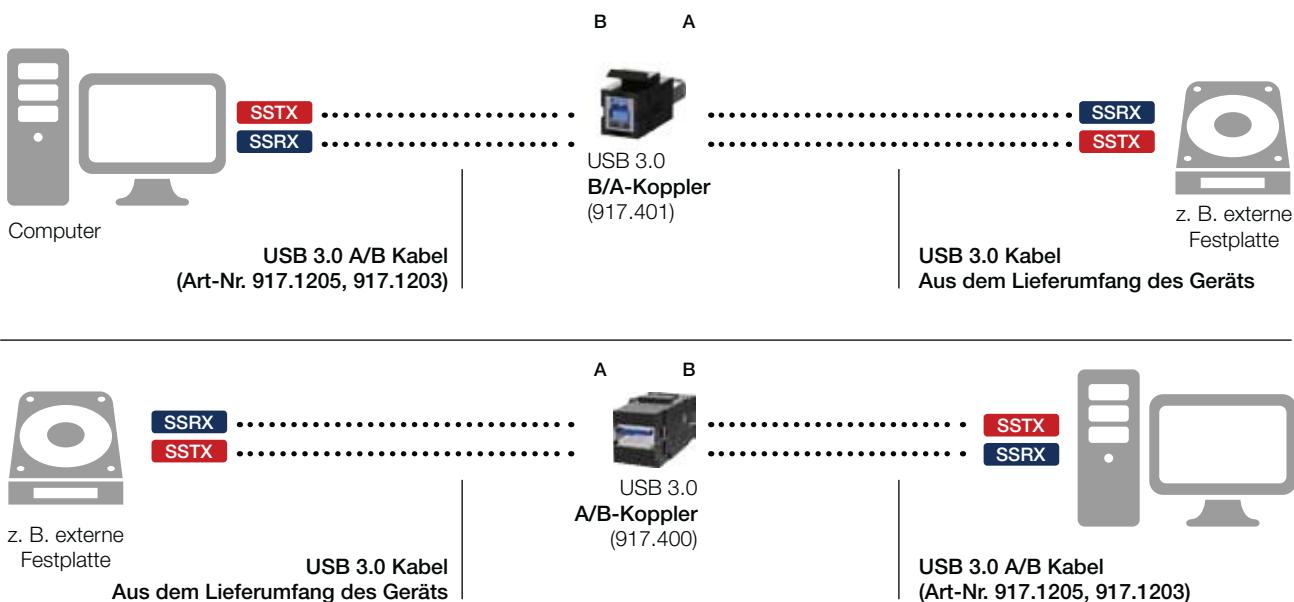
Verbindung mit A/A-Koppler für USB 3.0 Verbindung

A   A

SSTX
SSRX

USB 3.0
A/A-Koppler
(Art-Nr. 917.120)

SSRX
SSTX

Computer

1:1 belegtes Kabel
(Art-Nr. 918.176, 918.177, 918.178)

USB 3.0 Kabel
Aus dem Lieferumfang des Geräts

z. B. externe
Festplatte
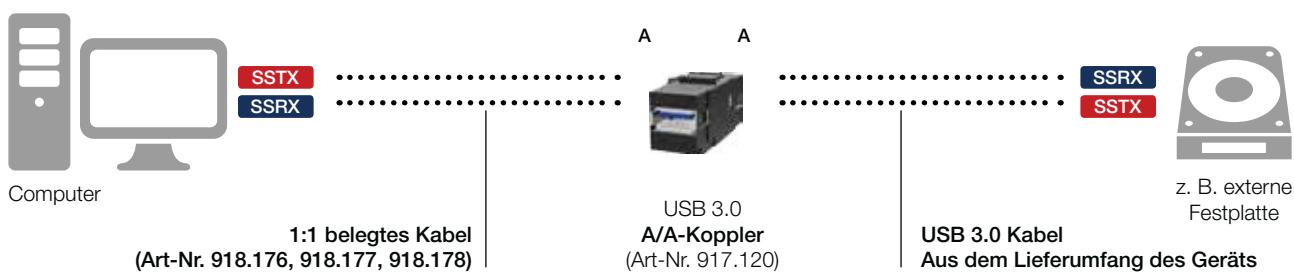
Bitte beachten

USB 3.0 Kabel verfügen im Vergleich zu USB 2.0 Kabeln neben einer weiteren Masseverbindung über zwei weitere Signaladernpaare:

SSTX+ und SSTX- dienen der Datenübertragung vom Host zum Gerät,
SSRX+ und SSRX- der Datenübertragung von Gerät zu Host.

Aktive Komponenten benötigen für die Kommunikation 1:1-belegte USB 3.0 Kabel. Da unser USB 3.0 A/A-Koppler 1:1-belegt ist, muss ein ebenso 1:1-belegtes Kabel verwendet werden. Werden die Komponenten anders als oben beschrieben eingesetzt (gekreuzte USB-Kabel), wird die Datengeschwindigkeit von USB 3.0 auf USB 2.0 reduziert, obwohl ausschließlich USB 3.0 Komponenten verwendet werden. USB 3.0 SuperSpeed Datenverbindungen sind nur bis zu einer Kabellänge von insgesamt 4,5 m möglich. Werden Kopplern verwendet, müssen kürzere Kabel verwendet werden. Ein wichtiger Faktor für hohe Datenraten ist die Qualität der verwendeten Kabel. Wir empfehlen Bachmann USB 3.0-Kabel.

ELEVATOR COVER

Das bewährte Produkt ELEVATOR ist jetzt auch für Anwendungen in der Küche einsetzbar.
Durch speziell entwickelte Befestigungsprofile kann ELEVATOR auch unterhalb eines Hängeschranks in der Wandecke bzw. direkt im Hängeschrank eingebaut werden.
Per Daumendruck lässt sich Elevator ausfahren und bietet auf kleinstem Raum drei Steckdosen.
Nach Gebrauch wird die Steckdoseneinheit einfach wieder versenkt.

Vorteile im Überblick

· Fährt per Daumendruck aus
· 3 Steckdosen
· Passend für 79 mm Standard-Bohrung
· Einfache und schnelle Montage
· Nachträglicher Einbau möglich
· Aluminium vernickelt, gebürstet
· Klassisches Design

ELEVATOR

Artikelnr.	Ausführung

ELEVATOR Steckdoseneinheit

Aluminiumprofil im Edelstahl-Look; Küchen-Variante; Stromeingang: 2,0m H05VV-F 3G 1,5mm² mit Aderendhülsen und beiliegendem Schutzkontakt-Montagestecker

928.002	· 2 Schutzkontaktsteckdosen, mit Kinderschutz, schwarz, 35° gedreht

ELEVATOR COVER

ELEVATOR Cover

Zubehör zur Montage des Elevators unter Küchen-Hängeschrank

928.901	Bestehen aus:
	· Wandbefestigungsprofil
	· Leitungsniederhalter
	· 3 St. M3x8 Senkkopfschrauben
	· 2 St. 3mm Linsenkopfschrauben
	· 4 St. Dübel 5mmx32mm
	· 4 St. 3,5x40 Senkkopfschrauben mit Kreuzschlitz
	· Aufnahmeadapter
	· Befestigungsadapter
	· Frontblende: Aluminium glänzend poliert, "Edelstahl-Look"
	· Montageanleitung

Zubehör zur Montage des Elevators im Küchen-Hängeschrank

928.902	Bestehen aus:
	· Profil Blendenkörper: Aluminium glänzend poliert, "Edelstahl-Look"
	· Deckel
	· 1xKunststoffschraube
	· 2xTESA® Power Strips
	· Montageanleitung

Universal Steckdosenleisten
für die Wand und Eckmontage

Die universell einsetzbare Steckdosenleiste ist eine effiziente Lösung für einen leicht zugänglichen Stromanschluss in der Küche. Die Leiste kann sowohl in der Ecke, als auch an der Wand montiert werden. Das Aluminiumprofil in Edelstahl-Optik bietet ein zeitloses Design und ist somit für alle Küchen geeignet. Die Steckdosenleiste ist in mehreren Ausführungen erhältlich (mit/ohne Wippschalter, mit USB-Doppelcharger, mit LED-Beleuchtung).

Vorteile im Überblick

· Schnell und flexibel einsetzbar
· Für Wand- und Eckmontage
· Nachträglicher Einbau möglich
· Zeitloses Design

Universal Steckdosenleisten für die Wand- und Eckmontage

Artikelnr.	Ausführung

Steckdosenleisten für die Wand- und Eckmontage	**Länge: 458 bis 580mm**
Aluminiumprofil in Edelstahl-Optik; Küchen-Variante; Stromeingang: 2,0 m H05VV-F 3G 1,5 mm² mit beiliegendem Schutzkontakt-Montagestecker	
923.006	· 4 Schutzkontaktsteckdosen mit Kinderschutz, 35° gedreht, schwarz,
923.007	· 4 Schutzkontaktsteckdosen mit Kinderschutz, 35° gedreht · Mit Wippschalter, schwarz
923.008	· 4 Schutzkontaktsteckdosen mit Kinderschutz, 35° gedreht · mit Wippschalter und USB-Doppelcharger, schwarz
923.009	· 4 Schutzkontaktsteckdosen mit Kinderschutz, 35° gedreht · mit Wippschalter und LED-Beleuchtung (warmweiß), schwarz
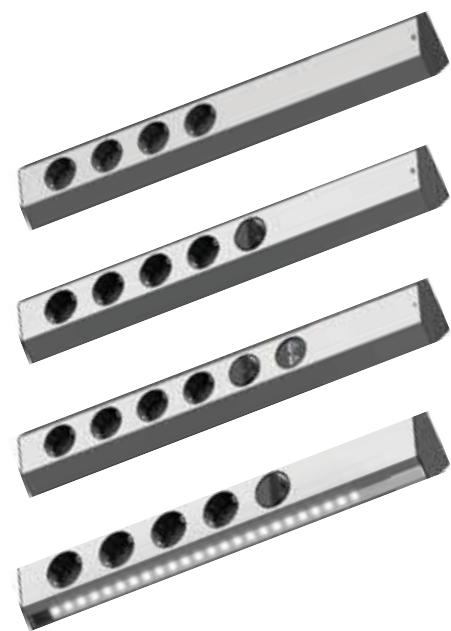
Basic PDU Vertikal

Power Distribution Units 230 - 400 V / 50 Hz

Bei der Entwicklung der IT PDU stand die platzsparende und modular erweiterbare Integration der PDU im Serverrack im Vordergrund. Das Maß des hochwertigen und sehr stabilen Aluprofils beträgt kompakte 44 x 47 mm. Die platzsparende Bauweise bietet dadurch Raum für Datenverkabelung und Luftführung zur Klimatisierung des Serverracks.
Durch das einfache, mechanische Zusammenstecken mittels Verbindungslaschen der IT-PDUs ist eine Kombination unterschiedlicher Steckerausführungen sehr einfach möglich.

Artikelnr.	Kabeltyp H05VV-F-	Länge (m)	Stecker	Phasen	Nenn-spannung (V)	Strom je Phase in A	C13	C19 IEC Lock	Outlets Gesamt	Maße (BxHxT) in mm	ab Lager
Zero U-Space IT PDU Basic (32 A / 230 V / 50 Hz)											
800.1656	5G2,5 mm²	3	CEE	3	400	16	24	3	27	1075x44x47	ja
800.1657	3G2,5 mm²	3	CEE	1	230	16	24	3	27	1075x44x47	ja

BlueNet Produktmatrix

MESSUNG	WiFi	BN3000
Strom	x	x
Spannung	x	x
Phasenwinkel		x
Frequenz		x
Wirkleistung	x	x
Blindleistung		x
Scheinleistung	x	x
Energiezähler	x	x
Power Faktor	x	x
Nulleiterüberwachung		x
Messung pro Phase	x	x
Messgenauigkeit	1%	1%
DISPLAY		
Art		OLED
Anzeige per Software drehbar		x
SENSORIK		
Anschlüsse für externe Sensoren	1	2
Steckdosen schaltbar	x	
Schaltzustands-kontrolle	x	

SCHALTEN	WiFi	BN3000
Zeitschaltfunktion	x	
Schwellwert-schaltfunktion	x	
KOMMUNIKATION		
Ethernet (10/100 Mbit/s)	x	x
W-LAN 802.11 b/g/n	x	
Powerline Communication		
ModBus RTU		x
ModBus TCP		x
HTTP	x	x
HTTPS	x	x
SSH		x
DHCP	x	x
SMTP	x	x
SNMPv2		x
SNMPv3		x
SNMP Trap		x
Syslog		x
NTP	x	x
DDNS	x	
BEDIENUNG		
Webbrowser	x	x
Smartphone App	x	
Lokal		x

Leistungsmessung (kW)

Tatsächlich aufgenommene Leistung der Verbraucher unter Berücksichtigung der Phasenverschiebung. Leistungsverbrauch der angeschlossenen Geräte.

Netzspannung (V)

Die anliegende Spannung des Netzes, an dem die Leistungsmessung angeschlossen ist, wird angezeigt.

Phasenwinkel

Zeigt die Phasenverschiebung im Stromnetz an.

Frequenz (Hz)

Aktuelle Netzfrequenz

Phasenangabe (P)

Zeigt die Phase an (1., 2. oder 3. Phase), die im Moment ausgewertet wird. Automatischer Wechsel der Phasendarstellung mit allen zugehörigen Werten.

Ampère (A)

Aktuelle Stromstärke, die von den angeschlossenen Geräten in Anspruch genommen wird.

Gesamtleistung (kWh)

Die im Display dargestellte Gesamtleistung wird unter der Berücksichtigung des Phasenwinkels errechnet.

Display:
```
2.77 kW  230V
50 Hz     15°
P 1 12,5A
1586,9kWh
```

BluENet
Metered Series

BlueNet Metered Plus
Strom- und Leistungsmessung über lokales Display

BlueNet Metered Plus (16 A / 230 V / 50 Hz)

Artikelnr.	Ausführung	Maße (L x B x H)
BlueNet Metered Plus		
integrierte Leistungsmessung, 2,0 m H05VV-F 3G 1,50 mm², schwarz, mit Schutzkontakt-Winkelstecker		
800.1658	24 x IEC320 C13; 4 x IEC320 C19 mit IEC-Lcok	ca. 1076 x 44 x 58

BlueNet Metered Plus (16A / 400V / 50 Hz)

Artikelnr.	Ausführung	Maße (L x B x H)
BlueNet Metered Plus		
integrierte Leistungsmessung, 3,0 m H05VV-F 5G 2,50 mm², schwarz, mit CEE-Stecker		
800.1659	24 x IEC320 C13; 3 x IEC320 C19 mit IEC-Lcok	ca. 1546 x 44 x 58

WiFi ANTENNE

Das WiFi/LAN Modul ist mit interner oder externer Antenne erhältlich.

STECKDOSEN

3 Schaltgruppen à 16 Ampère, manuell oder automatisiert last-, temperatur- und zeitab-hängig schaltbar. Zusätzliche Permanent-Steckdosen.

MODULARITÄT

Auf Wunsch sind alle BlueNet WiFi/LAN Produkte auch mit FI/RCD, FI/LS, Leitungsschutz-schalter, Gerätevollschutz oder beispielsweise Thermosiche-rung erhältlich.

KOMMUNIKATION

Neben einer Ethernetschnitt-stelle auch WiFi-Konnektivität (802.11 b/g/n) und DDNS Unterstützung.

WIFI/LAN MODUL

Leistungsmessung, Tempe-raturmessung, schaltbare Steckdosen, Webinterface, mobile App für Android und iOS.

ALARMFUNKTION

Meldung per E-Mail bei Über- oder Unterschreitung von elektrischer Arbeit, Leistung oder Temperatur. Messdaten als .csv Datei verfügbar.

WiFi/LAN Modul

Technologie
WiFi / LAN Modul

WiFi

WiFi / LAN

Netzwerk Router

LAN

www

Dynamic DNS

Schalten

Messen

Managen

· Drei Schaltgruppen à 16 Ampère
· Temperatur- und Leistungsmessung
· Lastmanagement und Kostenkontrolle
· Management über Webinterface und Smartphone App
· Fernzugriff über Internet via Dynamic DNS
· WiFi (802.11 b/g/n) und Ethernet Konnektivität

Vorteile im Überblick

WiFi/LAN Modul

Die Komplettlösung für kleine und mittlere IT-Anwendungen

Mit dem neuen BlueNet WiFi/LAN-Modul stehen nun drei separate Schalt- und Messgruppen für die erweiterte Leistungs- und Temperaturmessung, und das Schalten von einzelnen Steckdosen und kompletten Steckdosenleisten zur Verfügung. Das Managementinterface ist im Webserver integriert und wird per Webbrowser im Netzwerk oder mit Dynamic DNS über das Internet bedient. Für mobile Endgeräte gibt es die BlueNet-WiFi-App. Die maximale Schaltleistung beträgt dabei volle 16 Ampère pro Schaltgruppe. Geschaltet wird nicht nur manuell sondern auch automatisiert durch individuell einstellbare Last-, Temperatur- oder Zeit-Schwellenwerte.Das WiFi/LAN Modul kann in nahezu allen Bachmann Produkten integriert werden. Externe Temperatursensoren sind in Längen von 3,10 und 20 m als Zubehör erhältlich. Bei allen WiFi/LAN Produkten des Bachmann IT-Bereichs ist ein externer RP-SMA Antennenanschluss vorgesehen. Externe WiFi-Antennen sind ebenfalls als Zubehör erhältlich.

Das WiFi/LAN Modul ist kann dank seines kompakten Aufbaus in das modulare Bachmann System integriert und mit Stecksystemen, Basisprodukten und weiteren Komponenten kombiniert werden.

Manuelles Schalten

Per Internetbrowser oder Mobile App wird auf das WiFi/LAN-Modul zugegriffen. Eine statische oder dynamische IP-Adresse des lokalen Netzwerks wird dem WiFi/LAN-Modul zugeordnet. Ein dynamisches DNS wird voll unterstützt, wodurch der Zugriff auf gekoppelte WiFi/LAN Produkte mit allen Funktionen wie z. B. das Schalten der Schaltausgänge und die Kontrolle von Temperatur- sowie Leistungsdaten jederzeit auch aus der Ferne möglich ist. Je nach Produktvariation kann auch mit lokalen Tastern geschaltet werden.

Zeitgesteuertes Schalten

Das WiFi/LAN Modul bietet ein komfortables Programmieren der Zeitschaltuhr über den Webbrowser. Beim täglichen Schalten (ein/aus) wird nur die Uhrzeit eingegeben. Die Systemzeit der Steckdose kann täglich automatisch via Internet synchronisiert werden. Für wöchentliche Schaltvorgänge können die Wochentage eingestellt werden. Die Schaltaktionen (ein/aus) werden für jeden Zeitpunkt einzeln ausgewählt. Alle Einstellungen in einem eigenen Profil gespeichert. Bis zu vier Profile können mit dem WiFi/LAN Modul angelegt werden.

Temperaturüberwachung, Schwellenwertalarmierung und temperaturabhängiges Schalten

Die Umgebungstemperatur wird mit Hilfe des angeschlossenen Temperatursensors gemessen und direkt im Webbrowser und in der App angezeigt. Werden persönlich definierte Schwellenwerte über- oder unterschritten, werden automatisch E-Mails versendet. Grenzwerte, bei denen die ausgewählten Schaltgruppen automatisiert schalten, lassen mit Hilfe der WiFi/LAN Technologie z. B. ein Klimagerät oder einen Heizlüfter in einem bestimmten Temperaturbereich arbeiten.

Leistungsmessung, Schwellwertalarmierung und Lastabhängiges Schalten

Innerhalb des WiFi/LAN Moduls, wird die momentane elektrische Leistung der drei Schaltgruppen gemessen und via Webinterface oder App visualisiert. Auch hier ist automatisiertes Schalten nach einem frei definierbaren Wirkleistungs-Schwellenwert pro Schaltgruppe möglich. Bei Über- bzw. Unterschreiten der gemessenen Leistung oder elektrischen Arbeit, können ebenfalls automatisch E-Mails versendet werden

Keyfacts

· Messen von: Temperatur Spannung (V), Strom (A), cos Φ, Wirkleistung (W), Scheinleistung (VA) und Arbeit (kWh), Kosten (€)
· Schaltfunktion: manuell, nach Leistung, Temperatur oder Zeit; Drei Schaltgruppen à 16A
· Kommunikation: WiFi (802.11 b/g/n, Ethernet 10/100), Unterstützt DDNS
· SSL verschlüsselte Email-Meldungen bei Über- oder Unterschreiten von Schwellenwerten
· Integrierter Webserver mit grafischer Managementoberfläche
· Client-Applikationen für Android und iOS
· Optional mit interner oder externer Antenne
· Messgenauigkeit +/- 1%

App für das Smartphone oder den Tablet PC

Die App ist im Play Store (für Android) oder im App Store (für iOS) unter dem Namen BlueNet WiFi zu finden. Es werden die momentane Temperatur, die aktuellen Schaltzustände und die aktuellen Leistungsmessdaten angezeigt. Die Steckdosen können ein- und ausgeschaltet werden. Durch Eingabe einer Dynamic DNS Adresse ist dieser Funktionsumfang aus der Ferne via 3G oder 4G voll nutzbar.

Interface Smartphone
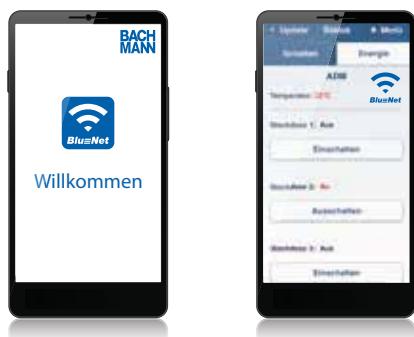
Interface Tablet

Interface Webseite

Anwendungsbeispiele WiFi/LAN

Sicherheit und Verfügbarkeit
Die kostengünstige Komplettlösung für Server-
räume oder kleinere IT-Infrastrukturen um zu
messen, schalten und managen.

Kostenkontrolle, Ressourcenplanung und Lastmanagement
mit dem WiFi/LAN Modul

Komfort und energiebewusstes Leben
durch automatische Steuerung von elektrischen
Verbrauchern wie Leuchten, Zirkulationspumpen
und Heizkörpern.

Sicherheit
durch Simulation von Anwesenheit und
E-Mail-Benachrichtigung oder automatisiertes
Abschalten. Zum Beispiel bei Über- oder Unter-
last oder voreingestelltem Temperaturwert.

Bequem und einfach
Verbraucher zu Einheiten zusammenfassen und via Mobile-App schalten, oder über Wochenprogramme automatisieren.

Sicherheit und Kostenkontrolle
Steuern und Überwachen von Büroverbrauchern mit WiFi/LAN Unterflur-Systemen, auch als einfach integrierbare Nachrüstlösung.

Komfort und smarte Technologie
Standby-Verbraucher bequem per App einzeln abschalten und Energie sparen, zum Beispiel beim Home Entertainment. Auf Steckdosen hinter Möbeln bequem zugreifen.
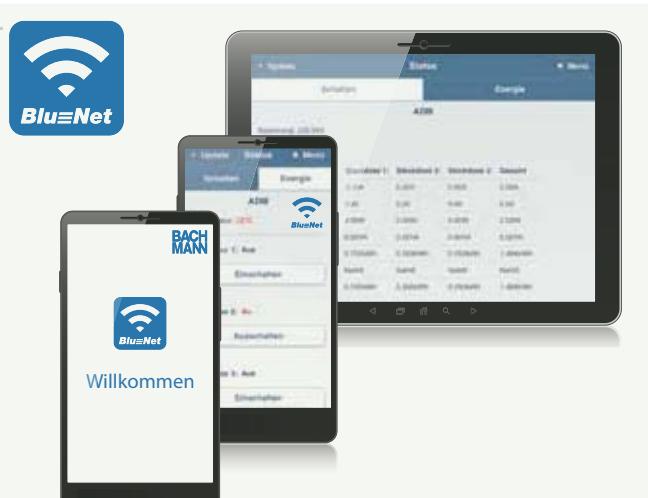
Steuerung und Kontrolle
aller Messwerte und Schaltzustände aus der Ferne mit der BlueNet WiFi App.

BlueNet Basic WiFi/LAN (WiFi/LAN Leistungsmessung)

· Leistungsmessung
· Temperaturüberwachung
· Schwellenwertalarmierung
Weitere Informationen finden Sie auf 37

Artikelnummer	Leitungstyp	Leitungsquerschnitt mm²	Leitungslänge (m)	Stecker	Phase(n)	Nennspannung (V)	Strom (A)	Max Power in kVA	C13	C19 IEC LOCK	SKD	UTE	T13	Outlets Gesamt	ab Lager	Abmessungen (LxBxH)
820.034	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7			3			3	ja	437 x 44,4 x 46,2
820.036	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7				3		3	ja	437 x 44,4 x 46,2
820.038	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7					3	3	ja	437 x 44,4 x 46,2
820.035	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7			6			6	ja	607 x 44,4 x 46,2
820.037	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7				6		6	ja	607 x 44,4 x 46,2
820.039	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7					6	6	ja	437 x 44,4 x 92,4
820.040	H05VV-F	3G1,5	2	CEE 16	1	230	16	3,7	24	3				27	ja	1245 x 44,4 x 46,2
820.041	H05VV-F	3G1,5	2	CEE 16	3	400	16	11	24	3				27	ja	1245 x 44,4 x 46,2
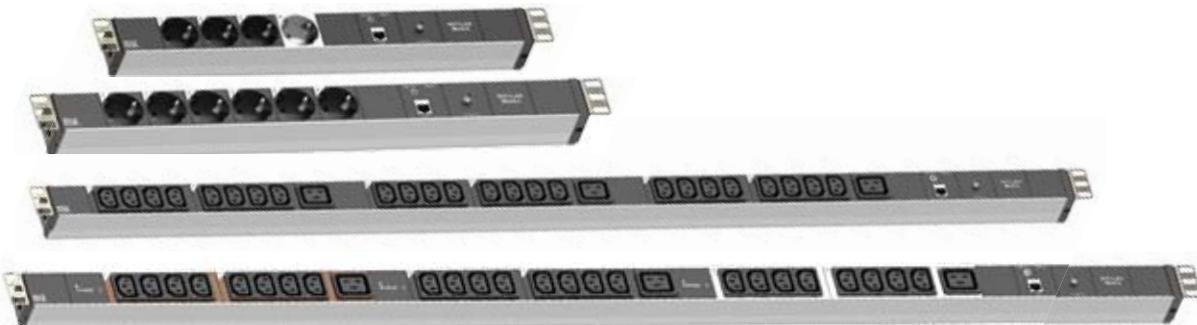
BlueNet Monitored PDU

Artikelnummer	Leitungstyp	Leitungsquerschnitt mm²	Leitungslänge (m)	Stecker	Phase(n)	Nennspannung (V)	Strom (A)	Max Power in kVA	C13	C19 IEC LOCk	Leitungsschutzschalter C16A	Outlets Gesamt	ab Lager	Länge
329.3056	H05VV-F	4	3	CEE	1	230	32	7,4	24	4	2	28	ja	1330,7mm
329.3057	H05VV-F	2,5	3	CEE	1	230	16	3,7	24	3		27	ja	1032,6mm
329.3058	H05VV-F	4	3	CEE	3	400	32	22,1	24	6	3	30	ja	1883mm
329.3059	H05VV-F	2,5	3	CEE	3	400	16	11,0	24	6		30	ja	1373mm

BlueNet Basic WiFi/LAN Managed

(Leistungsmessung, Schwellwertalarmierung und Lastabhängiges Schalten)

· Leistungsmessung
· Temperaturüberwachung
· Schwellenwertalarmierung
· Fernschalten
· Zeitgesteuertes Schalten
· Temperaturabhängiges Schalten
Weitere Informationen finden Sie auf Seite 37

Artikelnummer	Leitungstyp	Leitungsquerschnitt mm²	Leitungslänge (m)	Stecker	Phase(n)	Nennspannung (V)	Strom (A)	Max Power in kVA	SKD**	UTE	T13	Outlets Gesamt	ab Lager	Abmessungen (LxBxH)
820.028	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7	3			3	ja	437 x 44,4 x 46,2
820.030	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7		3		3	ja	522 x 44,4 x 46,2
820.032	H05VV-F	3G1,5	2	T12	1	230	16	3,7			3	3	ja	437 x 44,4 x 46,2
820.029	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7	6			6	ja	522 x 44,4 x 46,2
820.031	H05VV-F	3G1,5	2	SKS*	1	230	16	3,7		6		6	ja	607 x 44,4 x 46,2
820.033	H05VV-F	3G1,5	2	T12	1	230	16	3,7			9	9	ja	522 x 44,4 x 46,2

BlueNet PDU Basic PLC Monitored

Artikelnummer	Leitungstyp	Leitungsquerschnitt mm²	Leitungslänge (m)	Stecker	Phase(n)	Nennspannung (V)	Strom (A)	Max Power in kVA	C13	"C19 IEC LOCK"	Leitungsschutzschalter C16A	Outlets Gesamt	ab Lager
329.3111	H05VV-F	2,5	3	CEE	3	400	16	11,0	36			36	ja
329.3112	H05VV-F	4	3	CEE	1	230	32	7,4	24	4	2	28	ja
329.3113	H05VV-F	2,5	3	CEE	1	230	16	3,7	24	3		27	ja
329.3114	H05VV-F	4	3	CEE	3	400	32	22,1	24	6	6	30	ja
329.3115	H05VV-F	2,5	3	CEE	3	400	16	11,0	24	6		30	ja

*SKS=Schutzkontaktstecker   **SKD=Schutzkontaktsteckdose

WIFI/LAN Produkte

Artikelnr.	Ausführung
Handwerkerleiste mit WiFi/LAN Modul	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
820.004	- 3 Schutzkontaktsteckdosen, einzeln schaltbar - WiFi/LAN Modul
820.005	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - WiFi/LAN Modul
820.006	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - Überspannungsschutz + Netz- und Frequenzfilter - WiFi/LAN Modul
820.007	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - 2 Schutzkontaktsteckdosen, Dauerspannung - Überspannungsschutz + Netz- und Frequenzfilter - WiFi/LAN Modul

Artikelnr.	Ausführung
Connect Line mit WiFi/LAN Modul	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
820.012	- 3 Schutzkontaktsteckdosen, einzeln schaltbar - WiFi/LAN Modul
820.013	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - WiFi/LAN Modul
821.014	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - Überspannungsschutz + Netz- und Frequenzfilter - WiFi/LAN Modul
821.015	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - 2 Schutzkontaktsteckdosen, Dauerspannung - Überspannungsschutz + Netz- und Frequenzfilter - WiFi/LAN Modul

Artikelnr.	Ausführung
Consolidation Point mit WiFi/LAN Modul	
Stromeingang: GST18i3, 1-phasig, externe WiFi Antenne	
821.013	- 3 x 4 GST18i3 Buchse, in Dreiergruppen schaltbar - Buchsen in schwarz, rot und grau - WiFi/LAN Modul

Artikelnr.	Ausführung
STEP mit WiFi/LAN Modul	
Kunststoffgehäuse; Stromeingang: GST18i3 / Stromausgang: GST18i3	
820.017	- 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar - WiFi/LAN Modul

Zubehör WiFi/LAN

Artikelnr.	Beschreibung
BlueNet Monitored Zubehör	
820.045	Externer Temperaturfühler 3,0 m; Klinkenstecker 2,5 mm; Messbereich Fühler max. -50°C bis 110°C
820.046	Externer Temperaturfühler 10 m; Klinkenstecker 2,5 mm; Messbereich Fühler max. -50°C bis 110°C; wasserdicht IP88
820.047	Externer Temperaturfühler 20 m; Klinkenstecker 2,5 mm; Messbereich Fühler max. -50°C bis 110°C; wasserdicht IP88
820.048	RP-SMA WiFi Antenne; mit Kippgelenk; 802.11 b/g/n; Verstärkung 2dBi
820.049	RP-SMA WiFi Antenne; mit Kippgelenk; 802.11 b/g/n; Verstärkung 5dBi
820.050	RP-SMA WiFi Antenne; magnetischer u. gummierter Standfuß; 3 Positionen kippbar; Antennenkabel 1m; 802.11 b/g/n; Verstärkung 6dBi
820.051	SMA-RP Verlängerung 2,0m; Seite 1: SMA-RP Stecker; Seite 2: SMA-RP Buchse; schwarz
820.052	SMA-RP Verlängerung 5,0m; Seite 1: SMA-RP Stecker; Seite 2: SMA-RP Buchse; schwarz;

Leitungen in verschiedenen Farben zur Unterscheidung der Stromversorgung

Artikelnr.	Leitungs-farbe	Artikel Nr.	Leitungs-farbe	Leitungsquer-schnitt mm²	Leitungs-länge (m)	Stecker	Kupplung
356.119	schwarz	356.900	grau	1,0	0,50	C14	C13
356.169	schwarz	356.901	grau	1,0	0,75	C14	C13
356.120	schwarz	356.902	grau	1,0	1,00	C14	C13
356.170	schwarz	356.903	grau	1,0	1,50	C14	C13
356.171	schwarz	356.904	grau	1,0	2,00	C14	C13
356.172	schwarz	356.905	grau	1,5	0,50	SKS*	C13
356.1721	schwarz	356.906	grau	1,5	0,75	SKS*	C13
356.1722	schwarz	356.907	grau	1,5	1,00	SKS*	C13
356.1723	schwarz	356.908	grau	1,5	1,50	SKS*	C13
356.1724	schwarz	356.909	grau	1,5	2,00	SKS*	C13
356.1731	schwarz	356.910	grau	1,5	0,50	C20	C19
356.1732	schwarz	356.911	grau	1,5	0,75	C20	C19
356.1733	schwarz	356.918	grau	1,5	1,00	C20	C19
356.1734	schwarz	356.935	grau	1,5	1,50	C20	C19
356.1735	schwarz	356.936	grau	1,5	2,00	C20	C19
356.1971	schwarz	356.937	grau	1,5	0,50	SKS*	C19
356.1972	schwarz	356.938	grau	1,5	0,75	SKS*	C19
356.1973	schwarz	356.939	grau	1,5	1,00	SKS*	C19
356.1974	schwarz	356.940	grau	1,5	1,50	SKS*	C19
356.1975	schwarz	356.941	grau	1,5	2,00	SKS*	C19

*SKS=Schutzkontaktstecker

Messung

Strom, Leistung (Wirk-, Schein-, Blind-leistung), Energieverbrauch, Spannung, Frequenz, Powerfaktor, N-Leiter

ESC | ACTIVE CURRENT | ⬆

L1 12.1 A
L2 12.0 A
L3 11.4 A

⬅ | Blu≡Net | ⬇

Integriertes Display

Auf Rackebene die wichtigsten Messwerte im Überblick.

Drehbares Display

Das Display kann zur besseren Lesbarkeit in 90° Schritten gedreht werden.

Übersicht

Zeigt die Messwerte aller Phasen im Überblick an.

Blättern

Über die frontseitig angebrachten Tasten kann zwischen den verschiedenen Messwerten durchgeblättert werden.

BlueNet BN3000 (Master / Slave)
16-32A / 230-400 V / 50Hz

BlueNet BN3000 stellt die nächste Generation der BlueNet Produkte dar. Ein optimierter Formfaktor, über Modbus kaskadierbare PDUs und ein drehbares OLED Display schaffen beste Vorraussetzungen für das Energiemonitoringsystem der Zukunft.
Bequem vom Arbeitsplatz aus, wird mit den BlueNet Produkten das Stromnetz des Rechenzentrums überwacht und ferngesteuert. Die Verfügbarkeit des Rechenzentrums wird mit BlueNet erhöht, Ausfallzeiten minimiert und Kosten gespart.
Mit BlueNet werden Strom-, Spannungs- und Leistungswerte überwacht. Dies ermöglicht eine effiziente Planung von Ressourcen und eine Alarmierung im Fehlerfall.

Vorteile im Überblick

· PDUs kaskadierbar über Modus. Es wird nur ein Ethernet-Anschluss für 10 PDUs benötigt.
· Äußerst kompakte Baumform (1HE breit x 60mm tief)
· Drehbares OLED Display
· Stabiles Gehäuse aus verwindungssteifem Alu-Profil
· 1-phasige und 3-phasige Ausführungen
· Leistungsbereich von 3,6 KW - 22 kW
· Farbige Phasenzuordnung der Steckdoseneinsätze
· Messung von: Strom, Leistung (Wirk-, Schein-, Blindleistung), Energieverbrauch,
  Spannung, Frequenz, Powerfaktor, N-Leiter
· Messung pro Phase
· Anschlussmöglichkeit für externe Sensoren (Temperatur / Luftfeuchtigkeit)
· Bedienung lokal oder per Webbrowser über Ethernet Port
· Protokolle: HTTP,vSNMP, Ethernet 10/100 MBit/s, DHCP, NTP
· Messgenauigkeit +/- 1 %
· Eigenverbrauch < 4 Watt

BlueNet BN3000 (Master / Slave)
16-32A / 230-400 V / 50Hz

Artikelnummer	Artikelnummer Slave Variante	Leitungstyp	Leitungsquerschnitt mm²	Leitungslänge (m)	Stecker	Phase(n)	Nennspannung (V)	Strom (A)	Max Power in kVA	C13	C19	SKD**	Outlets gesamt	ab Lager
802.3004	802.3004-S	H05VV-F	2,5	3	CEE*	1	230	16	3,7	16	4	4	20	ja
802.3005	802.3005-S	H05VV-F	4	3	CEE	1	230	32	7,4	16	4	4	20	ja
802.3006		H05VV-F	2,5	3	CEE	1	230	16	3,7	16	0	0	20	ja
802.3007		H05VV-F	4	3	CEE	1	230	32	7,4	16	0	0	20	ja
802.3008		H05VV-F	2,5	3	CEE	3	400	16	11,0	0	6	6	6	ja
802.3009		H05VV-F	4	3	CEE	3	400	32	22,1	0	6	6	6	ja
802.3010		H05VV-F	2,5	3	CEE	3	400	16	11,0	18	3	3	21	ja
802.3011		H05VV-F	2,5	3	CEE	3	400	16	11,0	18	0	0	21	ja
802.3012	802.3012-S	H05VV-F	2,5	3	CEE	3	400	16	11,0	24	6	6	30	ja
802.3013	802.3013-S	H05VV-F	4	3	CEE	3	400	32	22,1	24	6	6	30	ja
802.3014		H05VV-F	2,5	3	CEE	3	400	16	11,0	24	0	0	30	ja
802.3015		H05VV-F	4	3	CEE	3	400	32	22,1	24	0	0	30	ja
802.3016		H05VV-F	2,5	3	CEE	3	400	16	11,0	24	6	6	36	ja
802.3017		H05VV-F	4	3	CEE	3	400	32	22,1	24	6	6	36	ja
802.3018	802.3018-S	H05VV-F	2,5	3	CEE	3	400	16	11,0	36	6	6	42	ja
802.3019	802.3019-S	H05VV-F	4	3	CEE	3	400	32	22,1	36	6	6	42	ja
802.3020		H05VV-F	2,5	3	CEE	3	400	16	11,0	36	0	0	42	ja
802.3021		H05VV-F	4	3	CEE	3	400	32	22,1	36	0	0	42	ja

802.3019

802.3018

802.3013

802.3012

802.3010

802.3005

Die Messeinheit ist im Betrieb austauschbar ohne die Stromversorgung der angeschlossenen Geräte zu unterbrechen.

Es werden nur drei Höheneinheiten verbraucht.

Frontseitig auf dem LC-Display können Strom, Wirkleistung, Spannung, Frequenz, Phasenwinkel und Energie abgelesen werden. Über LEDs wird angezeigt, ob auf den jeweiligen Phasen Spannung anliegt.

Ein integrierter Ethernetport ermöglicht die Abfrage der Werte und das Setzen von Alarmschwellwerten über einen Webbrowser oder SNMP.

Bis zu 12 Leitungsschutzschalter bieten optimalen Schutz und Zugriff direkt im Rack.

BlueNet Power Unit 3HE
inkl. integrierten Sicherungen (modular)
16-32A / 230-400 V / 50Hz

Die BlueNet POWER UNIT bietet eine modulare Plattform für Power Distribution in Rechenzentren. Die POWER UNIT Grundeinheit dient zur Stromverteilung im Rack. Die Messeinheit kann bei Bedarf, im laufenden Betrieb, ohne Unterbrechung der Stromversorgung nachgerüstet oder ausgetauscht werden. Mit der 3HE Power Unit bieten wir eine modulare Plattform um individuellen Ansprüchen in modernen Rechenzentren gerecht zu werden.

Vorteile im Überblick

· Leistungsbereich von 3,6 KW - 44 KW, 1-phasig (CEE oder IEC320) oder 3-phasig,
· Zwei voneinander galvanisch getrennte Einspeisungen (16-32A / 230-400V)
· Messung von: Strom je Phase & Summe, Wirkleistung je Phase & Summe, Spannung, Frequenz, Phasenwinkel, Energieverbrauch, Neutralleiter
· Bedienung per Webbrowser
· Aktive Alarmierung per Mail oder SNMP Trap
· Verschlüsselte Datenkommunikation
· Protokolle: HTTP, SNMP, Ethernet 10/100 MBit/s, DHCP, NTPAnzeige auf beleuchtetem, rollierendem LC-Display
· Stabiles 19" Stahlblechgehäuse
· Messgenauigkeit +/- 1 %
· Absicherung mit bis zu 12 LS Automaten

BlueNet Power Unit 32A / 400V / 50 Hz

IT PDU Basic 1HE
9xSchutzkontaktsteckdose

IT PDU Basic 1HE
9xSchutzkonstaktsteckdose

Versorgung A
32 A / 400 V / 50 Hz

Versorgung B
32 A / 400 V / 50 Hz

BlueNet Power Unit 3HE mit
Messeinheit
329.9024 + 329.9022
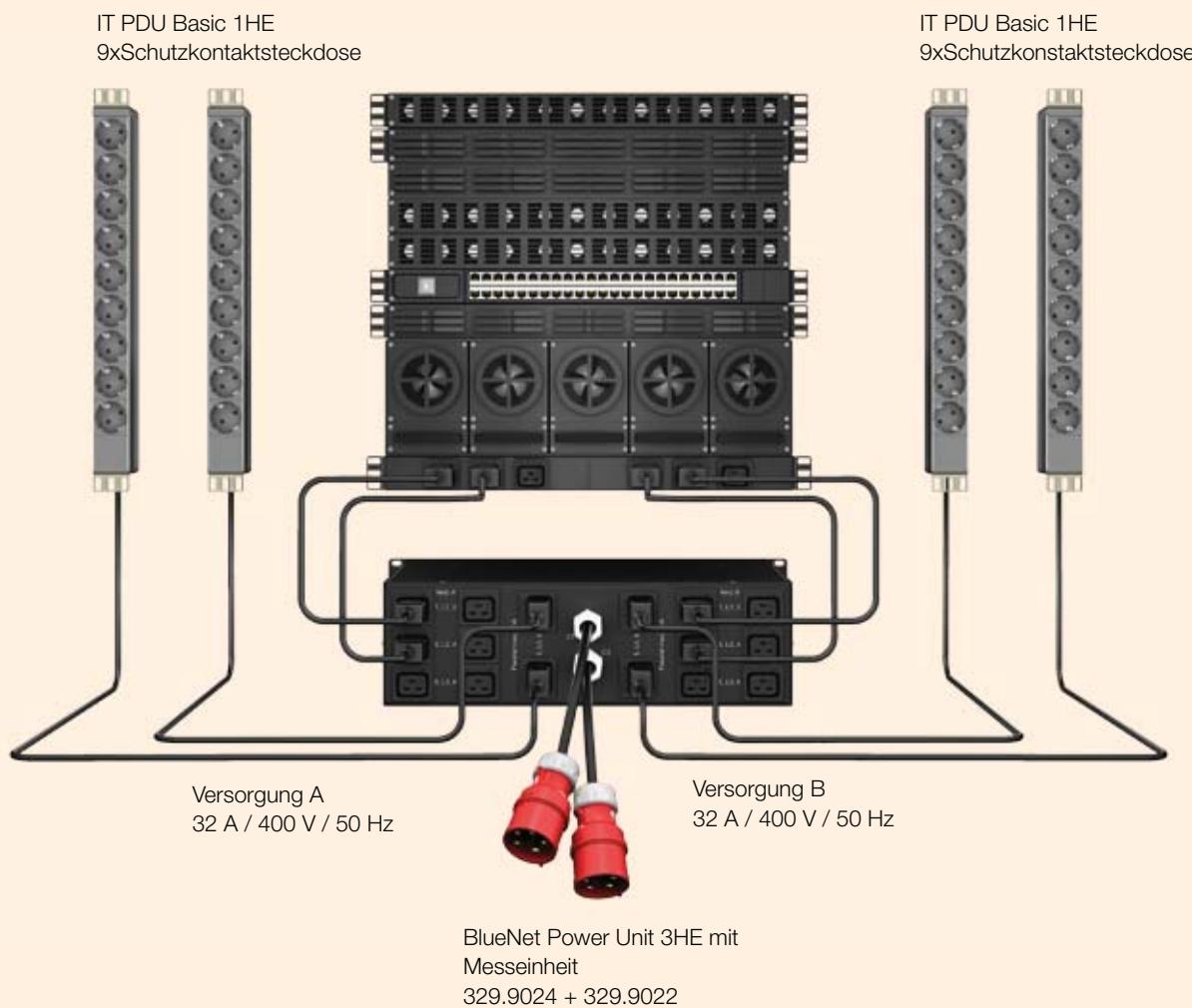
BlueNet Power Unit 3HE Grundeinheit (Messeinheit separat erhältlich)

Artikelnr.	Eingang	Ausgang
BlueNet Power Unit 3 HE Grundeinheit		435,6 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 mit IEC-Lock

BlueNet Power Unit 3HE Grundeinheit Messeinheit

Artikelnr.	Eingang
BlueNet Power Unit 3HE Messeinheit	
mit integriertem Ethernetanschluss	
329.9022	16 - 32 A / 400 V

Zubehör

Befestigungswinkel für Standard 1 HE Profile

· Mittels Schraubverbindung werden die Winkel an der Endkappe der PDU verschraubt
  (Schrauben werden mitgeliefert).

Artikelnr.	Ausführung
Befestigungswinkel 1 HE	
19", Zero-U Space	
940.142	· Befestigungswinkel links und rechts

Befestigungswinkel > 1 HE	
19", Zero-U Space	
940.096	· Befestigungswinkel links und rechts

Befestigungswinkel für die VM Profilvariante / Zero U-Space Montage

· Befestigung an der Steckdosenleiste durch Einschieben in die vorgesehene Profilnut.
· Keine zusätzlichen Schrauben notwendig.

Artikelnr.	Ausführung
Befestigungswinkel 1 HE	
19", Zero-U Space	
940.141	· Montagewinkel links und rechts

Befestigungswinkel 1 HE	
Zero-U Space	
940.143	· Montagewinkel links und rechts

Verbindungslasche 1 HE	
Zero-U Space	
800.0053	· Zur Verbindung zweier vertikal montierter PDUs

Verriegelungslasche

Artikelnr.	Ausführung
Verriegelungslaschen	
940.103	· Verriegelungslasche rot für IEC 320-Kaltgerätedosen C13, VPE 12 St.

Anschlussleitung für Verriegelung

Artikelnr.	Ausführung
Anschlusskabel für Verriegelung	
356.119	· Anschlusskabel 0,5 m schwarz, H05VV-F 3G 1,0 mm²
	· Seite 1: Kaltgerätestecker gespritzt IEC C14
	· Seite 2: Kaltgerätedose gespritzt IEC C13
356.120	· Anschlusskabel 1,0 m schwarz, H05VV-F 3G 1,0 mm²
	· Seite 1: Kaltgerätestecker gespritzt IEC C14
	· Seite 2: Kaltgerätedose gespritzt IEC C13

Verschlusskappe IEC320 C13 & C19

Artikelnr.	Ausführung
Anschlusskabel für Verriegelung	
800.0050	C19 Verschlusskappen 10 St. inkl. Entriegelungswerkzeug
800.0051	C13 Verschlusskappen 10 St. inkl. Entriegelungswerkzeug
800.0052	Entriegelungswerkzeug für Verschlusskappe

RackFix werkzeuglose Montage an der 19" Schiene

· Selbstsichernde Befestigungsstecker zur werkzeuglosen Befestigung von PDUs im 19" Rack

Artikelnr.	Ausführung
RackFix werkzeuglose Rackbefestigung	
940.166	Befestigungsclip VPE 50 Stück
940.167	Demontagewerkzeug für Befestigungsclip

Schaltsperre

· Zum Schutz gegen unbeabsichtigtes Schalten von Leitungs- und FI- Schutzschalter

Artikelnr.	Ausführung
Schaltsperre	
940.140	· Betätigungssperre für Sicherungsautomaten und Schalter, 1-polig, zum Schutz gegen unerlaubtes oder Gefahren bedingtes Betätigen des Schalthebels

Datenleitungen –> Übertragung von Daten innerhalb verschiedener Kategorien

Artikelnr.	Länge	Ausführung
CAT5e Patch-Leitung Stecker / Stecker		
918.003	1,0 m	· Leitung CAT5e geschirmt, Farbe grau
940.052	3,0 m	· gemäß ISO / IEC 11801 und EN 50173
940.053	5,0 m	· Seite 1 und 2: Stecker RJ45 mit Knickschutztülle und Schutzlasche für Verriegelung
		· passend z.B. für die CAT5e Buchse / Buchse 940.057
CAT6 Patch-Leitung Stecker / Stecker		
940.040	3,0 m	· Leitung CAT6 geschirmt, Farbe grau
940.041	5,0 m	· gemäß ISO / IEC 11801 und EN 50173
		· Seite 1 und 2: Stecker RJ45 mit Knickschutztülle und Schutzlasche für Verriegelung
		· passend z.B. für die CAT6 Buchse / Buchse 940.044
CAT6a Patch-Leitung Stecker / Stecker		
918.006	1,0 m	· Leitung CAT7 geschirmt, Farbe schwarz
918.007	3,0 m	· gemäß IEC 61156-6
918.008	5,0 m	· Seite 1 und 2: Stecker RJ45 Hirose TM12 CAT6a mit Knickschutztülle und Entriegelungslasche
		· passend z.B. für die CAT6 Buchse / Buchse 940.044
CAT6a Patch-Leitung Stecker		
918.033	3,0 m	· Leitung CAT7 geschirmt, Farbe schwarz
918.034	5,0 m	· gemäß IEC 61156-6
		· Seite 1: Stecker RJ45 Hirose TM12 CAT6a mit Knickschutztülle und Entriegelungslasche. Seite 2: Buchse CAT6a TKM 10GB Keystone.
		· einbaubar in die Keystone Rahmen 917.000 / 917.001 / 917.061 / 917.062
RJ12 Patch-Leitung Stecker / Stecker		
940.089	3,0 m	· Leitung RJ12 ungeschirmt, Farbe schwarz
		· gemäß ISO / IEC 11801 und EN 50173
		· Seite 1 und 2: Stecker RJ12 mit Knickschutztülle
		· passend z.B. für die RJ12 Buchse / Buchse 940.085

CONNECTLINE
Design für das zu Hause

ConnectLine, ohne Schalter

Artikelnr.	Ausführung
ConnectLine 4x Schutzkontakt-Steckdosen, schwarz	**2 m Zuleitung**
Kunststoffprofil schwarz; 2,0 m Zuleitung H05VVF-F3G1,5mm² mit Schutzkontakt-Winkelstecker	
420.0017	· 4x Schutzkontakt-Steckdose, wiederanschließbar
420.0018	· 6x Schutzkontakt-Steckdose , wiederanschließbar
420.0019	· 8x Schutzkontakt-Steckdose, wiederanschließbar

ConnectLine, mit Schalter

Artikelnr.	Ausführung
ConnectLine 4x Schutzkontakt-Steckdosen, schwarz	**2 m Zuleitung**
Kunststoffprofil schwarz; 2,0 m Zuleitung H05VVF-F3G1,5mm² mit Schutzkontakt-Winkelstecker	
420.0012	· 4x Schutzkontakt-Steckdose mit Schalter, wiederanschließbar
420.0013	· 5x Schutzkontakt-Steckdose mit Schalter, wiederanschließbar
420.0014	· 7x Schutzkontakt-Steckdose mit Schalter, wiederanschließbar
420.0021	· 5x Schutzkontakt-Steckdose; mit Schalter, wiederanschließbar USB-Doppelcharger 2.0, 2,15A (zum Laden von Smartphones und PC-Tabletts)
420.0022	· 5x Schutzkontakt-Steckdose; mit Schalter, wiederanschließbar Überspannungsschutz 6,5kA, optische Funktions- und Ausfallanzeige

Haltewinkel flexibel montierbar

Vorteile im Überblick

· Kompakte Steckdosenleiste
· Große Produktfamilie
· Haltewinkel inklusive, flexibel montierbar
· USB-Charger oder Überspannungsschutz
· Flexible Montagemöglichkeit
· Plug-and-Play

Einzeln
schaltbare
Steckdosen

Zuleitung gegenüber Schalter

HANDWERKERLEISTE
Robust. Praktisch. Hochwertig.

Handwerkerleiste

| Artikelnr.	Ausführung
Handwerkerleiste mit abschaltbaren Steckdosen	
Steckdosen um 90° gedreht; Schalter grün Zuleitung 2,0m H05VV-F 3G1,5mm² schwarz mit Schutzkontakt Winkelstecker	
300.049	· 4x Schutzkontaktsteckdosen
	· Jede Steckdose einzeln abschaltbar
300.050	· 6x Schutzkontaktsteckdosen
	· Jedes Steckdosenpaar einzeln abschaltbar

Handwerkerleiste mit gegenüberliegender Zuleitung	
Steckdosen um 90° gedreht; Schalter grün Zuleitung 2,0m H05VV-F 3G1,5mm² schwarz mit Schutzkontakt Winkelstecker	
300.008	· 6x Schutzkontaktsteckdosen
	· Zuleitung und Schalter gegenüberliegend

· 15 mm Abstand zwischen den Steckdosen
· Steckdosen um 90° gedreht
· Einzeln bzw. paarweise abschaltbare Steckdosen
· Zuleitung gegenüber Schalter, ideal hinter Möbeln und am Arbeitsplatz
· Anschraublöcher für einfache Montage
· Zusätzlicher Erdleiteranschluss möglich ohne
  das Gehäuse zu öffnen

**Vorteile
im Überblick**

Doppel
USB-Charger

Netz- und
Frequenzfilter

Überspannungs-
schutz

2-poliger
Schalter

15 mm Steck-
dosenabstand

Robustes
Aluminiumprofil
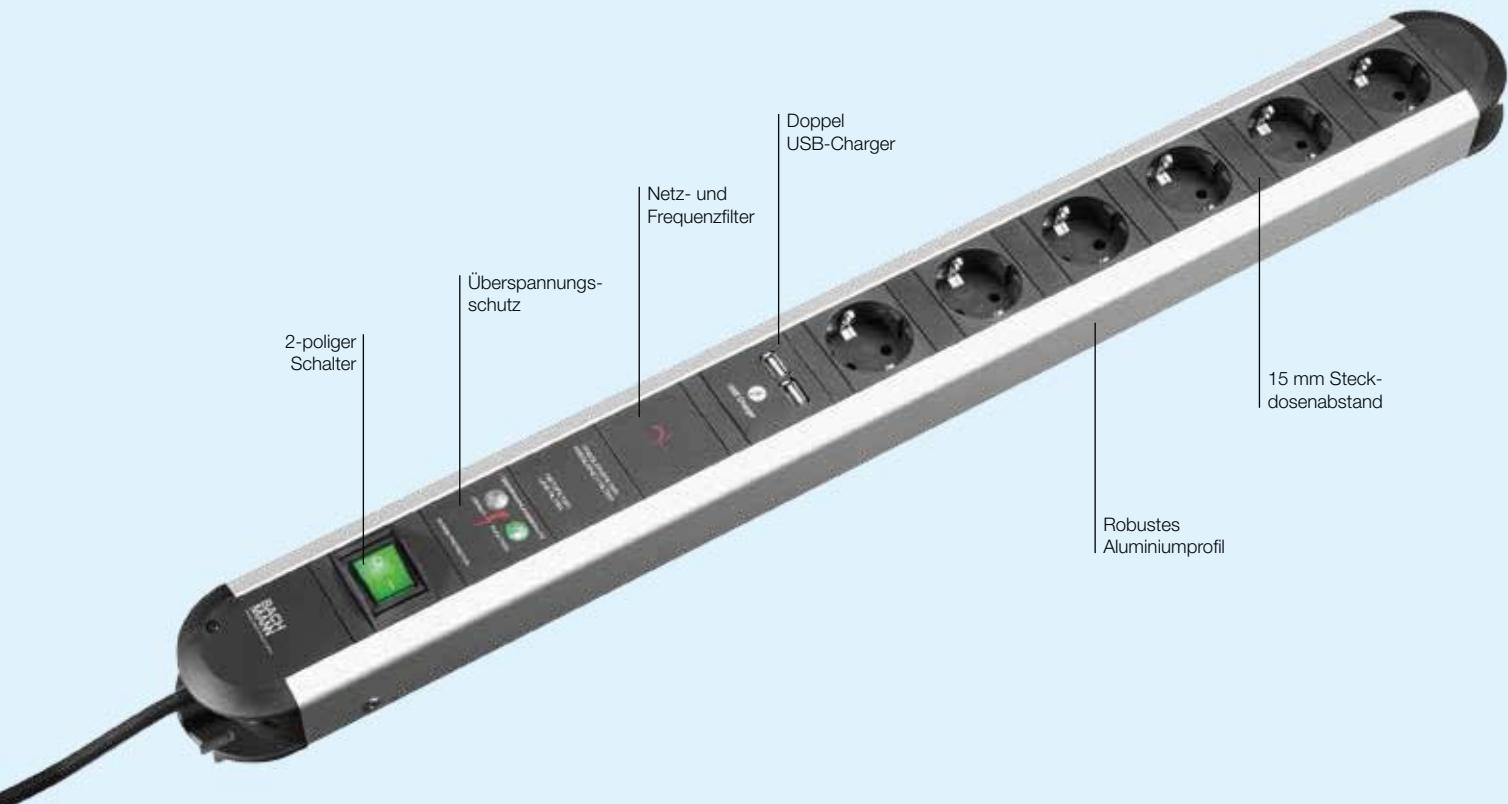
PRIMO Steckdosenleiste
Überspannungsschutz, Netz- & Frequenzfilter,
USB Doppel-Charger

Artikelnr.	Ausführung

| **PRIMO Steckdosenleistste Gerätevollschutz**	
Überspannungsschutz, Netz- und Frequenzfilter, USB-Doppel-Charger	
331.055	· Überspannungsschutz
	· Netz- und Frequenzfilter mit Funktiondisplay und Ausfallanzeige
	· USB-Doppel-Charger 4,75V-5,25V; max 2A
	· 6x Schutzkontaktsteckdose 90° schwarz
	· 15 mm Abstand zwischen den Steckdosen
	· Wiederanschließbar
	· Zuleitung 1,75m H05VV-F 3G1,5mm²
	mit angespritztem Schutzkontakt-Winkelstecker, schwarz
	· Länge ca. 690 mm

Vorteile
im Überblick

· Überspannungsschutz nach DIN VDE 0620-1:01-2002, EN 61643-11:08-2007, Typ 3,
· Netz- und Frequenzfilter nach VDE 0565-3:05-2006 für Spannungsspitzen bis 30 MHz
· 2.150 mA Ladestrom
· Für Smartphone, Tablett-PC, Digitalkamera & Co.
· Fest verbaut, dadurch keine separaten Netzteile notwendig
· Bequemes Laden
· 6x Schutzkontaktsteckdose 90°
· 15 mm Steckdosenabstand

GREEN

5x Slave-Steckdosen

Master-Steckdose

Dauerstrom
für beispielsweise Telefon und Fax
(von Abschaltautomatik entkoppelt)

Flexible Anschlussleitung
mit 2 m Länge inklusive

Abschaltautomatik

Robustes
Aluminiumprofil

Fußtrittschalter
mit 2 m Leitung
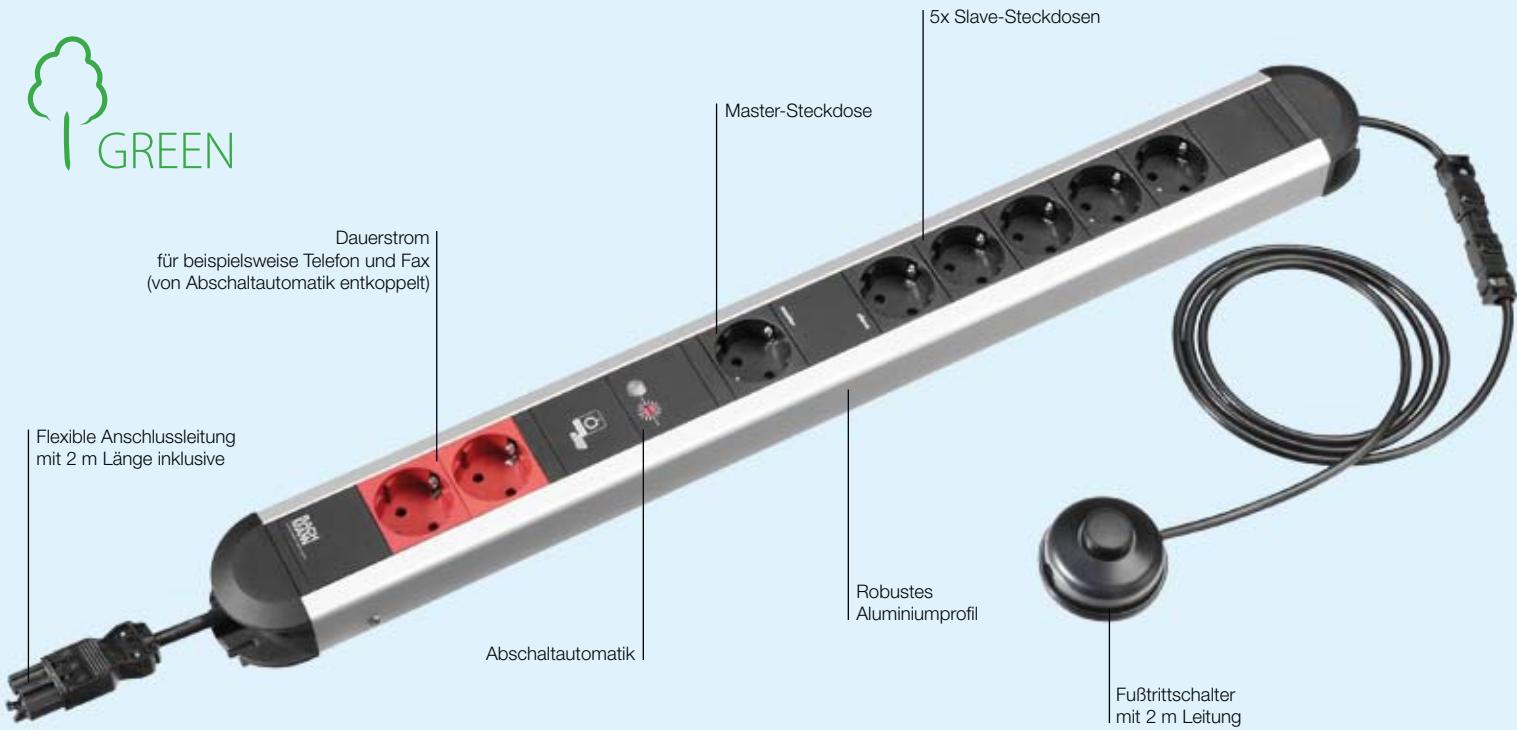
PRIMO Steckdosenleiste
Mit Intelligenter Abschaltautomatik

Artikelnr.	Ausführung
PRIMO Steckdosenleistste mit Abschaltautomatik	
1x Master, 5x Slave, 2x Dauerbetrieb (rot)	
331.089	· 2x Schutzkontaktsteckdosen 35° rot
	· 1x Schutzkontaktsteckdose 35° schwarz Master
	· 5x Schutzkontaktsteckdosen 35° schwarz Slave
	· 1x 0,1m H05VV-F 3G1,5mm² mit GST18i3 Stecker
	· 2 m Zuleitung H05VV-F 3G1,5mm² mit Schutzkontakt-Winkelstecker beigelegt
	· 1x 0,1m H05VV-F 2G0,75mm² schwarz mit GST15/2 Stecker
	· Fußtrittschalter mit 2 m Zuleitung H05VV-F 2G0,75mm²
	· Länge ca. 670mm

· Keine Ruhestromaufnahme des Master Geräts, kein Stromverbrauch während der Nichtnutzungsdauer.
· Trennt 30 Sekunden nach dem Abschalten des an der Master-Steckdose angeschlossenen Gerätes dieses,
  sowie auch alle an die Slave-Steckdosen angeschlossenen Geräte (z. B. PC, TV) automatisch vom Stromnetz.
· Die zwei roten Steckdosen sind von der Abschaltautomatik entkoppelt, um die Stromversorgung der
  angeschlossenen Geräte (z.B. IP Telefon, Fax, Festplattenrekorder etc.) dauerhaft in Betrieb zu halten.
· Zur Wiederherstellung der Stromversorgung wird einfach der Taster gedrückt.
· Flexible Länge der Anschlussleitung über Wieland Anschluss-System GST18

Vorteile
im Überblick

Schaltbare Steckdosen:
Bis zu drei Schaltgruppen
à 16A/230V AC

Funkmodul:
1 oder 3 separat
schaltbare 16A Relais.
Einsatz in vielen
Basis-Produkten möglich

Funkfernbedienung
für 3 Kanäle. Pro Kanal
2 Empfänger möglich.

Permanent-Steckdosen:
Dauerspannung für
kritische Verbraucher

Gewohnte Modularität:
Zusätzlicher Gerätevollschutz,
USB Charger oder Hauptschalter
möglich.

868 MHz Funkmodule
Fernschalten mit Fernbedienung

Die Funkmodule, basierend auf einem proprietären 868 MHz ISM Band Funkstandard, ermöglichen manuelles Fernschalten von Steckdosen. Durch die optimierte Modulgröße ist der Einsatz des Funkmoduls in nahezu allen Bachmann-Produkten möglich. Ein besonderes Augenmerk haben wir auf Funk-Reichweite, Funk-Durchdringung und Schalt-Zuverlässigkeit gelegt.

DAS FUNKMODUL IST IN VIER VARIANTEN ERHÄLTLICH
· Basis Funk-Modul mit einem Relais (16A Schaltleistung)
· Basis Funk-Modul mit drei Relais (à 16A Schaltleistung, einzeln schaltbar)
· SART Funk-Modul mit einem Relais (16A Schaltleistung)
· SART Funk-Modul mit drei Relais (à 16A Schaltleistung, einzeln schaltbar)

EINFACHE BEDIENUNG, HOHE FLEXIBILITÄT
Unsere Fernbedienung ist durch ein einfaches und ohne Taster bzw. ohne Hardwarecodierung auskommendes Verfahren auf die Funkmodule anzulernen. Es stehen drei Schaltgruppen auf der Fernbedienung zur Verfügung, welche mit jeweils zwei Funkmodulen zu belegen sind und somit eine Fülle an möglichen Schaltszenarien bieten. Der flexible und komfortable Einsatz unserer Funktechnologie zeigt sich beispielsweise beim Schalten der Gartenbeleuchtung, Teich- oder Umwälzpumpen (Heizung), Geräten hinter Möbeln oder in anderen schwer zugänglichen Bereichen, Raumbeleuchtung, Stand-by Geräten (z.B. Unterhaltungselektronik).

Vorteile im Überblick

· Einfache Einrichtung und Bedienung
· Hohe Funk-Durchdringung und -Zuverlässigkeit
· Flexibler Einsatz
· Funk-Reichweite min. 50m Freifeld

Artikelnr.	Ausführung

Handwerkerleiste mit 868 MHz Funkmodul

1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter

Artikelnr.	Ausführung
821.000	· 3 Schutzkontaktsteckdosen, gemeinsam schaltbar · Funkmodul mit einer Schaltgruppe
821.001	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Funkmodul mit einer Schaltgruppe
821.002	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · Funkmodul mit einer Schaltgruppe
821.003	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · Funkmodul mit drei Schaltgruppen

Connect Line mit 868 MHz Funkmodul

1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter

Artikelnr.	Ausführung
821.008	· 3 Schutzkontaktsteckdosen, gemeinsam schaltbar · Funkmodul mit einer Schaltgruppe
821.009	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Funkmodul mit einer Schaltgruppe
821.010	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · Funkmodul mit einer Schaltgruppe
821.011	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · Funkmodul mit drei Schaltgruppen

Consolidation Point Units 868 MHz Funkmodul

Consolidation Point Units passiv und mit Funkmodul

Artikelnr.	Ausführung
919.2015	· Funkmodul mit einer Schaltgruppen · Rückseitig 1x GST18i3 Ausgang · Einspeisung 1x GST18i3 1-phasig
919.2016	· Funkmodul mit 3 Schaltgruppen · Rückseitig 3x GST18i3 Ausgang · Einspeisung 1x GST18i3 1-phasig
919.2002	· 12x GST18i3 Buchse; , zur Nutzung mit 919.2015 · Gruppen in schwarz, rot und grau · Rückseitige Einspeisung 1x GST18i3
919.2013	· 3 x 4 GST18i3 Buchse, zur Nutzung mit 919.2016 · Gruppen in schwarz, rot und grau · Rückseitige Einspeisung 3x GST18i3

Artikelnr.	Ausführung
Consolidation Point Halterung	
919.1101	· Consolidation Point Halterung
	· Lang (für Units mit 6Modulen)

Artikelnr.	Ausführung
Consolidation Point mit 868 Mhz Funkmodul	
Stromeingang: GST18i3, 1-phasig	
821.012	· 12 x GST18i3 Buchse, gemeinsam schaltbar
	· Buchsen in schwarz
821.013	· Funkmodul mit einer Schaltgruppe
	· 3 x 4 GST18i3 Buchse, in Dreiergruppen schaltbar
	· Buchsen in schwarz, rot und grau
	· Funkmodul mit drei Schaltgruppen

| Artikelnr.	Ausführung
STEP mit 868 MHz Funkmodul	
Kunststoffgehäuse; Stromeingang: GST18i3 / Stromausgang: GST18i3	
821.014	· 3 Schutzkontaktsteckdosen, gemeinsam schaltbar
	· Funkmodul mit einer Schaltgruppe
821.016	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar
	· Funkmodul mit einer Schaltgruppe
821.015	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar
	· Funkmodul mit drei Schaltgruppen

Artikelnr.	Ausführung
Zubehör Funk-Fernschaltmodule	
Funkfernbedienung zum Schalten der Funkmodule, kompatibel mit Standardt- und SART Modulen	
821.017	· 3 Gruppen mit je 2 Tasten (EIN/AUS)
	· Status LED
	· 3 Tasten für Pairing-Verfahren
	· Solides Design
	· Betrieben mit 2x Micro AAA Batterie

Strom-Nulldurchgangschalter
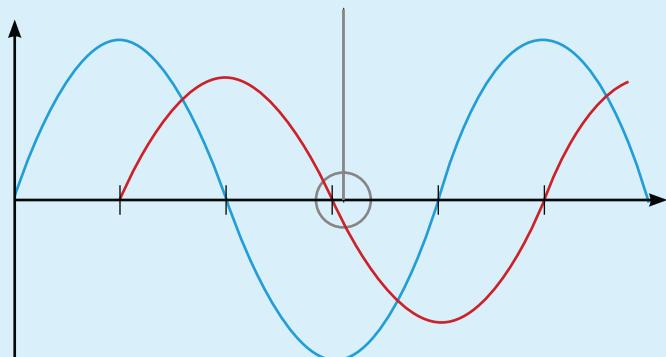
· Smart Adaptive Relay Triggering
· Schalten im Strom-Nulldurchgang
· Permanente Korrektur des Schaltzeitpunktes
· 500.000 Schaltspiele und mehr unter Volllast
· Zuverlässiger und langlebiger Relais-Betrieb

SART-Technologie
in 868 MHZ Funkmodulen

Erhöhte Haltbarkeit von Relais durch SART-Technologie:
SART schont Kontakte. Um bei hohen Schaltlasten (230 V, 16 A) Funkmodule mit miniaturisierten Relais sicher, zuverlässig und lange betreiben zu können, wurden diese optional mit integrierter SART- (Smart Adaptive Relay Triggering) Technologie entwickelt.

Die SART Technologie zielt im Wesentlichen darauf ab, dass die Relaiskontakte im Stromnulldurchgang an- und abgeschaltet werden. Dies ist bei ohmschen Lasten recht einfach, da der Spannungsnulldurchgang generell zur Ansteuerung zur Verfügung steht. Bei phasenverschobenen Lasten kann dies äußerst kontraproduktiv wirken, da lange und energiereiche Lichtbögen entstehen können, die die Relaiskontakte stark beschädigen - oder das Relais und somit das gesamte Produkt unbrauchbar machen.

Die SART-Technologie besteht aus folgenden Kernfunktionalitäten:

· Permanente µController-basierte hochfrequente Erfassung von Strom, Spannung und Phasenlage
· Einschalten der Relais im lastfreien Spannungsnulldurchgang
· Permanente Korrektur des Schaltzeitpunktes bzgl. der Anzugs- und Abfallzeiten der Relais über die Lebensdauer
  (Flugzeit erhöht sich mit dem Kontaktabbrand)
· Ausschalten der Relais im lastfreien Stromnulldurchgang
· Erkennung & Fallunterscheidungen zwischen zwar phasenverschobenen, aber permanent sinusförmigen Strömen und
  stoßförmigen Belastungen, wie z.B. in Schaltnetzteilen und Phasenanschnittssteuerungen (z. B. in Dimmern)
· Detektierung und Nutzung von „Niedrigstromfenstern" für Relaisbetätigungen für unregelmäßige Stromverläufe

· Langlebige Relais Kontakte bzw. Funkmodule
· Hohe Produktverfügbarkeit
· 500.000 Schaltspiele und mehr unter Volllast möglich
· Modulbaugröße gleicht den Standard Funkmodulen
· Einsetzbar in nahezu allen Bachmann Produkten

**Vorteile
im Überblick**

| Artikelnr.	Ausführung
Handwerkerleiste mit 868 MHz Funkmodul (mit SART Technologie)	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
821.018	· 3 Schutzkontaktsteckdosen, gemeinsam schaltbar · SART Funkmodul mit einer Schaltgruppe
821.019	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · SART Funkmodul mit einer Schaltgruppe
821.020	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · SART Funkmodul mit einer Schaltgruppe
821.021	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · SART Funkmodul mit drei Schaltgruppen

Artikelnr.	Ausführung
Connect Line mit 868 MHz Funkmodul (mit SART Technologie)	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
821.026	· 3 Schutzkontaktsteckdosen, gemeinsam schaltbar · SART Funkmodul mit einer Schaltgruppe
821.027	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · SART Funkmodul mit einer Schaltgruppe
821.028	· 6 Schutzkontaktsteckdosen, gemeinsam schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · SART Funkmodul mit einer Schaltgruppe
821.029	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · SART Funkmodul mit drei Schaltgruppen

Artikelnr.	Ausführung
Zubehör Funkmodule	
Funkfernbedienung zum Schalten der Funkmodule, kompatibel mit Standardt- und SART Modulen	
821.017	· 3 Gruppen mit je 2 Tasten (EIN/AUS) · Status LED · 3 Tasten für Pairing-Verfahren · Solides Design · Betrieben mit 2x Micro AAA Batterie

Makro Aufnahme Relaiskontakte

Relaiskontakte ohne SART

Relaiskontakte ohne SART-Technologie an PC-Netzteil-Nachbildung, nach <500 Schaltspielen defekt / verbrannt (zufälliger Schaltzeitpunkt) mit deutlich erkennbarem Lichtbogen auf dazugehörigem Oszillogramm des Stromverlaufs


Relaiskontakte mit SART

Relaiskontakte mit SART-Technologie an PC-Netzteil-Nachbildung, nach weit über 12000 Schaltspielen (µC-gesteuerter Schaltzeitpunkt) mit dazugehörigem Oszillogramm

Keyfacts (Standard und SART):

· 868 MHz ISM Band
· Reichweite min. 50m (Freifeld)
· Relais Schaltleistung 16A bei 230VAC
· Fernbedienung mit 3 Schaltgruppen AN/AUS
· Schaltgruppen mit zwei Funkmodulen flexibel belegbar
· Kleine Modulbaugröße
· Hochwertige Elektronik
· Starke Durchdringung
· Durch SART Technologie lange Produktverfügbarkeit

WiFi/LAN Modul

Technologie
WiFi / LAN Modul

WiFi

WiFi / LAN

Netzwerk Router

LAN

Schalten

Messen

Managen

www

Dynamic DNS

App für das Smartphone oder den Tablet PC

Die App ist im Play Store (für Android) oder im App Store (für iOS) unter dem Namen BlueNet WiFi zu finden. Es werden die momentane Temperatur, die aktuellen Schaltzustände und die aktuellen Leistungsmessdaten angezeigt. Die Steckdosen können ein- und ausgeschaltet werden. Durch Eingabe einer Dynamic DNS Adresse ist dieser Funktionsumfang aus der Ferne via 3G oder 4G voll nutzbar.

BlueNet

Interface Smartphone

Willkommen

Interface Tablet

Vorteile im Überblick

· Drei Schaltgruppen à 16 Ampère
· Temperatur- und Leistungsmessung
· Lastmanagement und Kostenkontrolle
· Management über Webinterface und Smartphone App
· Fernzugriff über Internet via Dynamic DNS
· WiFi (802.11 b/g/n) und Ethernet Konnektivität

WIFI/LAN Produkte

Artikelnr.	Ausführung
Handwerkerleiste mit WiFi/LAN Modul	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
820.004	· 3 Schutzkontaktsteckdosen, einzeln schaltbar · WiFi/LAN Modul
820.005	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · WiFi/LAN Modul
820.006	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · WiFi/LAN Modul
820.007	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · WiFi/LAN Modul

Artikelnr.	Ausführung
Connect Line mit WiFi/LAN Modul	
1,5 m H05VV-F 3G1,5 mm², schwarz, mit Schutzkontakt Winkelstecker, ohne Schalter	
820.012	· 3 Schutzkontaktsteckdosen, einzeln schaltbar · WiFi/LAN Modul
820.013	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · WiFi/LAN Modul
821.014	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · Überspannungsschutz + Netz- und Frequenzfilter · WiFi/LAN Modul
821.015	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · 2 Schutzkontaktsteckdosen, Dauerspannung · Überspannungsschutz + Netz- und Frequenzfilter · WiFi/LAN Modul

Artikelnr.	Ausführung
Consolidation Point mit WiFi/LAN Modul	
Stromeingang: GST18i3, 1-phasig, externe WiFi Antenne	
821.013	· 3 x 4 GST18i3 Buchse, in Dreiergruppen schaltbar · Buchsen in schwarz, rot und grau · WiFi/LAN Modul

Artikelnr.	Ausführung
STEP mit WiFi/LAN Modul	
Kunststoffgehäuse; Stromeingang: GST18i3 / Stromausgang: GST18i3	
820.017	· 6 Schutzkontaktsteckdosen, in Zweiergruppen schaltbar · WiFi/LAN Modul

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