



# Complete Catalogue **2019**

English

**BACH  
MANN**  
We power your life.

**BACH  
MANN**



Peter Bachmann | CEO



## OPPORTUNITIES

Dear reader,

At the beginning of the last century the economist John Maynard Keynes said:  
*“The difficulty lies not in the new ideas, but in escaping from the old ones.”*

This has never been more right than today. In these times, in which the pace of change is faster than ever, knowing “what is right and wrong” has become dynamite. Digitalization is disruptive; this means that the rules of the game in our business are changing fundamentally and drastically... at least, they will change at a point in the future that we do not yet know, and the nature and extent of these changes are beyond our imagination. Welcome to perhaps the most fascinating period in human history.

We are privileged to be able to live and work in these times, and therefore to be able to play a part in shaping a new world order in society, business, politics and ethics. The roaring dragon of unpredictable change must be subdued in order that risks can be turned into opportunities.

The question therefore is how to tame this monster. Our answer is to interweave outstanding skills and processes with emotional intelligence to create unique added value. This calls for candour and passion, free thinking and an intuitive feel for the needs of the people. The future will be organised into networks and platforms; the days of autocrats are over.

All of this is at the heart of our daily work and is the basis for our strategic orientation. We do not want to sell you products and services – we want you to benefit from relevant added value. We do not want to prove that our product is better in points A, B and C than that of our competitor. We want to show you that the people at BACHMANN are passionate about developing narratives with you that inspire us all and that generate significant added value in the respective situation.

We do this on the basis of our five core values: Future Viability, Authentic You, Respect, Passion and Trust.

Take us at our word and view what we have to offer you. We also look forward to enhancing your Life Quality. After all, this is what matters. It is not about more, higher or faster, but better, more valuable and more sustainable.

We wish you continued success on the path to a Life Quality that is best suited to you on a personal, authentic and holistic level.

Yours faithfully,

P.S.: You will find more information on our website, which I warmly recommend to you and, of course, we are always interested to hear your suggestions, constructive criticism or praise. Thank you for that, too.

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## Quick finder

Use the tab on the right-hand side to find the desired product range as quickly as possible.

# QUICK FINDER

## Power distribution

Power strips | Distributors | Adapters | Plugs/couplings |  
Power cables | Cable management

POWER DISTRIBUTION

## Connection panels

Integrated units | Surface-mounted units | Floor units

CONNECTION PANELS

## Network and media technology

Custom modules | Active media technology components |  
Data cables | Audio/video cables

NETWORK AND MEDIA TECHNOLOGY

## Independent Systems

Independent Monitor

INDEPENDENT SYSTEMS

## Lamps

Mobile | Stationary

LAMPS

## Electrotechnical accessories

Inter BÄR

ELECTROTECHNICAL ACCESSORIES

## IT power distribution

AC power distribution units (PDU) |  
DC power distribution units (PDU)

IT POWER DISTRIBUTION

# About us

IT power distribution



**70** years of experience

in developing, manufacturing and distributing high-quality power distribution solutions

WE **power** YOUR LIFE.

BASED IN  
  
STUTT GART

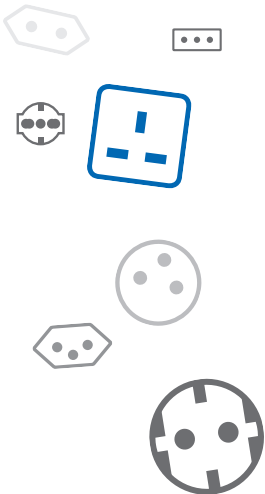


Over **2,000** standard products

  
**1947**  
established

AROUND **30** TRADING PARTNERS WORLDWIDE

POWER DISTRIBUTION UNITS



PROVIDING **LIFE** QUALITY

AROUND **800** EMPLOYEES WORLDWIDE



OFFICE A

BlueNet series  
**BN3000 – BN7500**

## Research & development

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



## Sales channels

- Subsidiaries: BACHMANN Romania S.R.L. (Medias, Romania)  
BACHMANN Hong Kong Ltd. (Hong Kong, China)  
BACHMANN S.A.R.L. (Tremblay, France)  
BACHMANN Electrical Engineering Ltd. (Milton Keynes, UK)  
BACHMANN S.A. (Barcelona, Spain)
- International agents: Albania, Austria, Belgium, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Iran, Ireland, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Montenegro, Netherlands, Norway, Poland, Portugal, Russia, Serbia, Slovakia, Slovenia, Sweden, Switzerland, UK, Ukraine
- Close partnership with electrical wholesalers
- Key account managers
- Customised OEM solutions
- Individual project solutions

For contact details of all **contacts**,  
see page 300.

## Production

- Production sites in Germany, Romania and China
- 100% function testing in production



Our German production site in Gumpelstadt, Thuringia.

# Product innovations



## Independent Monitor | p. 212

Presentation, video conference or website: Sharing visual content with colleagues, customers and partners is key to the world of work today.

The Independent Monitor from BACHMANN offers a new, flexible approach to team work: the battery pack enables the monitor to be used where it is required regardless of the rigid infrastructure such as sockets, network connections or cabled devices.

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## MINI PIX | p. 145

A real highlight – not only for offices with a clean desk concept: MINI PIX, BACHMANN's smallest in-built solution, unobtrusively provides connections. Like its sister PIX, MINI PIX has an attractive, modern design.



## DESK RAIL | p. 162

More space for creativity and efficiency at your desk with DESK RAIL: The smart system allows power, media and data connections to be secured directly to third level railing systems, providing more space on the tabletop and also quick, convenient access to a whole host of connections.



## TWOFOLD COVER | p. 116

TWOFOLD COVER enables free, individual access at both sides to power and data.

The cover opens easily and conveniently at both sides, and closes again in a soft cushioned action. The integrated brush insert prevents the cables from jamming. TWOFOLD COVER can also be retrofitted on existing equipment.



## USB 3.1 Type C Keystone | p. 184

Switch to the new generation of USB connections today! USB 3.1 type C is the latest standard in the world of devices. And with good reason: Amongst other things, the new technology provides a simpler connection thanks to its smaller, anti-twist plug connector. It also supports the "Power Delivery" functionality, cutting the charge time of devices with enhanced performance, such as tablets and laptops.



# New product versions

## DESK 2 COLOUR | p. 156

DESK 2 is distinguished by its particular flexibility as it can be fitted with various modules. The power strip has been designed for use in the office, meeting rooms, home offices or desk-sharing environments. But DESK 2 is great in living spaces, too. The power strip is now available in different colours on request.



## TWIST COLOUR | p. 136

TWIST is ideal for your living and work environment such as the office, lounge or kitchen. With its compact design and low mounting depth, it is economical on space and easily integrated into desks or kitchen worktops. It can be easily mounted above drawers with a mounting depth of only approx. 40 mm. As of now, TWIST is available in more than 200 RAL colours, and your favourite colour is sure to be one of them.



# Technologies and function modules

BACHMANN products are distinguished by their functionality and high technical standards. It is important to us that we tailor our products as specifically as possible to you. So, in addition to the standard functionalities, our products can be configured with the technologies and function modules presented in this catalogue.

We aim to satisfy your individual requirements as best we can.

Can't find a functionality? Want to ask something else? Please contact us for an individual quotation!

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## Surge protection

These days, the failure of electrical and electronic devices is a real nightmare scenario. So protecting such devices from excess electrical voltage is a key task. Don't worry: the BACHMANN strips with built-in surge protection are the answer.



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## Mains and frequency filters

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



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## Residual current device/miniature circuit breakers

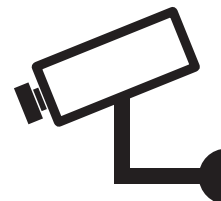
The residual current device/miniature circuit breaker integrated into a BACHMANN strip gives you peace of mind. You can choose between the two circuit breakers; a combination of the two is possible as well, of course.



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## Anti-theft bracket

The anti-theft bracket is fitted permanently in the product and allows a Kensington lock to be affixed. Anti-theft protection for mobile hardware such as laptops, desktop PCs, projectors, LCD screens, tablets, etc.



### Wi-Fi module

Wi-Fi technology allows electrical consumers to be remotely switched using a smartphone and/or tablet. The SMART Adapters offer an easy-to-install system, which holistically meet the requirements of usability and flexibility. The Wi-Fi SMART Adapters can also be linked with the 433 MHz Radio SMART Adapters and are therefore ideal for smart living.



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### Radio modules (868 MHz and 433 MHz)

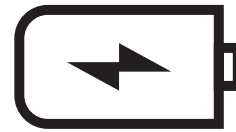
The radio modules allow sockets to be manually and remotely switched. Particular attention is paid to the radio range, radio penetration and switching reliability. The flexibility and convenience of this technology can be seen in applications such as controlling circulating pumps (heating), devices behind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



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### USB charger (permanent installation)

The USB charger component has 2 ports with 5V max. 3.1 A. When integrated into BACHMANN products, the ability to charge mobile devices using the universal USB charger is very convenient, and the integrated mains adapter also saves space for socket outlets.



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### USB 3.0 hub

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



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### Data switch

Small, compact and easy to integrate into BACHMANN power strips: The high-speed network data switch provides PoE (Power over Ethernet) for selected devices.



# Information on the page structure

## FINDING YOUR WAY AROUND

The new catalogue structure features three levels: product family, product category and product variant.

## QUICK FINDER

The seven product families are also each printed on the outer edge of both sides of the page. This helps you find the various product families more quickly when using the catalogue.

## PRODUCT DETAILS

The body text contains all central information such as product name, special product features, areas of use, benefits and – if applicable – design awards.

## PRODUCT ATTRIBUTES

All the technical attributes of a product are shown together in the bottom left of the page and are marked using a gear symbol.

CONNECTION PANELS

Connection panels | Integrated units | **LOOP IN**



## LOOP IN

You don't find cable glands interesting? Then you don't know about LOOP IN yet! This smart function insert, with its modern and elegant design, is fast and easy to mount and, in addition to the practical cable gland function for different types of cables, it includes a socket outlet with earthing contact. Just insert, lock ... and you're done!

The insert is perfect for any location where you require power but want to avoid a tangle of cables. LOOP IN can be used in conjunction with LOOP ROUND to achieve a higher-quality metal finish.


### BENEFITS

- Easy mounting and flexible replacement
- For feeding through up to 4 cables
- Suitable for standard 80 mm holes
- Can be used in conjunction with LOOP ROUND





**Dimensions (H x diameter):** 89 x 75 mm  
**Mounting depth:** 33 mm  
**Mounting Ø:** 80 mm  
**Contact surface Ø:** 68 mm

**Material:** plastic

**Colour variants:** 

**LOOP IN**

- Function insert for integration in LOOP ROUND | Suitable for 80mm standard holes
- 2 x cable glands Ø: 7 mm | 2 x cable glands Ø: 10 mm
- Power input: 2.0 m cable with mounted plug

#		
<b>Black (similar to RAL9005)</b>		
938.001	1	
938.002		1
<b>White (similar to RAL9003)</b>		
938.101	1	
938.102		1



938.001



938.002



938.101



938.102

CONNECTION PANELS

**PRODUCT TABLES**

Here, you will find product-specific information such as item number, version, colour, sockets etc. for all product versions.



**Combines perfectly** with the LOOP ROUND cable gland



**LOOP IN**  
Power input with cable gland 938.001



**LOOP ROUND**  
Grey metallic 930.300



**LOOP ROUND**  
Black 930.301



**LOOP ROUND**  
White 930.303



**LOOP ROUND**  
Stainless steel look 930.304

For suitable **LOOP ROUND** cable glands, see page 96.

**ADDITIONAL PRODUCT INFORMATION**

Below or above the product tables, you will find more information about the product and installation drawings.

**COMPATIBLE ADDITIONAL PRODUCTS**

All information and page references to compatible additional products can be found at the bottom right of the page.

Pictograms and their meanings can be found on page 319.

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**PICTOGRAMS AND THEIR MEANING**

Here, you will find details of the relevant page for an in-depth explanation of the pictograms (symbols) used.

# Power distribution



## **Power strips**

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# CONNECT LINE

The power strip offers a range of different assembly options. It is also rewirable and stands out with its compact design.

With its compact size, the CONNECT LINE power strip is perfectly suited for many different uses in both private households and businesses. The large product range of socket versions offers the perfect solution for every use. The products are also available with optional USB chargers, overvoltage protection and switches. The supplied mounting brackets allow you to install the CONNECT LINE flexibly in 30° stages.

With this combination of compactness, stylish design and versatile product versions, CONNECT LINE is a functional power supply tool in the home, office and beyond.

## BENEFITS

- **Compact power strip**
- **Versatile components**
- **USB double charger or surge protection**
- **Flexible mounting options**
- **Plug & Play**



**Dimensions (W x H x D):** see table x 53 x 52 mm  
**Profile:** plastic



**Colour variants:**





## CONNECT LINE

· Supply cable: 2.0m H05VV-F 3G 1.5 mm<sup>2</sup> with right-angled plug with earthing contact

#							
420.0019	8	35°					438 mm
420.0014	7	35°	•				438 mm
420.0018	6	35°					353 mm
420.0021	5	35°	•			•	406 mm
420.0022	5	35°	•	•			396 mm
420.0013	5	35°	•				353 mm
420.0012	4	35°	•				311 mm
420.0017	4	35°					268 mm
420.0068	3	35°		•	•		368 mm
420.0069	3	35°		•			278 mm

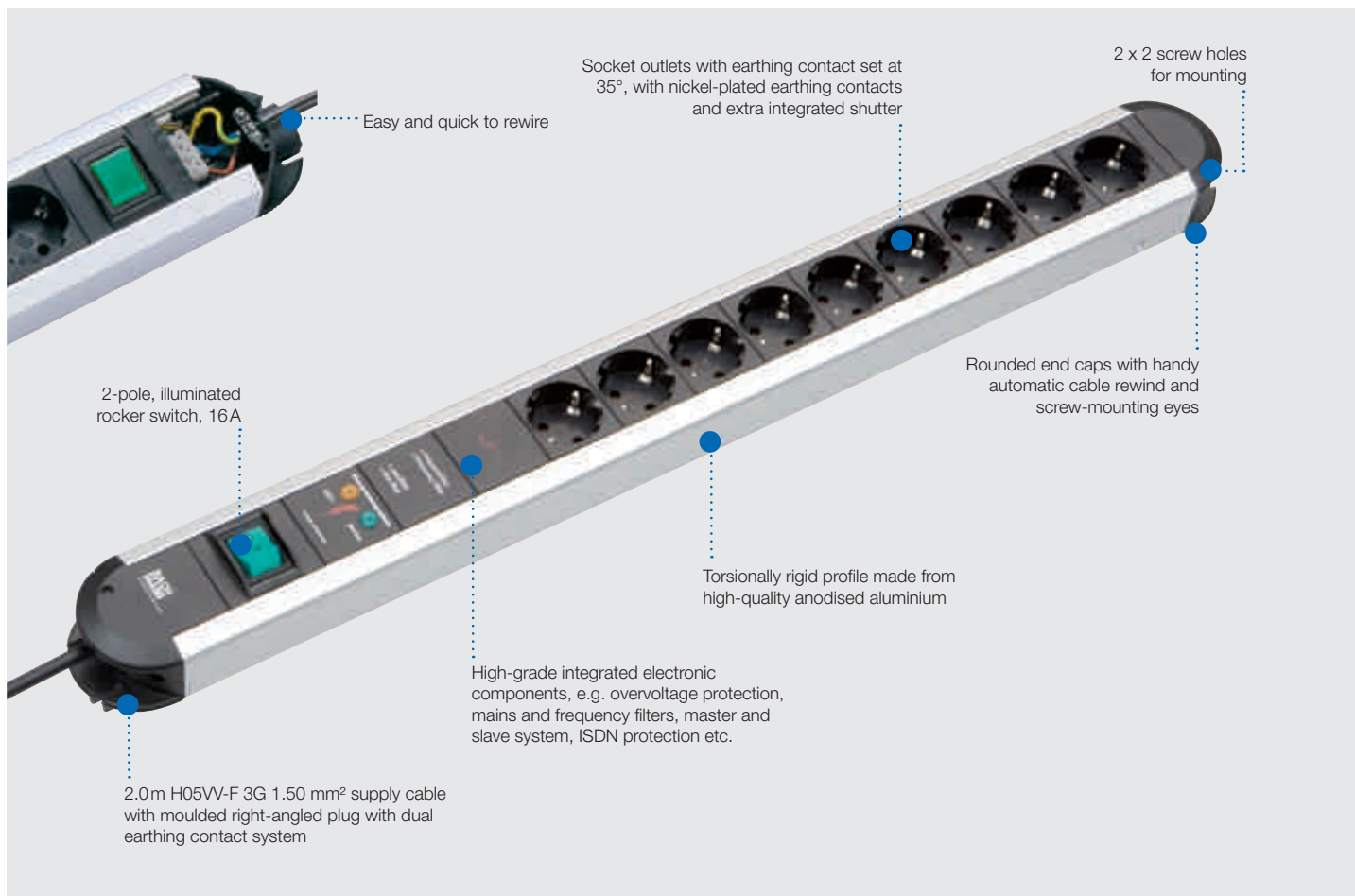


All items including mounting brackets



### Surge protection with filter:

Surge protection – conforms to DIN EN 61643-11:2013-04; VDE 0675-6-11:2013-04, type 3, discharge current 6.5 kA, response time < 25 nS. Suitable for 16 A (micro fuse on request) with varistors, thermal fuse, gas discharge arrester, optical LED function and failure display (acoustic signalling also available on request). Mains and frequency filters – conforming to DIN EN 60939-1:2011-04; VDE 0565-3:2011-04 for voltage peaks up to 30 MHz, damping diagram on data sheet.



# PRIMO

## BENEFITS

- **Tested components**
- **Halogen- and PVC-free sockets**
- **Torsionally rigid profile made from high-quality anodised aluminium**
- **Variants with:**
  - **Surge protection, type 3**
  - **Mains and frequency filters for voltage peaks up to 30 MHz**
  - **USB charger with 2.1 A charging current**
- **Available with larger socket distance, ideal for connecting power supply unit plugs**



**Dimensions (W x H x D):** see table  
**Profile:** aluminium



**Colour variants:**

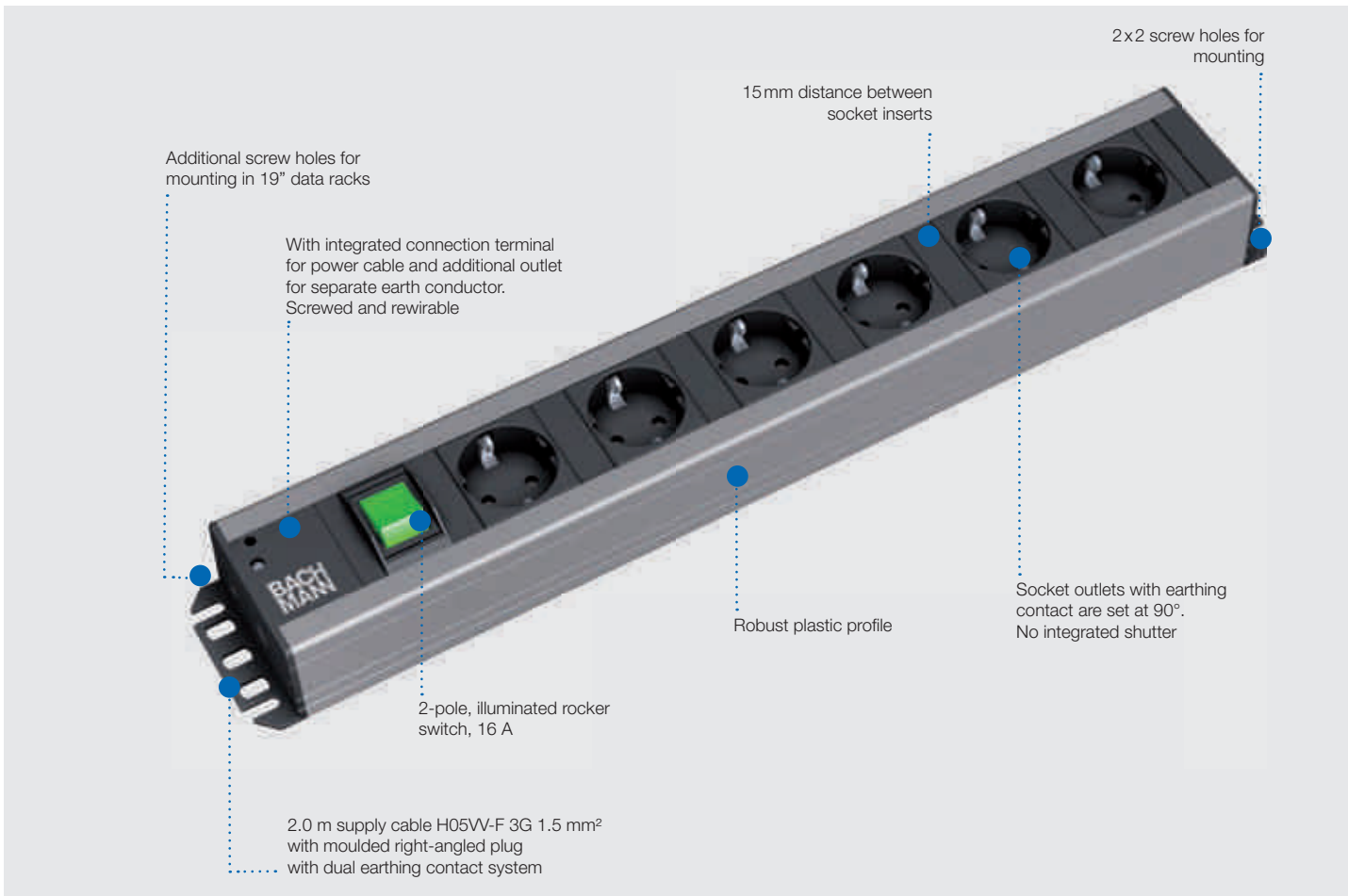
**PRIMO**

· Supply cable: 2.0m H05VV-F 3G 1.50 mm<sup>2</sup> with right-angled plug with earthing contact

#								
330.073	12	35°	●					690x71 x 54 mm
331.012	12	35°						690x71 x 46 mm
331.072	9	35°	●	●	●			690x71 x 54 mm
330.072	9	35°	●					560x71 x 54 mm
331.007	9	35°		●	●			645x71 x 47 mm
331.011	9	35°						560x71 x 46 mm
331.154	8	35°	●				●	560x71 x 54 mm
331.071	6	35°	●	●	●			560x71 x 54 mm
331.013	6	35°	●	●				474x71 x 54 mm
330.071	6	35°	●					431x71 x 54 mm
331.035	6	35°				●		516x71 x 83 mm
331.006	6	35°		●	●			515x71 x 47 mm
331.014	6	35°		●				474x71 x 54 mm
331.010	6	35°						431x71 x 46 mm
330.070	3	35°	●					304x71 x 54 mm
331.000	3	35°						304x71 x 46 mm
<b>Master + Slave</b>								
333.071	1 M+6 S	35°		●	●			695x71 x 47 mm
332.071	1 M+6 S	35°						573x71 x 47 mm
<b>ISDN   1 x ISDN input   3 x ISDN outputs</b>								
331.074	6	35°	●	●	●			645x71 x 54 mm
<b>15 mm spacing</b>								
331.055	6	90°	●	●	●		●	690x71 x 54 mm
<b>85 mm spacing</b>								
331.032	5	35°						515x71 x 46 mm
<b>For IT power circuits   Socket colour: red</b>								
331.040	6	35°						390x71 x 46 mm
<b>Master + slave + foot-operated switch   2x red continuous operation socket outlets with earthing contact   Socket colour: red   0.1 m with GST18i3 plug   0.1 m black with GST15/2 plug   Foot-operated switch with 2m supply cable</b>								
331.089	1 M+5 S	35°						670x71 x 47 mm



POWER DISTRIBUTION



# CRAFTSMAN SOCKET OUTLET

## BENEFITS

- 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
- Available with 15 mm distance between the socket inserts, ideal for easy positioning of mains adapter plugs and operating equipment








**Dimensions (W x H x D):** see table x 74 x 45 mm  
**Profile:** plastic



**Colour variants:**

**CRAFTSMAN SOCKET OUTLET with standard spacing between the sockets**








· Supply cable: 2.0m with right-angled plug with earthing contact

#				19"	
300.006	8	35°		•	445 mm
300.007	7	35°	•	•	445 mm



**CRAFTSMAN SOCKET OUTLET with 15 mm spacing between sockets**

· Supply cable: 2.0m with right-angled plug with earthing contact

#							19"	
300.005	12	90°	•					790 mm
300.002	12	90°						790 mm
300.004	9	90°	•					617 mm
300.001	9	90°						617 mm
300.011	6	90°	•	•				490 mm
300.012	6	90°	•	•	•			575 mm
300.003	6	90°	•				•	445 mm
300.000	6	90°					•	445 mm
300.030	5	90°	•			•	•	445 mm

**Can be switched off individually**

300.050	6	90°	3					526 mm
300.049	4	90°	4					453 mm

**Supply cable and switch on opposite sides**

300.008	6	90°	•					488 mm
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# CONNECTUS

## BENEFITS

- **Very good value for money**
- **Practical cable rewind**
- **Easy to mount using mounting holes**



**Dimensions (W x H x D):** see table  
**Profile:** plastic



**Colour variants:**

## CONNECTUS

- Supply cable: 2.0m H05VV-F 3G 1.50 mm<sup>2</sup> with right-angled plug with earthing contact
- Socket colour: black

#											
330.103	12										●
330.102	9										●
330.105	6										●
330.104	6										●
330.101	6										●
330.100	4										●

### Master + Slave

330.107	1 M+4 S										●
330.106	1 M+4 S										●
330.106F		1 M+4 S									●

### Master + Slave | With external button

330.140	1 M+4 S										●
---------	---------	--	--	--	--	--	--	--	--	--	---

### With external button | 1.5m cable to plug | 1.5m cable to switch

330.142	6										●
---------	---	--	--	--	--	--	--	--	--	--	---

### Orange switch

330.104F		6									●
330.101F		6									●
330.100F		4									●

## CONNECTUS

- Supply cable: 2.0m H05VV-F 3G 1.0 mm<sup>2</sup> with C14 non-heating device plug
- Socket colour: red

#										
330.300		3								

### 10A micro fuse

330.300		3								
---------	--	---	--	--	--	--	--	--	--	--





# STEP

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

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

STEP is equipped with Wieland GST18i3 as standard for the power supply and can therefore be supplied with a variety of cable lengths. Other plug connector systems can also be supplied on request.

## BENEFITS

- **Modularity**
- **Versatile applications**
- **Installation connection system as standard**
- **Functional efficiency**



**Dimensions (W x H x D):** see table x 52 x 44 mm

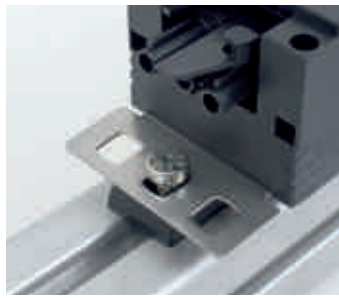
**Profile:** STEP BASE: plastic  
STEP ALU: aluminium

**Power input:** GST18  
**Power output:** GST18

**Colour variants:** 



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



### Perfectly tailored for the best connections

The STEP power strip is available with an aluminium or plastic profile. It is possible to connect multiple power strips together to form a modular system.

STEP is designed primarily as a simple electricity supply unit for office workstations. Permanently installed devices such as PCs, monitors, printers, etc. can be connected to STEP.

STEP power strips have a power input and a power output, each of which is built into the end caps on the face end.

The Wieland GST18 plug connectors fitted are particularly tried-and-tested solutions for office use and have the coding and latch mechanism required to comply with the applicable standard.

### Various fixing options

STEP power strips are versatile in their application. They can be fitted, for example, under tabletops, in cable ducts and in partitions.

Different attachment options are available to suit these various applications (on page 27).

## STEP BASE power strips

#						
<b>STEP BASE</b>						
336.626	5					35°
336.604	4					35°
336.600	3					35°
906.0055*		4				45°
906.1306*		2				45°
336.606				4		35°
336.603					3	35°
<b>STEP BASE</b>   Socket colour: red						
336.601	3					35°
<b>STEP BASE + 2 switches</b>						
906.0059*		2				45°
<b>STEP BASE + 1 switch</b>						
906.0060*		4				45°



For suitable **device supply cables**, see from page 64.

\* External earthing

Pictograms and their meanings can be found on page 319.

### STEP ALU power strips



**STEP ALU**

906.014	4					35°			263 mm
336.039	3					35°			220 mm
906.0113	2					35°	●	1	263 mm
906.001	2					35°		2	263 mm
906.000	2					35°		1	220 mm
336.079		2				45°		1	285 mm
336.046			4			35°			263 mm
906.1075			3			35°			220 mm
906.009			2			35°		2	263 mm
906.002			2			35°		1	220 mm
906.1086				3		90°			220 mm
906.080				2		90°		2	263 mm
906.071				2		90°		1	220 mm
906.1109							●		146 mm
906.1244					2	35°		2	285 mm
906.0028					2	35°		1	242 mm

**STEP ALU** | Socket colour: red

336.067	3					35°			220 mm
336.088			4			35°			263 mm
336.072			3			35°			220 mm

**STEP ALU + 1 switch** | Switch only switches sockets

906.003	3					35°			263 mm
---------	---	--	--	--	--	-----	--	--	--------

**STEP ALU + 1 switch** | Switch switches power output and sockets

906.031	3					35°			263 mm
---------	---	--	--	--	--	-----	--	--	--------

**STEP ALU + 1 switch + RCD** | Switch switches power output and sockets

906.150	2					35°			359 mm
---------	---	--	--	--	--	-----	--	--	--------

**STEP ALU for Custom Modules set at 90° with outlet on side**

906.024	2					35°		1 (90°)	220 mm
906.0704		2				90°		1 (90°)	220 mm
906.093			2			35°		1 (90°)	220 mm
906.0703				2		90°		1 (90°)	220 mm



### STEP safety modules


#	
336.006	<b>STEP ALU master &amp; slave</b> Width: 220 mm   Master & slave circuit with threshold value setting 10-100W
906.005	<b>STEP ALU automatic switch-off</b> Width: 263 mm   Energy-efficient   1 x automatic switch-off with socket   1 x button connection with 0.5m cable and plug connector for connecting to 917.060 module



For suitable **device supply cables**, see from page 64.


For suitable **Custom Modules**, see from page 180.

## STEP safety modules

#	
336.003	<b>STEP ALU surge protection</b> Width: 147 mm   2kV surge protection with function and fail indicator
336.004	<b>STEP ALU overvoltage protection   Mains and frequency filter</b> Width: 220mm   2kV surge protection with function and fail indicator   30MHz mains filter
336.015	<b>STEP ALU miniature circuit breaker</b> Width: 220 mm   Miniature circuit breaker, 16A, 2-pole   Characteristic B
336.014	<b>STEP ALU RCD</b> Width: 220mm   Residual current device 25 A   Response current 30mA   Response time 30ms   2-pole
906.067	<b>STEP ALU RCD</b> Width: 220mm   Residual current device 16A   Response current 10mA   Response time 30ms   2-pole
336.065	<b>STEP ALU RCD</b> Width: 220 mm   Residual current device   Response current 30 mA   Response time 30 ms   2-pole   Miniature circuit breaker 16A nominal current   Characteristic B; 6kA

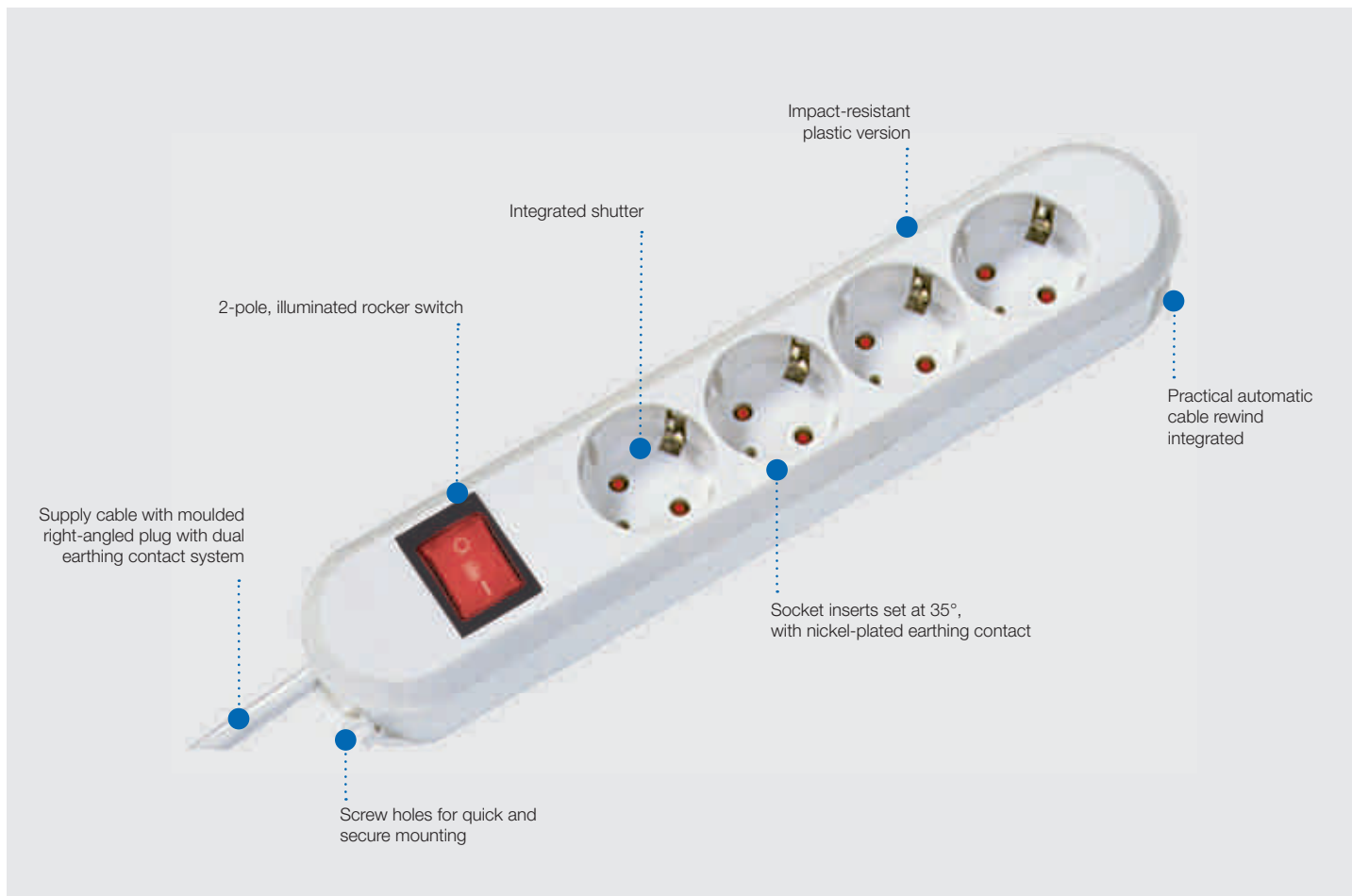


## STEP accessories

#	
375.502	<b>Mounting accessories</b> 4 x 2.9x30mm screws   2 x cover strips for the end caps as optical finish (to be placed on the end caps where two power strips are linked together)   1 x connection cover   1 x end cap for power output socket
940.096	<b>Stainless steel mounting bracket</b> For plugging into the rear of a STEP profile   Ideal for use with power strips with data connections   Packaging unit: 2 units
940.024	<b>Stainless steel mounting bracket with elongated hole</b> For plugging into the rear of a STEP profile   With elongated hole (keyhole) for screwing into place, ideal for use with power strips with data connections   Packaging unit: 1 x left, 1 x right
940.097	<b>Straight stainless steel mounting bracket</b> For plugging into the rear of a STEP profile   For screwing in place, e.g. under a desk or table   Packaging unit: 2 units
375.529	<b>STEP cover strips</b> For positioning on the end caps of the STEP power strip   Optical finish   Black plastic   Packaging unit: 2 units
940.108	<b>Steel sheet mounting plate</b> For insertion into rear of STEP profile   Tightening the nut on the threaded screw fixes the power strip in place   1 mounting plate including M5 screw, washer and nut
918.025	<b>STEP plastic mounting clip</b> For attaching STEP BASE and STEP ALU power strips   In suitable cut-outs in steel sheet (thickness 2.0mm)   2 x plastic mounting clips   4 screws 2.9x30mm
918.123	<b>Double-sided mirror tape</b> Double-sided adhesive mirror tape   Dimensions 200x30x3mm



For suitable **device supply cables**, see from page 64.



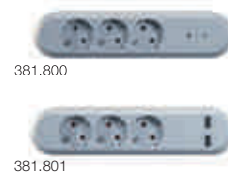
# SMART

## BENEFITS

- **Product variants: rewirable and non-rewirable**
- **Surge protection**
- **Easy to mount using screw holes**
- **Practical cable rewind**
- **Robust design**

## SMART

#	
<b>Radio SMART 3 x 433 MHz earthing contact</b>   Power strip with integrated radio remote switch, 10 A/230 V~	
381.800	IP20   Single-pole switching with indicator LED, manually switchable   433.92 MHz, unidirectional, radio range 30 m in free field   Width: 255 mm   Switchable using remote control or using the app (trained to Wi-Fi SMART Adapter on p. 46)
<b>USB SMART 3 x earthing contact</b>   Power strip with integrated 2-way USB charger, 16 A/ 230 V~	
381.801	White   IP20   Width: 255 mm   Total charging current for USB charger: max. 3.1 A/5 V



Radio SMART is compatible with Smart Adapters (p. 46).

**Dimensions (W x H x D):** see table x 56 x 41 mm  
**Profile:** plastic

**Colour variants:**

**SMART**

#							
---	--	--	--	--	--	--	--

**Supply cable: 5.0m H05VV-F 3G 1.50mm<sup>2</sup> with moulded right-angled plug with earthing contact**

381.152K	6		●		●	350 mm	black
381.252K	6		●		●	350 mm	white
381.149K	6				●	350 mm	black
381.249K	6				●	350 mm	white
387.172	3					188 mm	black
388.172	3				●	188 mm	black
387.272	3					188 mm	white
388.272	3				●	188 mm	white

**Supply cable: 3.0m H05VV-F 3G 1.50mm<sup>2</sup> with moulded right-angled plug with earthing contact**

381.151K	6		●		●	350 mm	black
381.251K	6		●		●	350 mm	white
381.148K	6				●	350 mm	black
381.248K	6				●	350 mm	white
387.171	3					188 mm	black
388.171	3				●	188 mm	black
387.271	3					188 mm	white
388.271	3				●	188 mm	white
388.471	3				●	188 mm	brown
388.371	3				●	188 mm	red
381.2507K		6	●	●	●	350 mm	black
381.2512K		6	●	●	●	350 mm	white

**Supply cable: 1.5m H05VV-F 3G 1.50mm<sup>2</sup> with moulded right-angled plug with earthing contact**

381.150K	6		●		●	350 mm	black
381.250K	6		●		●	350 mm	white
381.450K	6		●		●	350 mm	brown
381.2501K	6		●	●		390 mm	white
381.147K	6				●	350 mm	black
381.247K	6				●	350 mm	white
381.130K	4		●		●	290 mm	black
381.230K	4		●		●	290 mm	white
381.121K	4				●	290 mm	black
381.221K	4				●	290 mm	white
387.170	3					188 mm	black
388.170	3				●	188 mm	black
387.270	3					188 mm	white
388.270	3				●	188 mm	white

**Without supply cable**

381.246K	6				●	350 mm	white
381.223K	4				●	290 mm	white
385.170	3				●	188 mm	black
385.270	3				●	188 mm	white



381.248K



388.171



388.271



388.471



388.371



381.2512K



381.250K



381.2501K



381.230K



381.221K

For suitable **device supply cables**, see from page 74.

### Screw mounting

- Attaches to desk/table with screw mounting, e.g. on the edge of a desk/table
- Can be positioned lengthwise or crosswise

#	
919.273	White   For all rewirable (reusable screws) power strips, plastic version



919.273

### SMART PLUG power strip

- With lever and/or ejection mechanism
- Components VDE-approved

#	
<b>3-way multiple socket strip   With 1.6m H05VV-F 3G 1.5</b>	
933.014	Black
933.015	White



933.014  
933.015

### FLAT PLUG power strip

- Without lever and/or ejection mechanism
- Components VDE-approved

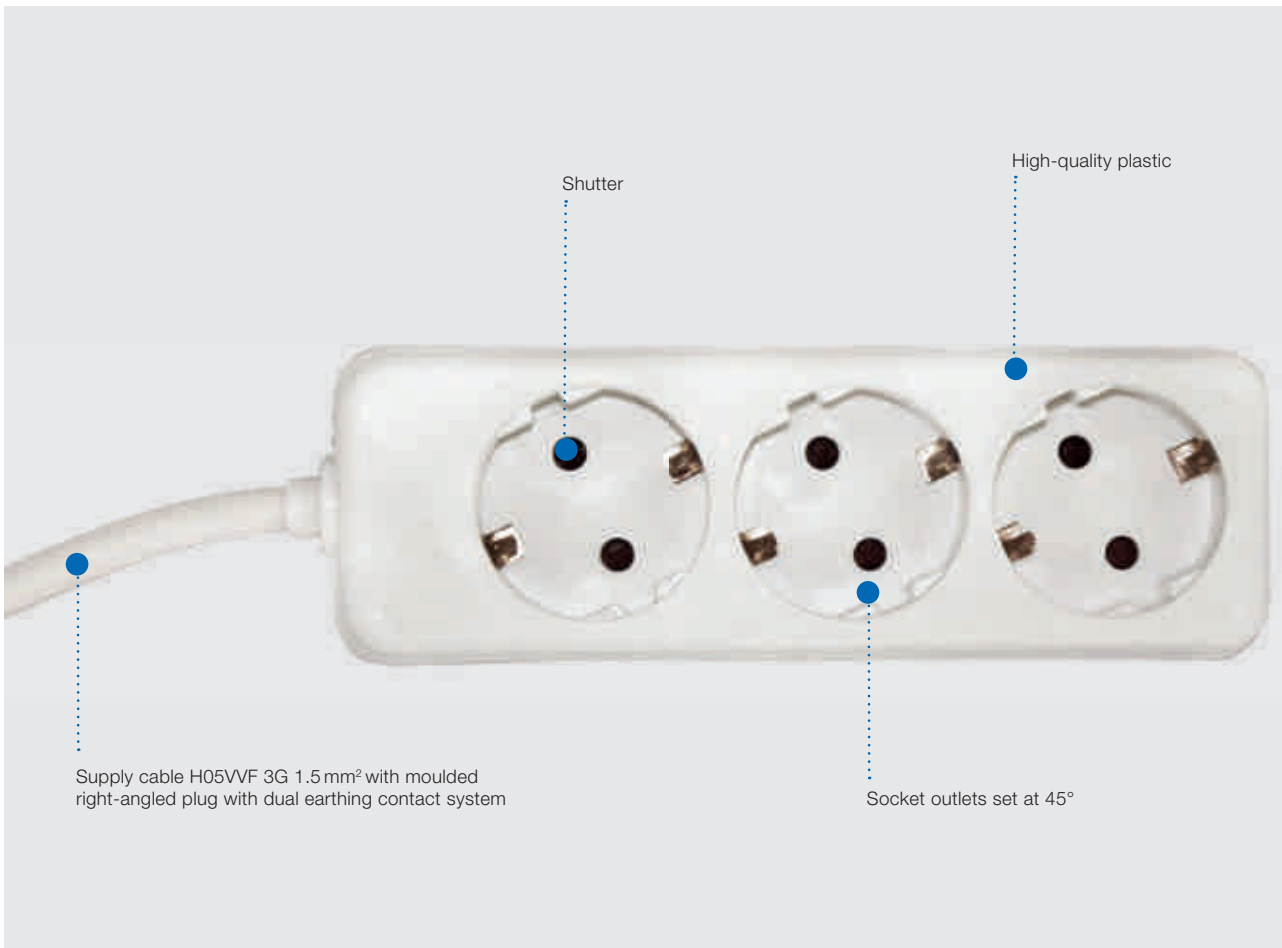
#	
<b>3-way multiple socket strip   With 1.6m H05VV-F 3G 1.5</b>	
933.007	White



933.007



For other versions of the **SMART PLUG** and **FLAT PLUG**, see pages 57, 73 and 78.



# SELLY

## SELLY

#				
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**Supply cable: 3.0m H05VV-F 3G 1.50mm<sup>2</sup>**

387.271S	3	45°		white
387.275S	3	45°		white

**Supply cable: 1.5m H05VV-F 3G 1.50mm<sup>2</sup>**

381.244S	6	45°	•	white
381.144S	6	45°	•	black
381.241S	6	45°		white
381.141S	6	45°		black
384.272S	3	45°	•	white
387.270S	3	45°		white
387.274S	3	45°		white



Profile: plastic



Colour variants:



Illustration with CONI COVER

# UNIVERSAL

## BENEFITS

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



**Dimensions (W x H x D):** see table x 52 x 44 mm  
**Profile:** aluminium



**Colour variants:** 





### Large UNIVERSAL power strips

#						
<b>Power input: 3.0 m with right-angled plug with earthing contact</b>   including mounting bracket						
922.0181	5			35°	2	406mm
922.0071	4			35°	3	406mm
922.083		5		35°	2	406mm
922.082		4		35°	3	406mm
<b>Power input: 3.0 m with Italy plug</b>   including mounting bracket						
922.097			4	45°	3	428mm



### Small UNIVERSAL power strips

#						
<b>Power input: 3.0 m with right-angled plug with earthing contact</b>   including mounting bracket						
922.0111	3			35°	1	279mm
922.0231		3		35°	1	279mm
<b>Power input: 3.0 m with Italy plug</b>   including mounting bracket						
922.096			3	45°	1	295mm



### Media racks/IT panels

#	
<b>19" Custom Module panel 1.5 U</b>   Anodised aluminium	
903.003	Accommodates up to 9 Custom Modules   Incl. mounting brackets



For suitable **CONI COVER** mounting frames, see from page 114.


For suitable **Custom Modules**, see page 180.



# Garden socket outlets

## Garden socket outlet with earth spike, 16 A | 230 V~ | IP44

- With hinged lid, splash-proof


#	
<b>2.0m cable H07RN-F 3G 1.50mm² with central plug with earthing contact</b>	
394.180	2x socket outlets with earthing contact 230V~   black/yellow
394.182	4x socket outlet with earthing contact 230V~   black/yellow
394.175	3x socket outlet with earthing contact 230V~   black/yellow



394.180      394.175  
Similar to illustration

## Outdoor socket outlet, 16 A | 230 V~ | IP44

- Can be closed with central plug plugged in
- Shackle for padlock prevents power from being stolen
- Clear polycarbonate lid with seal with foam surround protects against splash and rain

#	
<b>Lockable</b>   Series 9015   Only for mounting on wall   L/W/H 185x85x80mm	
924.349	For central plug   1x socket outlet with earthing contact   Supplied without lock and plug
924.3491	For right-angled plug   1x socket outlet with earthing contact   Supplied without lock and plug



924.349      924.3491



# Outdoor (IP44)

## Solid rubber distributor

· 2.0m supply cable H07RN-F3G 2.50 mm<sup>2</sup>

#	
349.185	Input: 1 x solid rubber earthing contact plug 16A/250V~ Output: 6 x socket outlets with earthing contact 16A/250V~
349.184	Input: 1 x CEE plug 16A/400V~ Output: 1 x CEE socket 16A/400V~ 3 x socket outlets with earthing contact 16A/250V~



349.185



349.184

## Distributor for socket

#	
<b>5x socket outlets with earthing contact</b>	
349.046	4.5m H07RN-F 3G 1.5 mm <sup>2</sup> with earthing contact plug   With hinged lids and switch
<b>4x socket outlets with earthing contact</b>	
349.044	10.0m H07RN-F 3G 1.5 mm <sup>2</sup> with earthing contact plug   With hinged lids
<b>3x socket outlets with earthing contact</b>	
349.045	1.5m H07RN-F 3G 1.5 mm <sup>2</sup> with earthing contact plug   With hinged lids and switch
381.109	230V   16A   With hinged lids   With suspension eye and 4 fixing points   Solid elastomer version   Without supply cable



349.046



349.044




349.045



381.109


# Cable reels

## Master cable reel

#	
<b>4x socket outlets with earthing contact   Conforms to DGVU-I 203-006</b>	
399.000	Empty reel   Conforms to DGVU-I 203-006 with H07RN-F or H07BQ-F cable type
399.003	25m H07RN-F3G 1.5 mm <sup>2</sup>   Black   With central earthing contact plug
399.004	40m H07RN-F3G 1.5 mm <sup>2</sup>   Black   With central earthing contact plug
399.005	50m H07RN-F3G 1.5 mm <sup>2</sup>   Black   With central earthing contact plug
399.006	40m H07RN-F3G 2.5 mm <sup>2</sup>   Black   With central earthing contact plug
<b>4x socket outlets with earthing contact   Construction site cable Austria</b>	
399.012	40m XYMM-J3G 1.5 mm <sup>2</sup>   Yellow   With central earthing contact plug
<b>3x socket outlets with earthing contact   1x CEE socket 16A   Conforms to DGVU-I 203-006</b>	
399.007	Empty reel   Conforms to DGVU-I 203-006 with H07RN-F or H07BQ-F cable type
399.009	25m H07RN-F5G 2.5 mm <sup>2</sup>   Black   With CEE plug 16A
<b>Other</b>	
399.010	Empty reel with closed plate for configuration by user   Conforms to DGVU-I 203-006

## Cable reel with portable RCD, 3-way

- Cable: H07BQ-F 3G 1.50 mm<sup>2</sup>
- 3 x socket outlets with earthing contact with hinged lid
- With built-in thermal cut-out | 1-pole
- Dual tubular frame
- Reel body made from unbreakable hard rubber

#	
398.200	<b>25m</b> Earthing contact plug 16A/30mA Cable: orange   Reel: black



399.000



399.012



399.007



399.010




398.200



BGI608 is now called DGVU-I 203-006  
BGI600 is now called DGVU-I 203-005

### Professional cable reel, 3-way, 16 A/250 V ~

- Cable: H07RN-F 3G 1.50 mm<sup>2</sup>
- 3 x socket outlets with earthing contact with hinged lid
- With built-in thermal cut-out | 1-pole
- Dual tubular frame
- Reel body made from unbreakable special plastic
- Conforms to DGUV-I 203-006


#	
399.181	<b>25 m</b> Central earthing contact plug   Cable: black   Reel: black
399.182	<b>40 m</b> Central earthing contact plug   Cable: black   Reel: black
396.184	<b>Professional plastic empty reel</b> Holds up to max. 40 m H07RN-F 3G 1.50 mm <sup>2</sup>   Conforms to DGUV-I 203-006 with H07RN-F or H07BQ-F cable type   Wheel diameter 280 mm   Reel body made from unbreakable special plastic, black



399.182

### Professional cable reel, 3-way, 16 A/400 V ~

- 1 x CEE socket 16 A/400 V ~
- 2 x socket outlets with earthing contact 250 V ~ with hinged lid
- Integrated 3-pole thermal cut-out
- Dual tubular frame
- Conforms to DGUV-I 203-006

#	
399.180	<b>25 m</b> CEE plug   Cable: H07RN-F 5G 1.50 mm <sup>2</sup>   Reel body made from unbreakable plastic   Cable: black   Reel: black
399.186	<b>40 m</b> CEE plug   Cable: H07RN-F 5G 2.50 mm <sup>2</sup>   Reel body made from unbreakable hard rubber   Cable: black   Reel: black
399.185	<b>CEE professional plastic empty reel</b> Cable up to max. 20 m H07RN-F 5G 1.50 mm <sup>2</sup>   Wheel diameter 285 mm   Reel body made from robust, unbreakable special plastic, black



399.180




399.186



399.185

### Professional cable reel, 4-way, 16 A / 250 V ~


- Cable: H07RN-F 3G 2.50 mm<sup>2</sup>
- 4 x socket outlets with earthing contact with hinged lid
- With built-in thermal cut-out | 1-pole
- Dual tubular frame
- Reel body made from unbreakable hard rubber
- Conforms to DGUV-I 203-006

#	
399.189	<b>50 m</b> Central earthing contact plug   Cable: black



399.189

### Equipment supply reel with thermal cut-out


#	
397.003	<b>Large plastic empty reel</b> Integrated cable winder and locking brake   Holds up to max. 50 m H05VV-F 3G 1.50 mm <sup>2</sup>   Wheel diameter 290 mm   Reel: black



397.003

### Cable reel, 4-way without lid

- With built-in thermal cut-out | 1-pole
- 4 x socket outlets with earthing contact
- 16A/250V~ | IP20

#	
<b>Plastic 25m</b>	
392.180	Cable: H05VV-F 3G 1.50mm <sup>2</sup>   Central plug with dual earthing contact system   Cable: black   Reel: black
395.180	Cable: H05RR-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Reel: black
<b>Plastic 50m</b>	
392.181	Cable: H05VV-F 3G 1.50mm <sup>2</sup>   Central plug with dual earthing contact system   Cable: black   Reel: black
395.181	Cable: H05RR-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Reel: black
<b>Large plastic empty reel</b>	
396.181	Cable up to max. 50m H05RR-F 3G 1.50mm <sup>2</sup>   Wheel diameter 285 mm   Reel: black
<b>Steel sheet 25m</b>	
398.183	Cable: H05VV-F 3G 1.50mm <sup>2</sup>   Central plug with dual earthing contact system   Cable: black   Reel: silver
398.181	Cable: H05RR-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: silver
<b>Steel sheet 50m</b>	
398.182	Cable: H05RR-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: silver
<b>Steel sheet empty reel, large</b>	
396.182	Wheel diameter 290 mm   Reel: silver



392.180




395.181



398.182

### Cable reel, 3-way, with hinged lid

- With built-in thermal cut-out | 1-pole
- Splash-proof – for outdoor use
- 3 x socket outlets with earthing contact
- 16A/250V~

#	
<b>Plastic 25m</b>	
392.182	IP44   Cable: H07RN-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: black   Conforms to DGUV-I 203-006
<b>Plastic 40m</b>	
392.183	IP44   Cable: H07RN-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: black   Conforms to DGUV-I 203-006
<b>Plastic empty reel</b>	
396.183	Cable up to max. 40m H07RN-F 3G 1.50mm <sup>2</sup>   Wheel diameter 280mm   Reel: black   Conforms to DGUV-I 203-006
<b>Steel sheet 40m   Iron Coat series</b>	
398.180	IP44   Cable: H07RN-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: silver   Conforms to DGUV-I 203-006
<b>Steel sheet 50m</b>	
398.186	IP44   Cable: H05RR-F 3G 1.50mm <sup>2</sup>   Central earthing contact plug   Cable: black   Drum: silver
<b>Steel sheet empty reel</b>	
396.187	Holds up to max. 40m   Wheel diameter 280 mm   Reel: silver   Conforms to DGUV-I 203-006 with H07RN-F or H07BQ-F cable type



392.183



398.186

### Spare parts for cable reels

· Suitable for cable reels on pages 37 and 38

#	
<b>Thermal cut-out</b>	
900.180	1-pole   red   for 250V
900.181	3-pole   red   for 400V
<b>Socket insert</b>	
900.187	4-way, with thermal cut-out   black
910.105	3-way with lid and thermal cut-out   Lid: red   Plate: black
<b>2 socket outlets with earthing contact, 1 CEE socket outlet 16 A / 400V ~</b>	
910.106	2-way with hinged lid   With thermal cut-out   Lid: red   Plate: black



### 4-way cable box

- With built-in thermal cut-out | 1-pole
- Right-angled plug with dual earthing contact system
- Version with hand grip and winding handle
- Cable: H05VV-F 3G 1.50 mm<sup>2</sup>
- 16 A / 250V~

#	
<b>10m</b>	
393.002	Max. load capacity: 3,500W fully unwound   1,200W fully wound   Cable: black   Box: black   With shutter
<b>20m</b>	
393.006	Highly shatter-proof version   Max. load capacity: 3,500W fully unwound   1,000W fully wound   Cable: black   Box: black/blue

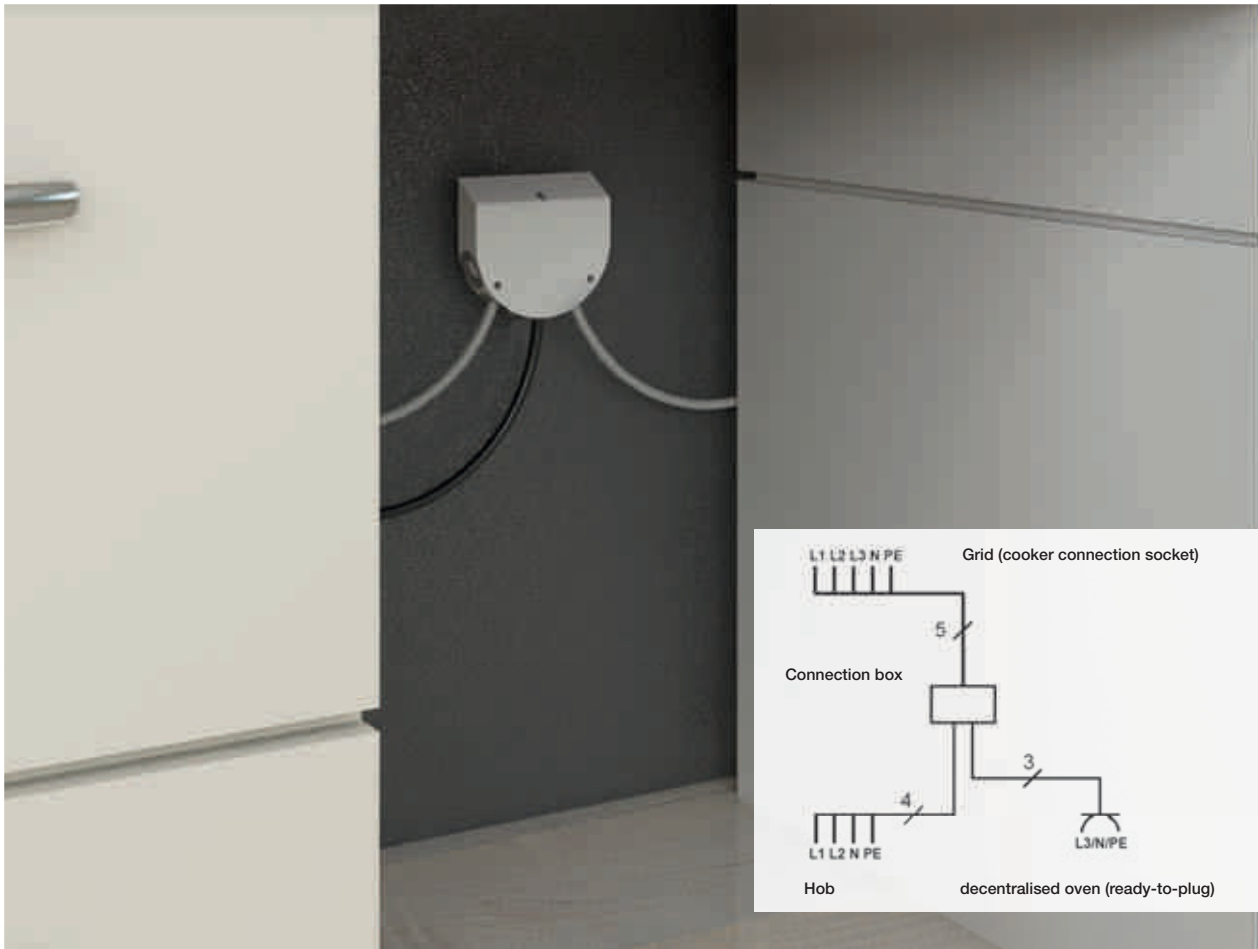


### Spring-type 4-way cable reel with hinged lid

· IP44


#	
<b>15m with automatic spring rewind</b>	
392.187	Cable: H07RN-F 3G 1.5 with earthing contact plug   230V~ / 16A / max. 3,500W unwound and 1,000W wound   With thermal cut-out   With plastic hand grip   Plastic frame   Colour: blue






# Kitchen connection box

## BENEFITS

- **Saves costs as no need to fit additional sockets**
- **The existing cooker socket can still be used**
- **Rewirable WAGO® terminals**
- **Low mounting depth (approx. 34 mm)**
- **Can also be used in combination with an induction cooker**
- **Distributor box VDE-approved** 

## Kitchen connection box

- Grey, with screw-mounting eyes, connected load up to 11 kW (with ohmic load)
- H05VV-F 5G 2.50mm<sup>2</sup> for cooker socket
- H05VV-F 4G 2.50mm<sup>2</sup> for hob
- H05VV-F 3G 1.50mm<sup>2</sup> with socket outlet with earthing contact for oven

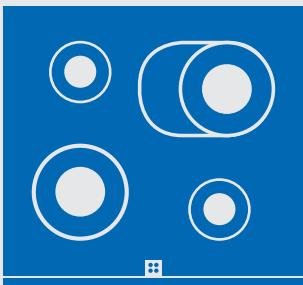
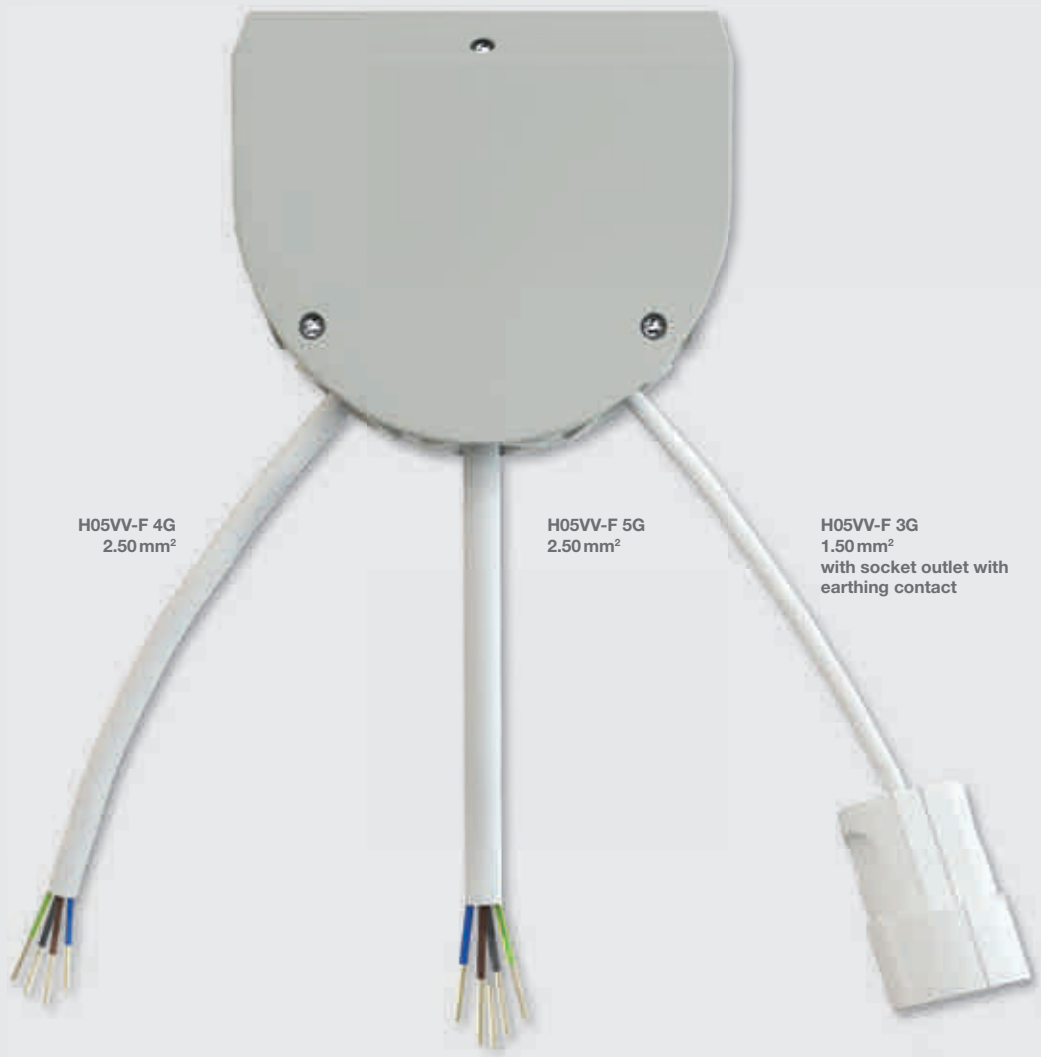
#	
923.000	<b>Kitchen connection box 2m</b> Cooker connection socket 2.0m   Hob 2.0m and oven 2.0m
923.001	<b>Kitchen connection box 5m</b> Cooker connection socket 2.0m   Hob 5.0m and oven 5.0m
923.002	<b>Kitchen connection box 10m</b> Cooker connection socket 2.0m   Hob 10.0m and oven 10.0m



923.000



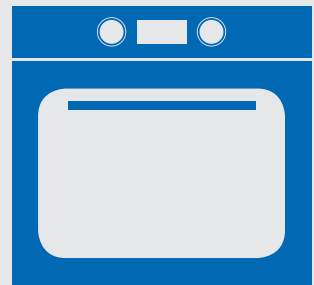
**Kitchen connection box**



Hob



Cooker connection socket



Oven

# Cooker and appliance connection sockets

## Cooker connection socket AP / UP 16 A / 400 V~ / 3P+N+PE

- VDE-certified
- Duroplast version for surface or flush mounting (in flush-mounted device boxes)
- Quick and easy connection thanks to spacious terminal area
- Clamping range: 0.75–2.5 mm<sup>2</sup>

#	
190.270	<b>White</b>   For 55 mm flush-mounted installation box   Height: 23 mm



## Appliance connection socket UP 16 A / 380 V~ / 3P+N+PE

- Thermoplastic version for flush mounting (in flush-mounted device boxes)
- Easy to mount with removable terminal block and snap-lock lid
- With screw terminal 5 x 2.50 mm<sup>2</sup> and strain relief

#	
190.271	<b>White</b>   For 60 mm flush-mounted installation box   Height: 12 mm



For suitable **cooker connections**, see page 80.

# Energy cubes

## Energy cubes

- Cable entry with screw fitting
- Offers high flexibility and greater freedom of movement, e.g. in workshops and assembly areas
- Practical multi-purpose hook and hanger
- Made of special shatter-proof plastic and wired ready-to-use

#	
<b>4 x socket outlets with earthing contact   For cable diameter 3x1.5mm<sup>2</sup> – 5x1.5mm<sup>2</sup></b>	
349.300	4 x socket outlets with earthing contact 16 A / 230V~
349.301	4 x socket outlets with earthing contact 16 A / 230V~   1 x compressed air connection with 1/2" inlet and 2 x 1/2" outlets
<b>1 x CEE, 4 x socket outlets with earthing contact   For cable diameter 5x1.5mm<sup>2</sup> – 5x2.5mm<sup>2</sup></b>	
349.302	1 x CEE socket 16A/400V~, 5-pole   4 x socket outlets with earthing contact 16A/230V~
349.303	1 x CEE socket 16A/400V~, 5-pole   4 x socket outlets with earthing contact 16A/230V~   1 x compressed air connection with 1/2" input and 2 x 1/2" output
<b>2 x CEE, 2 x socket outlets with earthing contact   For cable diameter 5x1.5mm<sup>2</sup> – 5x4mm<sup>2</sup></b>	
349.304	2 x CEE sockets 16A/400V~, 5-pole   2 x socket outlets with earthing contact 16A/230V~



## Energy cube with data connection

- IP44
- 1 x compressed air connection with 1/2" input
- 2 x 1/2" compressed air output
- 1 x IP67 data outlet with 2 x RJ45 Cat6 module
- Made of special shatter-proof plastic and wired ready-to-use

#	
349.310	4 x socket outlets with earthing contact 16 A 230 V~   1 x CEE socket 16 A   Cable entry with screw fitting from 5G 1.5mm <sup>2</sup> to 5G 2.5mm <sup>2</sup>
349.311	2 x socket outlets with earthing contact 16 A / 230V~   2 x CEE sockets 16 A   Cable entry with screw fitting from 5G 2.5mm <sup>2</sup> to 5G 4.0mm <sup>2</sup>   Protection: 1 x C16 A miniature circuit breaker, 3-pole





# CEE distributor

## BENEFITS

- **Ideal for mobile use outdoors**
- **Highly unbreakable plastic version**
- **Splash-proof**
- **With practical cable rewind and integrated carrying handle**

**CEE distributor | 250 V~ / 400 V~ | IP44**

#	
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**CEE distributor** | 2.0m supply cable H07RN-F5G 2.50mm<sup>2</sup>

349.008	Input: 1 x CEE plug 16A/400V~ Output: 2 x CEE sockets 16A/400V~ 4 x socket outlets with earthing contact 16A/250V~
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349.008

**CEE distributor with protection** | 4.0m supply cable H07RN-F5G 4.00mm<sup>2</sup>

349.009	Input: 1 x CEE plug 32A/400V~ Output: 1 x CEE socket 32A/400V, 1 x CEE socket 16A/400V~ 4 x socket outlets with earthing contact 16A/250V~ Protection: 1 x C16 A miniature circuit breaker, 3-pole 2 x C16 A miniature circuit breakers, 1-pole
---------	---

349.010	Input: 1 x CEE plug 32A/400V~ Output: 1 x CEE socket 32A/400V~ 1 x CEE socket 16A/400V~ 4 x socket outlets with earthing contact 16A/250V~ Protection: 1 x RCD 40A/0.03A/4-pole on all outputs 1 x C16A circuit breaker, 3-pole 2 x C16A circuit breakers, 1-pole
---------	---

**CEE distributor with protection** | 2.0m H07RN-F 5G 4.00mm<sup>2</sup>

349.011	Input: 1 x CEE plug 400V~/32A/5-pole Output: 2 x CEE sockets 400V~/32A/5-pole 2 x CEE sockets 400V~/16A/5-pole 4 x socket outlets with earthing contact 250V~/16A Protection: 1 x residual current device 40A/30mA, 4-pole 2 x C16 A miniature circuit breakers, 1-pole 1 x C16 A miniature circuit breaker, 3-pole Housing made of special shatter-proof plastic and carrying handle
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349.011

**CEE distributor made from solid rubber** | 2.0m supply cable H07RN-F5G 6.00mm<sup>2</sup>

349.020	Input: 1 x CEE plug 32A/400V~ Output: 1 x CEE socket 32A/400V~ 2 x CEE sockets 16A/400V~ 3 x socket outlets with earthing contact 16A/250V~ Protection: 1 x C16 A miniature circuit breaker, 3-pole 3 x C16 A miniature circuit breakers, 1-pole 1 x RCD 40A/0.03A/4-pole on all outputs
---------	--



349.020



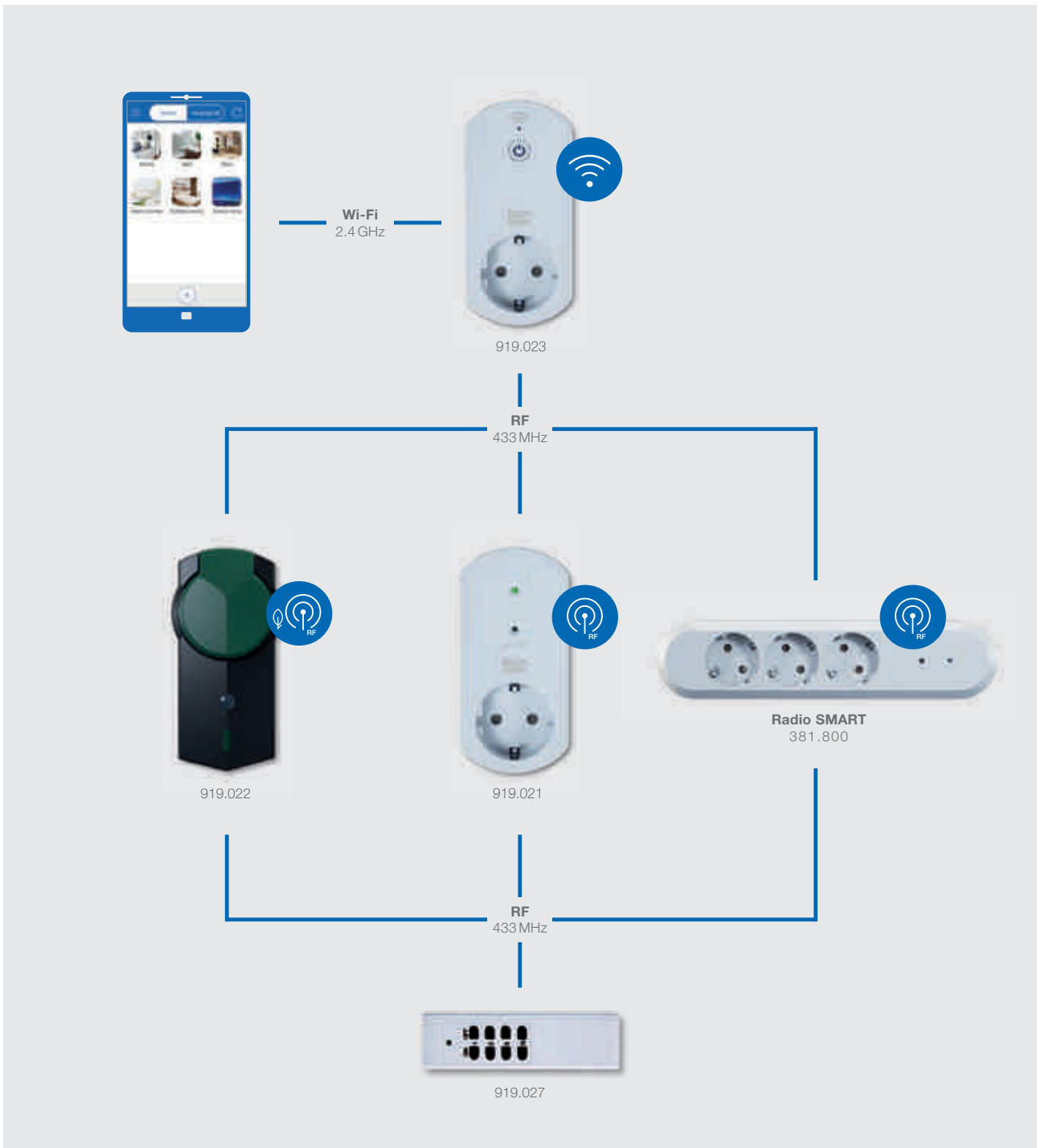
# SMART Adapter

The new SMART Adapter series offers convenience and safety in response to your demand for intelligent living – all packed into a timeless, modern design. The SMART Adapters offer greater security for your entertainment electronics and allow electrical devices to be easily and remotely switched using a smartphone or remote control – and end devices to be charged with USB standard.

Our SMART Adapters with integrated radio remote switches can either be easily put into operation in a Wi-Fi network with a smartphone or tablet app, or by using the remote control option which is also available. Both solutions then allow you the convenience of switching your devices remotely. Wi-Fi SMART Adapters can also be linked with the 433 MHz Radio SMART Adapters. Devices which need to be charged using a USB cable can be charged with a current of up to 3.4 A without sacrificing a socket outlet (1.7 A per port). The surge protection adapter protects electronic devices using state-of-the-art technology.

## BENEFITS

- **Easy to set up and operate**
- **Added safety due to surge protection**
- **USB charger with 3.4 A total charging current**
- **Great convenience and flexibility**
- **Compatible with 433 MHz radio and 2.4 GHz Wi-Fi**
- **Save energy by preventing electronic equipment running unnecessarily in standby mode**



For the suitable **radio SMART power strips** (381.800), see page 28.

## SMART Adapter

#	
<b>Wi-Fi</b>   Adapter plug with integrated Wi-Fi radio remote switch, IP20	
919.023	1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3)   Switching capacity max. 16 A/230V~, single-pole switching with indicator LED, manually switchable   Wi-Fi 2.4 GHz, IEEE 802.11 b/g/n, bidirectional, functional range within the Wi-Fi network   Switchable using mobile app for iOS and Android   Additional gateway for Radio SMART Adapter
<b>Radio 433 MHz</b>   Adapter plug with integrated radio remote switch, IP20	
919.021	1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3)   Switching capacity max. 10 A / 230 V~, single-pole switching with indicator LED, manually switchable   433.92 MHz, unidirectional, radio range 30 m in free field   Switchable using remote control 919.027   Switchable using mobile app for iOS and Android with Wi-Fi adapter (919.023) as the gateway
<b>Radio 433 MHz   Outdoor</b>   Adapter plug with integrated radio remote switch, IP44	
919.022	1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/4 on 7/3)   Switching capacity max. 10 A/230V~, single-pole switching with indicator LED, manually switchable   433.92 MHz, unidirectional, radio range 30 m in free field   Switchable using remote control 919.027   Switchable using mobile app for iOS and Android with Wi-Fi adapter (919.023) as the gateway
<b>USB</b>   Adapter plug with integrated 2-way USB charger, IP20	
919.024	1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3)   Total charging current for USB charger: max. 3.4A/5V~ (1.7A per port)
<b>Surge protection</b>   Adapter plug with integrated surge protection, 16 A/230V~, IP20	
919.025	1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/4 on 7/3)   With function and mains voltage LED   SPD type 3 as per EN 61643-11:2011/IEC 61643-1:2011   Up: L-N: 2.0kV; L/N-PE: 1.5kV, Uoc 6kV, UC 250 V AC, IL 16 A, Ip 6.5 kA, Isc 1.5 kA, Ta < 25 ns

## Accessories

#	
<b>Radio remote control for Radio SMART Adapters</b>   For remotely controlling Radio SMART products   White	
919.027	Operated with replaceable battery CR2032/3 V   433.92 MHz, unidirectional, radio range 30 m in free field   3 channels ON/OFF with 1 x Radio SMART Adapter or SMART power strip 381.800 (see p. 28) with radio remote switch



919.023



919.021



919.022



919.024

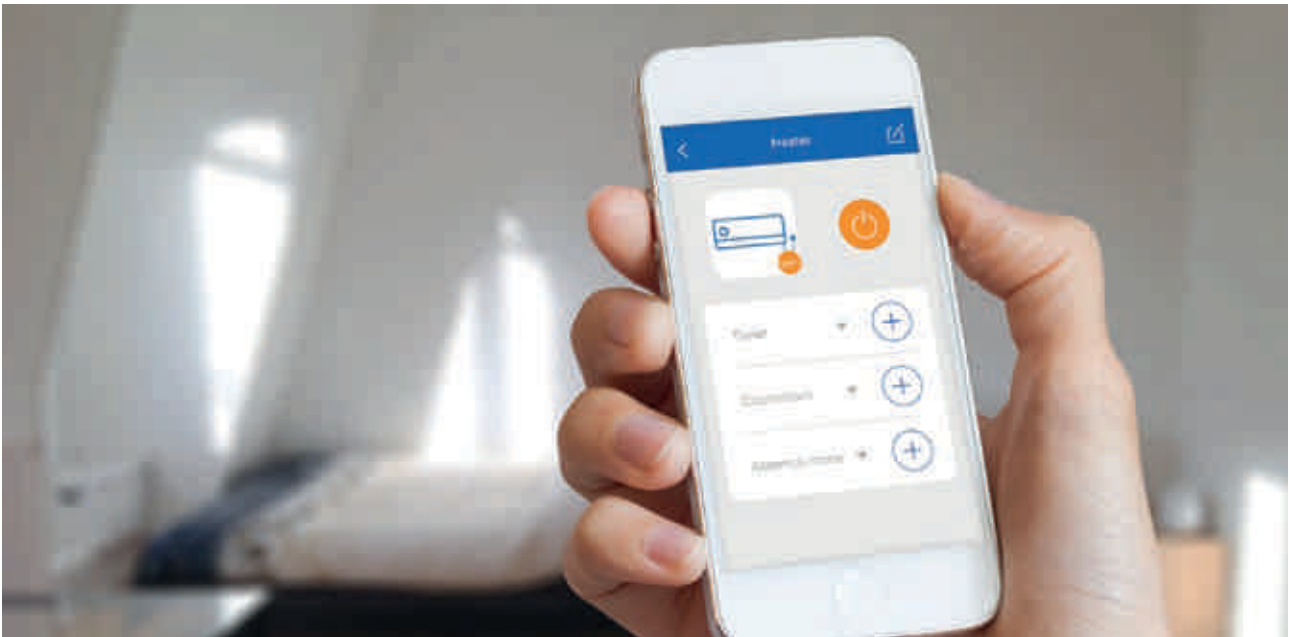


919.025



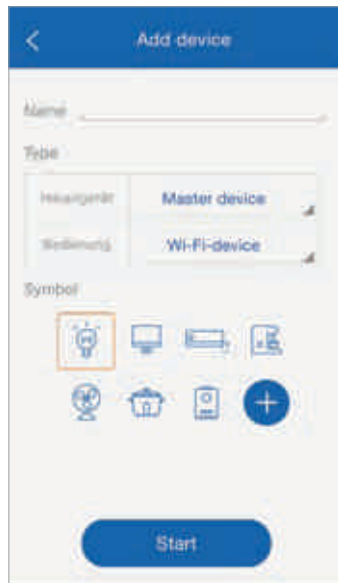
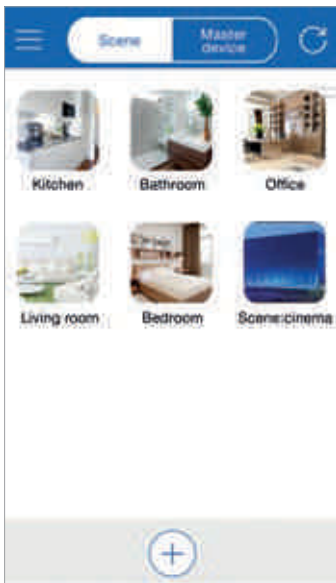
919.027





## BACHMANN SMART APP

Control your BACHMANN SMART Adapter via your smartphone or tablet.



### Functions:

- Switch adapter ON/OFF
- Configure various scenarios
- Timer, countdown and absence mode
- Range across entire Wi-Fi network
- For SMART Wi-Fi adapter (919.023)
- For Radio SMART adapter (919.021, 919.022) and radio power strip (381.800) with SMART Wi-Fi adapter as the gateway

For iOS and Android.



# Timer switches

## Mechanical timer switches

- 24h, 16A/250V~/3680W
- Plastic version with shutter
- Easy to use

#	
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### Timer switch

852.101	White   121 x 74 x 76 mm (LxWxH)   Smallest possible switching interval: 15 minutes   96 switch-on and switch-off times possible per day (24 h)
---------	---

### IP44 timer switch

852.107	Splash-proof   129x59x86 mm (LxWxH)   With transparent hinged lid   Suitable for use in damp environments   Operating temperature range: -25 °C to +55 °C   Smallest possible switching interval: 30 minutes   48 switch-on and switch-off times possible per day (24 h)
---------	--

### Mini timer switch

852.104	White   103x54x70 mm (LxWxH)   Smallest possible switching interval: 30 minutes   48 switch-on and switch-off times possible per day (24 h)   Switch to override timer function
---------	---



852.101



852.107



852.104

## Digital timer switch

- 24h, 16A/250V~/3680W
- Plastic version with LCD display, with shutter
- Easy to use
- Integrated, rechargeable battery

#	
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852.103	White   120x64x76 mm (LxWxH)   Smallest possible switching interval: 1 minute   Programmable by the day or by the week   Built-in random generator   Countdown function   Resettable
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852.103

# Energy measuring instrument

## Energy measuring instrument, 160 – 250 V~

#	
852.9821	White   Energy-efficient   Large LCD display with blue background light   Digital display of electricity consumption, energy costs (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, internal consumption <1 W




852.9821

# Thermostat adapter

## Thermostat adapter 16 A/250 V~/50 Hz/3680 W (9 A/2070 W)

· Temperature-controlled socket


#	
<b>Series 8141 power socket Thermo</b>	
924.1740	Built-in thermostat   Temperature can be set between 5 °C–30 °C   Manually adjustable temperature controller and changeover switch for hot/cold   LED display for operating statuses



924.1740

# Multiple plug

## Multiple plug

#	
921.271	White   max. 2.5 A/250 V~   2x Euro sockets



921.271




Adapters are not voltage transformers. They are not suitable for long-term use.

# Travel adapters

## Travel plugs, 3-pole

- Socket side: socket outlet with earthing contact
- Plug colour: white

#	
<b>Nema</b>	
921.004	15A/125V~   Plug pin side: USA
<b>UTE</b>	
921.005	10/16A/250V~   Plug pin side: France, Belgium, Czech Republic, Poland
<b>UK</b>	
921.010	13A/250V~   Plug pin side: UK, Ireland, Malta, Hong Kong, Cyprus   Integrated 13A micro fuse, replaceable
900.1077	13A/250V~   Replacement fuse/13A micro fuse, 3.3x254 mm (agile fuse)
<b>T12</b>	
921.011	10A/250V~   Plug pin side: Switzerland



## Adapters for the earthing contact system

- Plug pin side: socket outlet with earthing contact

#	
<b>Travel plug 10/16A/250V~</b>	
921.000	2-pole and 3-pole   Grey   Plug pin side: earthing contact, Germany, France, Belgium, with dual earthing contact system   Socket side: universal, suitable for all standard plugs   Worldwide, with shutter
<b>Travel plug 15A/125V~</b>	
921.003	3-pole   White   Plug pin side: earthing contact, Germany, France, Belgium, with dual earthing contact system   Socket side: USA
<b>Travel plug 10A/250V~</b>	
921.012	3-pole   White   Plug pin side: earthing contact Germany   Socket side: T12 (Switzerland)




## Travel plug adapters

- Earthing contact system adapter, storage bag and interchangeable country adapters

#	
<b>Multicoloured</b>   16A/250V~   Protection class 1	
914.670	Red: Liechtenstein, Switzerland   Green: Chile, Greece, Italy   Blue: Africa, Asia, Commonwealth countries, UK, Ireland, Middle East   Black: CIS, Japan, Canada, Central and South America, South and East Asia, USA   Yellow: Australia, New Zealand and parts of China
<b>Black</b>   3-pole	
914.672	The only travel plug approved by KEMA   Suitable for: Italy, UK, Ireland, Africa, Asia USA, Canada, Japan, Switzerland, Liechtenstein, China, Australia, New Zealand



 **Adapters are not voltage transformers. They are not suitable for long-term use.**

# Personal protection

## PRCD-S extension cable

- 16A/250V~, 30mA, IP44
- With protective conductor monitoring
- Cable lengths: plug – PRCD-S: 0.15 m, PRCD-S – coupling: 3.0 m
- Non-stationary PRCD-S protective device fitted with H07RN-F 3G 1.5 mm<sup>2</sup> cable
- Packed in a robust case
- Black

#	
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### Solid rubber coupling, 1-way

919.014	End 1: Solid rubber right-angled plug with 2 earthing contact systems End 2: Solid rubber coupling with lid
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919.014

### Solid rubber coupling, 3-way

919.015	End 1: Solid rubber right-angled plug with 2 earthing contact systems End 2: Solid rubber coupling, 3-way with lid
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919.015

## PRCD-S intermediate device

- 16A/250V~, 30mA, IP55
- Differential current protection device with electronic error current evaluation for alternating and pulsed DC residual currents
- With undervoltage tripping, protective conductor presence and monitoring
- Specially designed as a protective distributor for small construction sites as recommended by the BGFE employers' liability association, Cologne (ZH1/271) and for all non-stationary electrical equipment.
- For cable cross section 1 mm<sup>2</sup> – 2.5 mm<sup>2</sup>
- 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 cannot then be switched on.
- Black

#	
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### PRCD-S

919.016	Test marks by BG (German employers' liability association), Cologne SEV, VDE, GS   Conforms to DGUV-I 203-006   Including protective conductor monitoring
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919.016

## PRCD-K intermediate device

- 16A/250V~, 30mA, IP55
- Differential current protection device with electronic error current evaluation for alternating and pulsed DC residual currents
- With undervoltage tripping
- For cable cross section 1 mm<sup>2</sup> – 2.5 mm<sup>2</sup>
- Specially designed as a protective distributor for fire fighters and emergency services, suitable for all non-stationary electrical equipment, especially when using generators
- 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-K to interrupt all poles
- Black

#	
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### PRCD-K


919.018	Test marks by VDE, TÜV, GS   Conforms to DGUV-I 203-006   No protective conductor monitoring
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919.018

### Extension cable with earthing contact with PRCD

- 16 A/250 V~/3,600 W, IP44
- Without protective conductor monitoring
- 3.0m HO7BQ-F3G 1.5mm<sup>2</sup>, with PRCD 919.189 personal circuit breaker fitted at approx. 1.5m
- Individually packed in plastic bag


#	
<b>Black/orange</b>	
341.880	End 1: Mounting plug 913.173 End 2: Mounting coupling 919.177



341.880

### PRCD intermediate device

- 16 A / 250 V~ / 3,600 W, IP55
- Without protective conductor monitoring
- 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 conductor (PE) is not interrupted


#	
<b>Black</b>	
919.190	Tripping current < 10 mA   Tripping time < 30 ms
919.189	Tripping current < 30 mA   Tripping time < 30 ms



919.190

### PRCD adapters

- 16 A/250 V~/50 Hz/3680 W, IP44
- Without protective conductor monitoring
- 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

#	
<b>PRCD adapter</b>	
919.284	White   Plug with PRCD with hinged lid
<b>PRCD mounting plug</b>	
919.183	Black   Plug with PRCD   Suitable for up to H05RNF-F3 1.5mm <sup>2</sup> rubber cable



919.284



919.183

# CEE adapters

## CEE adapter, 400V~, IP44

- Highly shatter-proof special plastic version, splash-proof
- For outdoor use, hanger included

#	
349.012	Input: 1 x CEE plug 16A/400V~ Output: 1 x CEE socket 32A/400V~
349.006	Input: 1 x CEE plug 16A/400V~ Output: 1 x CEE socket 16A/400V~ 1 x CEE socket 32A/400V~ 2 x socket outlets with earthing contact 250V~
349.028	Input: 1 x CEE plug 16A/400V~ Output: 3 x socket outlets with earthing contact 16A/250V~
349.029	Input: 1 x CEE plug 16A/400V~ Output: 1 x CEE socket 16A / 400V~ 3 x socket outlets with earthing contact 16A / 250V~
349.033	Input: 1 x CEE plug 16A/400V~ Output: 3 x CEE sockets 16A/400V~

### Protection: 3 x 10A fuse

349.183	Input: 1 x CEE plug 32A/400V~ Output: 1 x CEE socket 16A/400V~
349.007	Input: 1 x CEE plug 32A/400V~ Output: 1 x CEE socket 16A/400V~ 1 x CEE socket 32A/400V~ 1 x socket outlet with earthing contact 250V~

### CEE adapter with 1 x MCB 16A | Characteristic C | IP44 | Rubber housing

349.013	Input: 1 x CEE plug 32A Output: 1 x CEE socket outlet 16A
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### CEE adapter with 1.5m supply cable: H07RN-F5G 1.5mm² | Screwed | Rewirable

349.027	Input: 1 x CEE plug 16A/400V~ Output: 3 x socket outlets with earthing contact 250V~
349.035	Input: 1 x CEE plug 16A/400V~ Output: 3 x CEE sockets 16A/400V~

## CEE wall-mounted combination socket, 400V~, IP44

- Polycarbonate version with cable kink protection, splash-proof, 6 h/5-pole

#	
910.002	Red   16A   1 x CEE flush-mounted installation box 400V~   1 x socket outlet with earthing contact 250V~



349.012



349.006



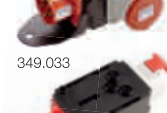
349.028



349.029



349.033



349.183



349.007



349.013



349.027



349.035



349.035




910.002



**Spare parts:** Fuse socket for CEE adapter 900.1086 | Fuse holder for CEE adapter 900.1061 | Micro fuse

## Start inrush current limiter, IP44

#	
<b>230V~   1-phase</b>	
349.017	Input: 1.5 m cable H07RN-F 3G 1.5 with earthing contact plug, black Output: 1 x socket outlet with earthing contact 230V~/16A, 3-pole Suitable for MCB 16 A characteristic B, C
<b>400V~   3-phase</b>	
349.018	Input: 1.5 m cable H07RN-F 5G 1.5; with CEE plug 400V~/16A 5-pole Output: 1 x CEE socket 400V~/16A, 5-pole Suitable for MCB 16 A, characteristic C, D



349.017




349.018



# Mounting plugs / mounting couplings

## SMART PLUG


- With lever and/or ejection mechanism
- Components VDE-approved

#	
<b>Mounting plug – rewirable</b>	
933.008	Black
933.009	White



## FLAT PLUG

- Without lever and/or ejection mechanism
- Components VDE-approved

#	
<b>Mounting plug – rewirable</b>	
933.001	Black
933.002	White



May only be supplied to end user pre-wired | Only to be wired by qualified technicians

For other versions of the **SMART PLUG** and **FLAT PLUG**, see pages 30, 73 and 78.

### Solid rubber plug 16A/250V~ | Black

#	
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#### Plug

913.173	IP44, DIN 49441-2-AR1   For mounting on cables up to H07RN-F 3G 2.50mm <sup>2</sup>   Solid rubber insert with earthing contact   Standardised snap latch and kink protection   Screws and terminal blocks on side   Temperature range -40°C to 70°C
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913.173

#### Right-angled plug

919.171	IP44, DIN 49441-2-AR1   For mounting on cables up to H07RN-F 3G 2.50mm <sup>2</sup>   Robust industrial version with solid rubber insert with earthing contact   Standardised snap latch   Surface clamps and metal strain relief   Screws and terminal blocks on side   Temperature range -40°C to 70°C
---------	--



919.171

919.178	With dual earthing contact system   IP44, DIN 49441-2-AR1   For mounting on cables up to H07RN-F 3G 2.50mm <sup>2</sup>   Robust industrial version with solid rubber insert with earthing contact   Standardised snap latch   Surface clamps and metal strain relief   Screws and screw terminal blocks on side   Temperature range -40°C bis 70°C
---------	---



919.178

#### Contour plug, 2-pole

919.179	For mounting on cables up to H07RN-F 2x 2.50mm <sup>2</sup> , without earthing contact   Snap latch; may only be supplied to end user pre-wired
---------	---



919.179

### Solid rubber couplings 16A/250V~ | Black

- DIN 49440-2-D-AR1nik
- For mounting on cables up to H07RN-F 3G 2.50mm<sup>2</sup>
- Temperature range -40°C to 70°C

#	
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#### Coupling

913.175	Solid rubber insert with earthing contact and screws to side   Robust industrial version with surface clamps and standardised snap latch
---------	--



913.175

919.177	IP44   Thermoplastic insert with earthing contact and screws to side and lid   Robust industrial version with surface clamps and standardised snap latch
---------	--



919.177

#### 3-way coupling

913.170	IP44   Solid rubber insert with earthing contact   Robust industrial version with hinged lid and hanger, standardised snap latch and kink protection   Screws and terminal blocks on side   For permanent outdoor use and on construction sites
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913.170

### Rubber plugs and couplings 16A/250V~ | Black

- For mounting on cables up to H07RN-F 3G 2.50mm<sup>2</sup>

#	
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#### Plug | IP44

913.171	DIN 49441   Thermoplastic insert with dual earthing   Also suitable for France and Belgium   Rotatable strain relief for different cable cross-sections
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913.171

#### Coupling | Thermoplastic insert with earthing contact and strain relief

913.174	DIN 49440
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913.174

919.176	IP44, DIN 49440   With lid
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919.176

 May only be supplied to end user pre-wired | Only to be wired by qualified technicians

## Earthing contact plug 16 A/250 V~

#	
<p><b>Central plug   Large version</b>   Shatter-proof plastic   Robust   With strain relief and protective rubber sleeve   With dual earthing contact system   H05VV-F 3G 0.75/1.0/1.5 mm<sup>2</sup></p>	
960.101	Black
960.201	White
960.301	Grey
<p><b>Central plug DIN 49441   Large version</b>   Shatter-proof plastic with strain relief   H05VV-F 3G 1.0 mm<sup>2</sup></p>	
910.971	Grey
<p><b>Central plug DIN 49441   Small version</b>   Shatter-proof plastic, with strain relief   H05VV-F 3G 1.0 mm<sup>2</sup></p>	
910.170	Black
910.270	White
910.470	Brown
<p><b>Right-angled plug</b>   Shatter-proof plastic   Robust   With strain relief and protective rubber sleeve   With dual earthing contact system   H05VV-F 3G 0.75/1.0/1.5 mm<sup>2</sup></p>	
960.102	Black
960.202	White
960.302	Grey
<p><b>Right-angled plug   Small version</b>   Shatter-proof plastic, with lateral earthing contact   H05VV-F 3G 1.5 mm<sup>2</sup></p>	
911.172	Black
911.272	White
<p><b>Flat plug / angled</b>   Shatter-proof design, with side entry   H05VV-F 3G 1.50 mm<sup>2</sup></p>	
911.170	Black
911.270	White
911.470	Brown
<p><b>Right-angled plug with switch</b>   Shatter-proof version made from plastic, with 2-pole rocker switch   H05VV-F 3G 1.50 mm<sup>2</sup></p>	
911.171	Black
911.271	White
<p><b>Right-angled plug with control switch</b>   Shatter-proof version made from plastic, with 2-pole illuminated rocker switch   H05VV-F 3G 1.50 mm<sup>2</sup></p>	
911.273	White
<p><b>Mounting plug</b>   Small version, shatter-proof plastic with separate strain relief, no parts that can be lost   H05VV-F 3G 0.75/1.0/1.5 mm<sup>2</sup>   With dual earthing contact system and nickel-plated contacts, e.g. Germany and France</p>	
910.100	Black
910.200	White



960.101



910.971



910.270



960.102



911.272



911.270



911.271



911.273



910.200



May only be supplied to end user pre-wired | Only to be wired by qualified technicians

### Earthing contact couplings 16 A/250 V~

#	
<b>Large version   With shutter</b>   Shatter-proof plastic   With strain relief and protective rubber sleeve   Robust   H05VV-F 3G 0.75/1.0/1.5 mm <sup>2</sup>	
960.103	Black
960.203	White
960.303	Grey
<b>Large version</b>   Shatter-proof plastic, with protective rubber sleeve   H05VV-F 3G 1.5 mm <sup>2</sup>	
912.971	Grey
<b>Small version</b>   Shatter-proof plastic   H05VV-F 3G 1.5 mm <sup>2</sup>	
912.170	Black
912.270	White
912.470	Brown



960.103



960.203



960.303



912.971



912.270

### Euro plugs and couplings 2.5 A/250 V~

- Plastic version
- Packed version: contains 3 items in plastic bag – only supplied in packaging unit of 3
- For flat cables up to H05VV-F 2 x 0.75 mm<sup>2</sup>

#	
<b>Plug</b>	
900.010	Black   With screw terminal, packed, 3 items in each bag
900.002	Black   With screw terminal, unpacked
900.011	White   With screw terminal, packed, 3 items in each bag
900.003	White   With screw terminal, unpacked
<b>Coupling</b>	
900.012	Black   With screw terminal, packed, 3 items in each bag
900.004	Black   With screw terminal, unpacked
900.013	White   With screw terminal, packed, 3 items in each bag
900.005	White   With screw terminal, unpacked



900.002



900.003



900.004



900.005

### Safety connector Perilex plug 16 A | 400/230 V~

- Side entry, 3-pole + N + E
- IP20

#	
349.206	White



349.206

May only be supplied to end user pre-wired | Connection only by qualified technicians


## International solid rubber plug and coupling 16A/250V~ | Black

- Up to max. H07RN-F 3G 2.5mm<sup>2</sup>
- Belgian/French system
- IP44, thermoplastic and solid rubber version, with snap latch

#	
	
<b>Plug</b>	
913.169	With dual earthing contact   With side fitting, socket and surface clamps
<b>Coupling</b>	
919.169	With snap latch and protection against contact   With thermoplastic lid




## International earthing contact plugs


#	
	
<b>Switzerland CH, 10 A/250 V~</b>   Cables up to 3G 1.00 mm <sup>2</sup>   Thermoplastic version   With strain relief	
910.175	T12 plug, black
910.275	T12 plug, white
<b>UK, 13 A/250 V~</b>   Cables up to 3G 1.50 mm <sup>2</sup>   Plastic version   Integrated 13A micro fuse   With strain relief	
910.176	Black
910.276	White
<b>USA, 15 A/125 V~</b>   3-pole Nema 5-15P   Non-polarised   Thermoplastic version	
910.179	Black
<b>USA</b>   2-pole   Non-polarised, duroplast	
910.178	Black
<b>Italy, 10 A/250 V~</b>   3-pole   Thermoplastic version	
910.174	Black
<b>Australia, 10 A/250 V~</b>   3-pole   With insulated pins and sleeve	
910.182	Black
910.282	White



## International couplings with earthing contacts


#	
	
<b>Switzerland CH, 10 A/250 V~ (T13)</b>	
912.174	Black
912.274	White
<b>UK, 13 A/250 V~</b>   With function display   Thermoplastic version	
910.177	black
910.277	White
<b>UTE/Belgium/France 16 A/250 V~ with earthing pin</b>   With protective rubber sleeve   Thermoplastic version	
912.173	Black
912.273	White



 May only be supplied to end user pre-wired | Only to be wired by qualified technicians

# Non-heating devices / heating devices

## Non-heating device plugs and sockets 10 A/250 V~ | 70 °C | 2-pole with earthing contact

#	
	
<b>C14 non-heating device plug with earthing contact</b>   For cables up to 3G 1.00 mm <sup>2</sup> , thermoplastic version   Screw terminal, protective rubber sleeve and strain relief	
915.171	Black
915.271	White
915.971	Grey, similar to RAL7035
<b>C14 non-heating device right-angled plug with earthing contact</b>   For cables up to 3G 1.00 mm <sup>2</sup> , thermoplastic version   Screw terminal, protective rubber sleeve and strain relief, cable exit to right	
915.172	Black
<b>C13 non-heating device socket with earthing contact</b>   For cables up to 3G 1.00 mm <sup>2</sup> , thermoplastic version   Screw terminal, protective rubber sleeve and strain relief	
915.170	Black
915.270	White
915.970	Grey, similar to RAL7035
<b>C13 non-heating device right-angled socket with earthing contact</b>   For cables up to 3G 1.00 mm <sup>2</sup> , thermoplastic version   Screw terminal, protective rubber sleeve and strain relief, cable exit to right	
915.173	Black
915.973	Grey, similar to RAL7035
<b>C14 non-heating device built-in plug</b>   E   Thermoplastic version with screw terminal	
917.170	Black
<b>C13 non-heating device built-in socket</b>   F   Thermoplastic version with screw terminal	
917.171	Black



915.271



915.270



915.973



917.170



917.171



915.175



915.174




917.173



917.172


## Non-heating device plugs and sockets 16 A/250 V~ | 70 °C | 2-pole with earthing contact

#	
	
<b>C20 non-heating device plug</b>   Thermoplastic version   With protective rubber sleeve, for cable mounting	
915.175	Black
<b>C19 non-heating device socket</b>   For cables up to 3G 1.50 mm <sup>2</sup>   Thermoplastic version   Protective rubber sleeve for cable mounting	
915.174	Black
<b>C20 non-heating device built-in plug</b>   Thermoplastic version	
917.173	Black
<b>C19 non-heating device built-in socket</b>   J   Thermoplastic version	
917.172	Black



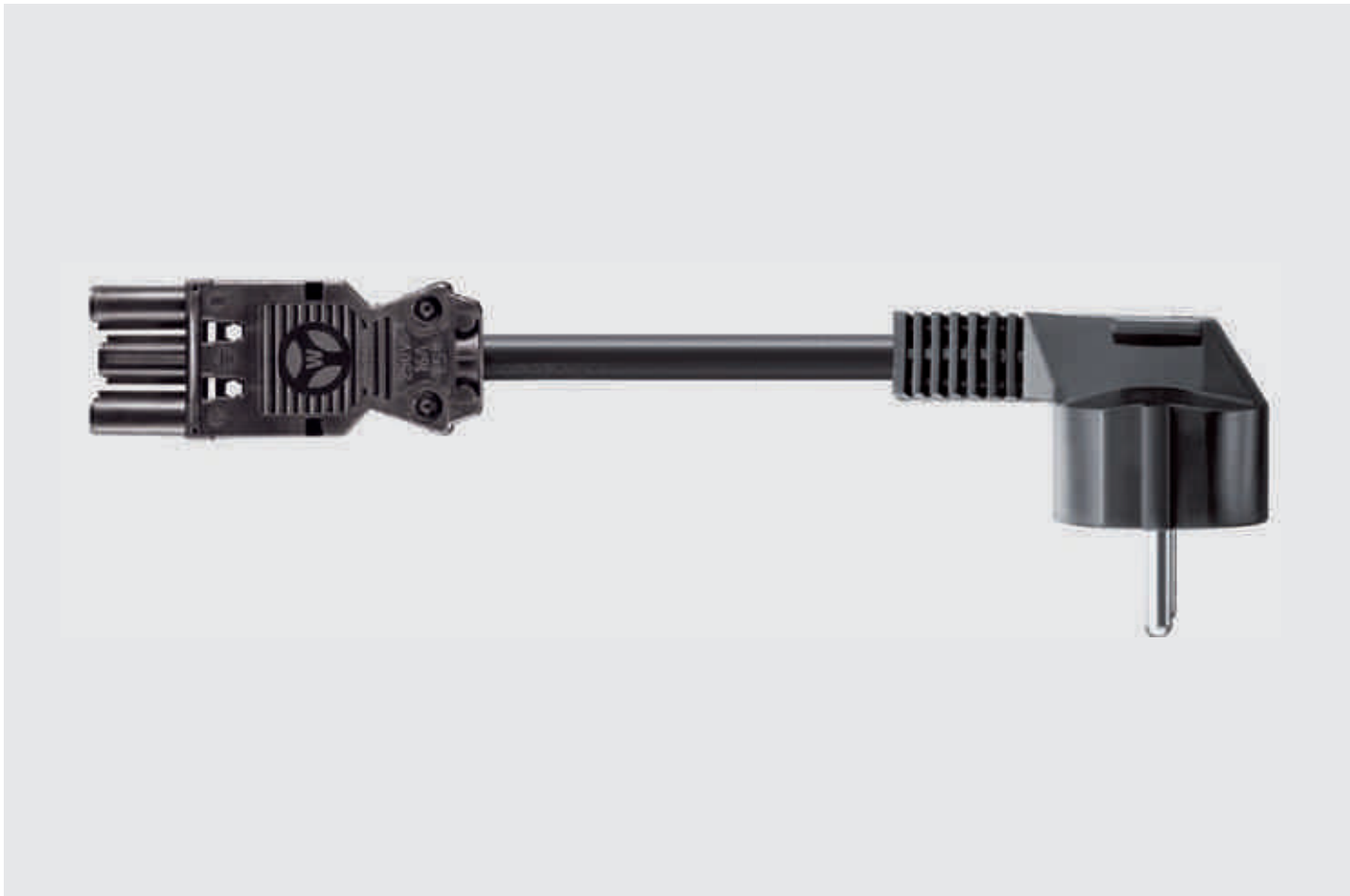
May only be supplied to end user pre-wired | Only to be wired by qualified technicians

## Heating device plugs and sockets | 2-pole with earthing contact

#	
	
<b>C16A heating device built-in plug</b>   E   10A/250V~   155 °C   Thermoplastic version with screw terminal	
918.170	Black
<b>C15A heating device socket</b>   10A/250V~   155 °C   For cables up to 3G 1.00 mm²   Thermoplastic version   Screw terminal, protective rubber sleeve and strain relief	
916.170	Black
916.970	Grey (similar to RAL7035)
<b>C21 heating device socket</b>   16A/250V~   155 °C   Protective rubber sleeve for cable mounting	
918.171	Black



May only be supplied to end user pre-wired | Only to be wired by qualified technicians



# Wieland installation connection system

Cables fitted with the Wieland GST18 connector system are available to connect products to the mains power supply. The benefits of these cables and their plug connectors, which are used all over the world, are flexibility in terms of length, the possibility of interchanging 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.




**wieland**



### Screw terminal


- Ready for mounting, with strain relief
- For cross section 0.75 – 2.5 mm<sup>2</sup>, solid and flexible wires can be connected without ferrules
- For cable diameters 6.5 – 10.5 mm (H05VV, NYM)

#	
<b>Device plug, GST18i3</b>	
375.504	Black   Wieland 99.403.4396.1
375.517	White   Wieland 92.932.3053.0
<b>Device coupling, GST18i3</b>	
375.505	Black   Wieland 99.404.4396.1
375.514	White   Wieland 92.931.3053.0



### Spring-loaded terminal


- Ready for mounting, with strain relief
- For rigid cables 1.5 – 2.5 mm<sup>2</sup> or flexible cables 1.5 mm<sup>2</sup> with ferrules
- 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 – 10.3 mm)

#	
<b>Device plug, GST18i3</b>	
940.073	Bright red   Wieland 92.934.0553.0
940.074	Pebble grey   Wieland 92.934.0153.0
<b>Device coupling, GST18i3</b>	
940.070	Bright red   Wieland 92.933.0553.0
940.071	Pebble grey   Wieland 92.933.0153.0



### Spring-loaded snap-in

- With interlock
- Flexible cables 0.5 – 1.5 mm<sup>2</sup> with ferrules
- Rigid cables 0.5 – 2.5 mm<sup>2</sup>

#	
<b>Built-in plug, GST18i3</b>	
375.506	Black   Wieland 92.032.9658.1
<b>Built-in coupling, GST18i3</b>	
375.507	Black   Wieland 92.031.9658.1



## Device supply cable, GST18

#	
---	---

### GST18 – earthing contact plug

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket

375.000	1.5m   Black
375.075	2.0m   Black
375.003	3.0m   Black
375.005	4.0m   Black
375.007	5.0m   Black
375.039	10.0m   Black



### GST18 – earthing contact plug | Halogen-free cable

Cable: S05Z1Z1-F 3G 1.50mm<sup>2</sup> | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket

375.044	2.0m   Black
375.045	3.0m   Black
375.046	5.0m   Black

### GST18 – CH/Switzerland plug

Cable: H05VV-F 3G 1.00mm<sup>2</sup> | End 1: CH/Switzerland plug | End 2: Wieland GST18i3 socket

375.016	1.5m   Black
375.017	3.0m   Black
375.018	5.0m   Black



### GST18 – 13 A UK plug

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: 13 A UK plug | End 2: Wieland GST18i3 socket

375.068	2.0m   Black
375.069	3.0m   Black
375.070	4.0m   Black



## GST18 Device supply cable with additional earth connection

- Pre-assembled power supply cables with integrated earth connection
- The power strip is earthed independently of the installation
- Ideal in combination with STEP power strips (see page 24 onwards)
- Table-mounted frames can be earthed independently of the integrated power strip

#	
---	---

### GST18 earthing contact plug

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket with 0.3m | 1.50mm<sup>2</sup> green/yellow, with M6 ring terminal

375.115	2.0m   Black
375.116	3.0m   Black
375.117	5.0m   Black



### GST18 device extension cable

#	
---	---

#### GST18/GST18

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: Wieland GST18 i 3 plug | End 2: Wieland GST18 i 3 socket

375.050	0.3m
375.053	1.0m
375.038	2.0m
375.055	3.0m



375.050

#### GST18/GST18 | Halogen-free cable

Cable: H05Z1Z1-F3G 1.50mm<sup>2</sup> | End 1: Wieland GST18 i 3 plug | End 2: Wieland GST18 i 3 socket

375.080	0.3m
375.081	1.0m
375.082	2.0m
375.083	3.0m

### GST15/GST18 device extension cable

#	
---	---

#### GST15/GST18

Cable: H05VV-F 3G 1.50 mm<sup>2</sup> | End 1: Wieland GST15 i 3 plug | End 2: Wieland GST18 i 3 socket

375.127	1.5m
375.128	3.0m
375.129	5.0m



375.127

### ST18 device supply cable/device extension cable

· Old connector system, cannot be plugged in under load

#	
---	---

#### ST18 / earthing contact plug device supply cable

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: right-angled plug with earthing contact | End 2: Wieland ST18/3 socket

375.079	2.0m
375.040	3.0m
375.076	5.0m



375.079

#### ST18/ST18 device extension cable

Cable: H05VV-F 3G 1.50mm<sup>2</sup> | End 1: Wieland ST18/3 plug | End 2: Wieland ST18/3 socket

375.071	0.5m
375.072	1.0m
375.073	1.5m
375.064	3.0m



375.071

### Interlocks

#	
---	---

#### Interlock for device plugs and couplings | Compliant with VDE 0628

375.518	Snaps onto the relevant plugs and couplings
---------	---



375.518

#### Latching hook (interlock) | Compliant with VDE 0628

375.501	Black   For snap-in built-in plug and coupling
---------	--



375.501

## Connectors/distributors

#	
---	--

**Intermediate coupling** | No interlock | Allows easy linking of e.g. 2 STEP power strips with the same or different connector systems | 1 x input (plug section) and 1 x output (socket section)

375.500	GST/GST   Black
375.515	GST/ST   Black
375.516	ST/GST   Black

### Distributor block, GST18i3

For power distribution | Input: 3-pole plug section | Output: 3-pole socket section

375.107	1 x input, 2 x output   Black   With mounting option
375.102	1 x input, 2 x output   Black   Without mounting option
375.123	1 x input, 3 x output   Black   With mounting option

### Distributor block, GST18i5

Through-wiring for 3-phase power, 5 and 3-pole | Input: 1 x 5-pole plug | Output: 1 x 5-pole socket | 2 x 3-pole socket per phase

375.106	1 x input, 1 + 6 x output   Black
---------	-----------------------------------



375.500



375.107



375.102



375.123



375.106

## Accessories

#	
---	--

375.503	<b>End cap</b>   Black   Inserts into the snap-in fitted plug and coupling
375.542	<b>Base plate</b>   for GST18 distributor with mounting option



375.503



375.542

# Extension cables

## 16 A CEE extension cable | Rubber/neoprene

- 400V~ | 70 °C | IP44
- End 1: CEE plug 16 A / 6 h / 400V~
- End 2: CEE coupling 16 A/6h/400 V~
- For outdoor use and on construction sites

#	
<b>Cable: H07RN-F5G 1.50 mm<sup>2</sup></b>	
344.170	5.0m   Black
344.171	10.0m   Black
344.172	25.0m   Black
<b>Cable: H07RN-F5G 1.50 mm<sup>2</sup>   With phase inverter</b>	
344.174	10.0m   Black
344.175	25.0m   Black
<b>Cable: H07RN-F5G 2.50 mm<sup>2</sup></b>	
347.170	5.0m   Black
347.171	10.0m   Black
347.172	25.0m   Black



347.172

## 32 A CEE extension cable | Rubber/neoprene

- 400V~ | 70 °C | IP44
- End 1: CEE plug 32 A/6h/400V~
- End 2: CEE coupling 32 A/6h/400 V~
- For outdoor use and on construction sites


#	
<b>Cable: H07RN-F5G 4.00 mm<sup>2</sup>   Surrounding temperature during use up to 25 °C</b>	
346.170	5.0m   Black
346.171	10.0m   Black
346.172	25.0m   Black
<b>Cable: H07RN-F5G 6.00 mm<sup>2</sup></b>	
348.171	10.0m   Black
348.172	25.0m   Black



346.172

### Extension cable with earthing contact | Rubber/neoprene | 3-way rubber overhead coupling


- 16 A / 250 V~ | 70°C | IP44
- End 1: central plug with earthing contact
- End 2: 3-way rubber overhead coupling with hinged lid and standardised snap latch

#	
<b>Cable: H07RN-F3G 1.50 mm<sup>2</sup></b>	
343.174	5.0m   Black
343.175	10.0m   Black
343.176	25.0m   Black



### Extension cable with earthing contact | Rubber/neoprene | Heavy-duty version

- 16 A / 250 V~ | 70°C | IP44
- End 1: central plug with earthing contact
- End 2: coupling with earthing contact with lid
- Heavy-duty version for outdoor use and on construction sites

#	
<b>Cable: H07RN-F3G 1.50 mm<sup>2</sup></b>	
343.170	5.0m   Black
343.171	10.0m   Black
343.172	25.0m   Black
343.173	50.0m   Black
<b>Cable: H07RN-F3G 2.50 mm<sup>2</sup></b>	
343.191	10.0m   Black
343.192	25.0m   Black



### Extension cable with earthing contact | Rubber

- 16 A / 250 V~ | 70°C | IP44
- End 1: central plug with earthing contact
- End 2: coupling with earthing contact with lid

#	
<b>Cable: H05RR-F3G 1.50 mm<sup>2</sup></b>	
343.179	10.0m   Black
343.177	25.0m   Black



### Lawnmower extension cable | Rubber/neoprene

- 16A/250V~ | 70 °C | IP44
- End 1: central plug with earthing contact
- End 2: coupling with earthing contact with lid

#	
<b>Cable: H07RN-F3G 1.50mm<sup>2</sup></b>	
343.373	15.0m   Red
343.370	25.0m   Red
343.372	35.0m   Red
343.371	50.0m   Red



343.370

### Extension cable with earthing contact | PVC

- 16A/250V~ | 70 °C | IP20
- End 1: central plug with dual earthing contact system, moulded
- End 2: coupling with earthing contact, moulded with lid

#	
<b>Cable: H05VV-F 3G 1.50mm<sup>2</sup></b>	
341.879	10.0m   Orange
341.870	25.0m   Orange



341.879  
Similar to illustration

### Extension cable with earthing contact | PVC

- 16A/250V~ | 70 °C
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: coupling with earthing contact, moulded

#	
<b>Cable: H05VV-F 3G 1.50mm<sup>2</sup></b>	
341.284	2.0m   White
341.184	2.0m   Black
341.285	3.0m   White
341.185	3.0m   Black
341.287	4.0m   White
341.286	5.0m   White
341.186	5.0m   Black
341.288	7.5m   White
341.289	10.0m   White
341.189	10.0m   Black
341.281	15.0m   White
<b>Cable: H05VV-F 3G 1.50mm<sup>2</sup>   With shutter</b>	
341.200S	2.0m   White
341.201S	3.0m   White
341.202S	5.0m   White
341.203S	10.0m   White



341.285



341.201S

### Euro extension cable | PVC

- 2.5 A/250 V~ | 70 °C
- End 1: Euro plug, fitted, type 20
- End 2: Euro coupling, fitted, type 23

#	
<b>Cable: H03VVH2-F2 0.75 mm<sup>2</sup></b>	
233.284	2.0m   White
233.184	2.0m   Black
233.285	3.0m   White
233.185	3.0m   Black
233.286	5.0m   White
233.186	5.0m   Black



### C14/C13 non-heating device extension cable | PVC

- 10 A/250 V~ | 70 °C
- End 1: C14 non-heating device plug
- End 2: C13 non-heating device socket

#	
<b>Cable: H05VV-F 3G 0.75 mm<sup>2</sup></b>	
356.974	2.0m   Grey   Individually packed
<b>Cable: H05VV-F 3G 1.00 mm<sup>2</sup></b>	
356.900	0.5m   Grey   Individually packed
356.119	0.5m   Black   Unpacked
356.901	0.75m   Grey   Individually packed
356.169	0.75m   Black   Individually packed
356.902	1.0m   Grey   Individually packed
356.120	1.0m   Black   Unpacked
356.903	1.5m   Grey   Individually packed
356.127	1.5m   Black   Unpacked
356.904	2.0m   Grey   Individually packed
356.171	2.0m   Black   Individually packed
356.975	3.0m   Grey   Individually packed



### C20/C19 non-heating device extension cable | PVC

- 16 A/250 V~ | 70 °C
- End 1: C20 non-heating device plug
- End 2: C19 non-heating device socket

#	
<b>Cable: H05VV-F 3G 1.50 mm<sup>2</sup></b>	
356.1731	0.5m   Black
356.910	0.5m   Grey
356.1732	0.75m   Black
356.911	0.75m   Grey
356.1733	1.0m   Black
356.918	1.0m   Grey
356.183	1.5m   Black   Unpacked
356.935	1.5m   Grey
356.174	2.0m   Black   Unpacked
356.936	2.0m   Grey
356.175	3.0m   Black   Unpacked





### SMART PLUG extension cable


- With lever and/or ejection mechanism
- Components VDE-approved

#	
<b>Coupling with earthing contact   With 3.0m H05VV-F 3G 1.5</b>	
933.010	Black
933.011	White
<b>Coupling with earthing contact   With 1.5m H05VV-F 3G 1.5</b>	
933.012	Black
933.013	White



### FLAT PLUG extension cable

- Without lever and/or ejection mechanism
- Components VDE-approved

#	
<b>Coupling with earthing contact   With 1.5m H05VV-F 3G 1.5</b>	
933.005	Black
933.006	White




For other versions of the **SMART PLUG** and **FLAT PLUG**, see pages 30, 57 and 78.

# Supply cables/ connection cables

## Supply cable with earthing contact | Rubber/PUR

- Maximum load according to conductor cross-section | 250V~
- End 1: Central plug with dual earthing contact system, moulded plug with splash-water protection!
- End 2: 30 mm stripped with ferrules


#	
<b>Cable: H05BQ-F 3G 1.00 mm<sup>2</sup>   Diameter approx. 7.9 mm</b>	
328.875	3.0m   Orange   Unpacked
328.876	5.0m   Orange   Unpacked
<b>Cable: H07BQ-F 3G 1.50 mm<sup>2</sup>   Diameter approx. 8.6 mm</b>	
327.875	3.0m   Orange   Unpacked
327.876	5.0m   Orange   Unpacked



328.875

## Supply cable with earthing contact | Neoprene

- Maximum loading according to conductor cross-section | 250V~
- End 1: Central plug with dual earthing contact system, moulded plug with splash-water protection!
- End 2: 30 mm stripped with ferrules

#	
<b>Cable: H05RR-F 3G 0.75 mm<sup>2</sup>   Diameter approx. 6.7 mm</b>	
321.174	2.0m   Black   Unpacked
321.175	3.0m   Black   Unpacked
321.176	5.0m   Black   Unpacked
<b>Cable: H07RN-F 3G 1.00 mm<sup>2</sup>   Diameter approx. 8.9 mm</b>	
320.174	2.0m   Black   Unpacked
320.185	3.0m   Black   Individually packed
320.175	3.0m   Black   Unpacked
320.186	5.0m   Black   Individually packed
320.176	5.0m   Black   Unpacked
<b>Cable: H07RN-F 3G 1.50 mm<sup>2</sup>   Diameter approx. 9.5 mm</b>	
322.184	2.0m   Black   Individually packed
322.174	2.0m   Black   Unpacked
322.185	3.0m   Black   Individually packed
322.175	3.0m   Black   Unpacked
322.186	5.0m   Black   Individually packed
322.176	5.0m   Black   Unpacked
<b>Cable: H07RN-F 3G 2.50 mm<sup>2</sup>   Diameter approx. 11.3 mm</b>	
323.185	3.0m   Black   Individually packed
323.186	5.0m   Black   Individually packed



321.175

### Supply cable with earthing contact | PVC

- Maximum load according to conductor cross-section | 70 °C
- End 1: Right-angled plug with dual earthing contact system, moulded
- End 2: 30 mm stripped with ferrules

#	
---	---

#### Cable: H03VV-F 3G 0.75 mm<sup>2</sup> | Diameter approx. 5.5 mm

301.274	2.0m   White	Unpacked
301.174	2.0m   Black	Unpacked
301.974	2.0m   Grey	Unpacked
301.275	3.0m   White	Unpacked
301.175	3.0m   Black	Unpacked

#### Cable: H05VV-F 3G 1.00 mm<sup>2</sup> | Diameter approx. 7.0 mm

304.274	2.0m   White	Unpacked
304.284	2.0m   White	Individually packed
304.174	2.0m   Black	Unpacked
304.184	2.0m   Black	Individually packed
304.974	2.0m   Grey	Unpacked
304.275	3.0m   White	Unpacked
304.285	3.0m   White	Individually packed
304.175	3.0m   Black	Unpacked
304.185	3.0m   Black	Individually packed
304.276	5.0m   White	Unpacked
304.176	5.0m   Black	Unpacked

#### Cable: H05VV-F 3G 1.50 mm<sup>2</sup> | Diameter approx. 8.0 mm

305.274	2.0m   White	Unpacked
305.284	2.0m   White	Individually packed
305.174	2.0m   Black	Unpacked
305.184	2.0m   Black	Individually packed
305.974	2.0m   Grey	Unpacked
305.275	3.0m   White	Unpacked
305.285	3.0m   White	Individually packed
305.175	3.0m   Black	Unpacked
305.185	3.0m   Black	Individually packed
305.975	3.0m   Grey	Unpacked
305.276	5.0m   White	Unpacked
305.176	5.0m   Black	Unpacked



304.275

### Supply cable with earthing contact | PVC

- 10 A/250 V~ | 70 °C
- End 1: Central plug with dual earthing contact system, moulded
- End 2: 30 mm stripped with ferrules

#	
---	---

#### Cable: H03VV-F 3G 0.75 mm<sup>2</sup> | Diameter approx. 5.5 mm

311.273	1.5m   White	Unpacked
312.174	2.0m   Black	Individually packed
312.275	3.0m   White	Individually packed
312.175	3.0m   Black	Individually packed



312.275

### Supply cable with earthing contact | PVC | With intermediate switch

- 10 A / 250 V~ | 70 °C
- Not rewirable
- Switch dimensions: 60x26 x 13 mm
- End 1: Right-angled plug with dual earthing contact system, moulded
- End 2: 30 mm stripped with ferrules, 1-pole intermediate switch – fitted after approx. 50 cm

#		
<b>Cable: H03VV-F 3G 0.75 mm<sup>2</sup>   Diameter approx. 5.5 mm</b>		
302.274	2.0m   White	Unpacked
302.174	2.0m   Black	Unpacked



302.274

### Iron supply cable | Textile

- 10 A / 250 V~ | 150 °C
- End 1: Central plug with dual earthing contact system, moulded
- End 2: 30 mm stripped with ferrules

#		
<b>Cable: H03RT-F 3G 1.00 mm<sup>2</sup> – TEXTILE   Diameter approx. 6.5 mm</b>		
313.176	3.0m   Grey/white	Individually packed



313.176

### Vacuum cleaner replacement cable | PVC

- 10 A/250 V~ | 70 °C
- End 1: Contour plug, moulded
- End 2: 30 mm stripped with ferrules

#		
<b>Cable: H05VV-F 2x 0.75 mm<sup>2</sup>   Diameter approx. 6.4 mm</b>		
240.187	6.3m   Black	Individually packed
240.189	10.0m   Black	Individually packed



240.189

### Contour supply cable | Rubber/PUR

- Maximum load according to conductor cross-section | 70 °C
- End 1: Contour plug, moulded
- End 2: 30 mm stripped with ferrules

#		
<b>Cable: H05BQ-F 2x 1.00 mm<sup>2</sup>   Diameter approx. 6.8 mm</b>		
244.875	3.0m   Orange	Unpacked
244.876	5.0m   Orange	Unpacked
<b>Cable: H07BQ-F 2x 1.50 mm<sup>2</sup>   Diameter approx. 8.3 mm</b>		
249.875	3.0m   Orange	Unpacked
249.876	5.0m   Orange	Unpacked



244.875

**Contour supply cable | Neoprene**

- Maximum load according to conductor cross-section | 70°C
- End 1: Contour plug, moulded
- End 2: 30 mm stripped with ferrules
- Ideal connection cable for power tools

#	
---	---

**Cable: H07RN-F 2x 1.00mm<sup>2</sup> | Diameter approx. 7.7 mm**

246.174	2.0m   Black   Unpacked
246.175	3.0m   Black   Unpacked
246.185	3.0m   Black   Individually packed
246.375	3.0m   Red   Unpacked
246.176	5.0m   Black   Unpacked
246.186	5.0m   Black   Individually packed
246.376	5.0m   Red   Unpacked



246.375

**Cable: H07RN-F 2x 1.50mm<sup>2</sup> | Diameter approx. 8.7 mm**

248.174	2.0m   Black   Unpacked
248.175	3.0m   Black   Unpacked
248.185	3.0m   Black   Individually packed
248.176	5.0m   Black   Unpacked
248.186	5.0m   Black   Individually packed



246.175

**Contour supply cable | PVC**

- 10A/250V~ | 70°C
- End 1: Contour plug, moulded
- End 2: 30 mm stripped with ferrules

#	
---	---

**Cable: H05VV-F 2x 1.00mm<sup>2</sup> | Diameter approx. 6.5 mm**

241.275	3.0m   White   Unpacked
241.175	3.0m   Black   Unpacked



241.275

**Euro supply cable | PVC**

- 2.5 A/250V~ | 70°C
- End 1: 2.5 A Euro plug, moulded
- End 2: 25 mm stripped with ferrules

#	
---	---

**Cable: H03VVH2-F 2x 0.75mm<sup>2</sup> | Flat cable approx. 3.6 x 5.6 mm**


202.274	2.0m   White   Unpacked
202.284	2.0m   White   Individually packed
202.174	2.0m   Black   Unpacked
202.184	2.0m   Black   Individually packed
202.275	3.0m   White   Unpacked
202.285	3.0m   White   Individually packed
202.175	3.0m   Black   Unpacked
202.185	3.0m   Black   Individually packed



202.274

**Euro supply cable with intermediate switch | PVC**

- 2.5 A/250 V~ | 70 °C
- End 1: 2.5 A Euro plug, moulded
- End 2: 25 mm stripped with ferrules, 1-pole intermediate switch fitted after approx. 50 cm
- Switch dimensions: 63 x 25 x 14 mm


#	
	
<b>Cable: H03VVH2-F 2x 0.75 mm<sup>2</sup></b>	
211.274	1.8m   White   Unpacked
211.174	1.8m   Black   Unpacked



211.274

**FLAT PLUG supply cable | PVC**

- Without lever and/or ejection mechanism
- Components VDE-approved

#	
	
<b>Ferrules   With 1.5m H05VV-F 3G 1.5   10cm stripped</b>	
933.003	Black
933.004	White




933.003

933.004

**C13 non-heating device supply cable | PVC**

- 10 A/250 V~ | 70 °C
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: C13 non-heating device socket

#	
	
<b>Cable: H05VV-F 3G 0.75 mm<sup>2</sup></b>	
351.174	2.0m   Black   Unpacked
351.184	2.0m   Black   Individually packed
351.974	2.0m   Grey   Unpacked
351.984	2.0m   Grey   Individually packed
<b>Cable: H05VV-F 3G 1.00 mm<sup>2</sup></b>	
353.175	3.0m   Black   Unpacked
353.185	3.0m   Black   Individually packed
353.975	3.0m   Grey   Unpacked
353.985	3.0m   Grey   Individually packed
<b>Cable: H05VV-F 3G 1.50 mm<sup>2</sup></b>	
356.172	0.5m   Black   Individually packed
356.905	0.5m   Grey   Individually packed
356.1721	0.75m   Black   Individually packed
356.906	0.75m   Grey   Individually packed
356.1722	1.0m   Black   Individually packed
356.907	1.0m   Grey   Individually packed
356.1723	1.5m   Black   Individually packed
356.908	1.5m   Grey   Individually packed
354.127	2.0m   Black   Unpacked
356.909	2.0m   Grey   Individually packed



353.975

For other versions of the **FLAT PLUG**, see pages 30, 57 and 73.

### C19 non-heating device supply cable | PVC

- 16A/250V~ | 70 °C
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: C19 non-heating device socket

#	
<b>Cable: H05VV-F 3G 1.50mm<sup>2</sup></b>	
356.1971	0.5m   Black   Individually packed
356.937	0.5m   Grey   Individually packed
356.1972	0.75m   Black   Individually packed
356.938	0.75m   Grey   Individually packed
356.1973	1.0m   Black   Individually packed
356.939	1.0m   Grey   Individually packed
356.1974	1.5m   Black   Individually packed
356.940	1.5m   Grey   Individually packed
356.1975	2.0m   Black   Individually packed
352.174	2.0m   Black   Unpacked
356.941	2.0m   Grey   Individually packed
352.175	3.0m   Black   Unpacked



352.175

### Heating device supply cable | PVC

- 10A/250V~
- For export only
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: heating device socket 10A, IEC 320/C15, mounted

#	
<b>Cable: H05VV-F 3G 1.00mm<sup>2</sup>   Diameter approx. 7.0mm</b>	
361.174	2.0m   Black   Unpacked
361.184	2.0m   Black   Individually packed



361.174

### Heating device supply cable | Rubber

- 10A/250V~ | 155 °C
- End 1: central plug with dual earthing contact system, moulded
- End 2: heating device socket 10 A, mounted (916.170)

#	
<b>Cable: H05RR-F 3G 1.00mm<sup>2</sup>   Diameter approx. 6.5mm</b>	
372.174	2.0m   Black   Unpacked
372.184	2.0m   Black   Individually packed



372.174

### Universal supply cable | PVC

- 10A/250V~
- For export only
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: heating device socket 10 A, mounted


#	
<b>Cable: H05VV-F 3G 1.00mm<sup>2</sup>   Diameter approx. 7.0mm</b>	
373.174	2.0m   Black   Unpacked



373.174

**Small appliance supply cable | PVC**

- 2.5 A/250 V~
- End 1: Euro flat plug, moulded
- End 2: small appliance socket, moulded


#	
<b>Cable: H03VVH2-F 2 x 0.75 mm<sup>2</sup>   Flat cable approx. 3.6 x 5.6 mm</b>	
251.173	1.5m   Black   Unpacked
251.183	1.5m   Black   Individually packed



251.173

**Cooker connecting cable with ferrules | PVC**

- 16 A/250 V~ | 70 °C
- End 1: 50 mm stripped with ferrules
- End 2: 110 mm stripped with ferrules, 140 mm green/yellow protective conductor


#	
<b>Cable: H05VV-F 5G 1.50 mm<sup>2</sup>   Diameter approx. 9.5 mm</b>	
116.280	1.5m   White   Individually packed
116.270	1.5m   White   Unpacked
116.271	2.0m   White   Unpacked
116.272	3.0m   White   Unpacked
<b>Cable: H05VV-F 3G 2.50 mm<sup>2</sup>   Diameter approx. 10.1 mm</b>	
118.270	1.5m   White   Unpacked
<b>Cable: H05VV-F 5G 2.50 mm<sup>2</sup>   Diameter approx. 11.3 mm</b>	
119.280	1.5m   White   Individually packed
119.270	1.5m   White   Unpacked
119.281	2.0m   White   Individually packed
119.271	2.0m   White   Unpacked
119.272	3.0m   White   Unpacked



116.271

**Cooker connecting cable with fork-type lugs | PVC**

- 16 A/250 V~ | 70 °C
- End 1: 50 mm stripped with ferrules
- End 2: 110 mm stripped with ferrules, 140 mm green/yellow protective conductor

#	
<b>Cable: H05VV-F 5G 2.50 mm<sup>2</sup>   Diameter approx. 11.3 mm</b>	
119.274	2.0m   White   Unpacked



119.274

For suitable **cooker connection socket**, see page 42.



**Transparent connection 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 ferrules
- End 2: 40 mm stripped with ferrules
- Dual-insulated cable

#	
<b>FEP/PVC 3 x 0.75 mm<sup>2</sup></b>	
130.080	1.5m
130.081	3.0m
150.072	50.0m ring
<b>FEP/PVC 3 x 1.50 mm<sup>2</sup></b>	
131.080	1.5m
131.081	3.0m
150.070	50.0m ring
<b>FEP/PVC 5 x 0.75 mm<sup>2</sup></b>	
132.080	1.5m
132.081	3.0m
151.072	50.0m ring
<b>FEP/PVC 5 x 1.50 mm<sup>2</sup></b>	
133.080	1.5m
133.081	3.0m
151.070	50.0m ring



130.081

**Characteristics and examples of use**

- For contour and supply cable with earthing contact
- Contour supply cable: 244.875/244.876/249.875/249.876
- Supply cable with earthing contact: 328.875/328.876/327.875/327.876

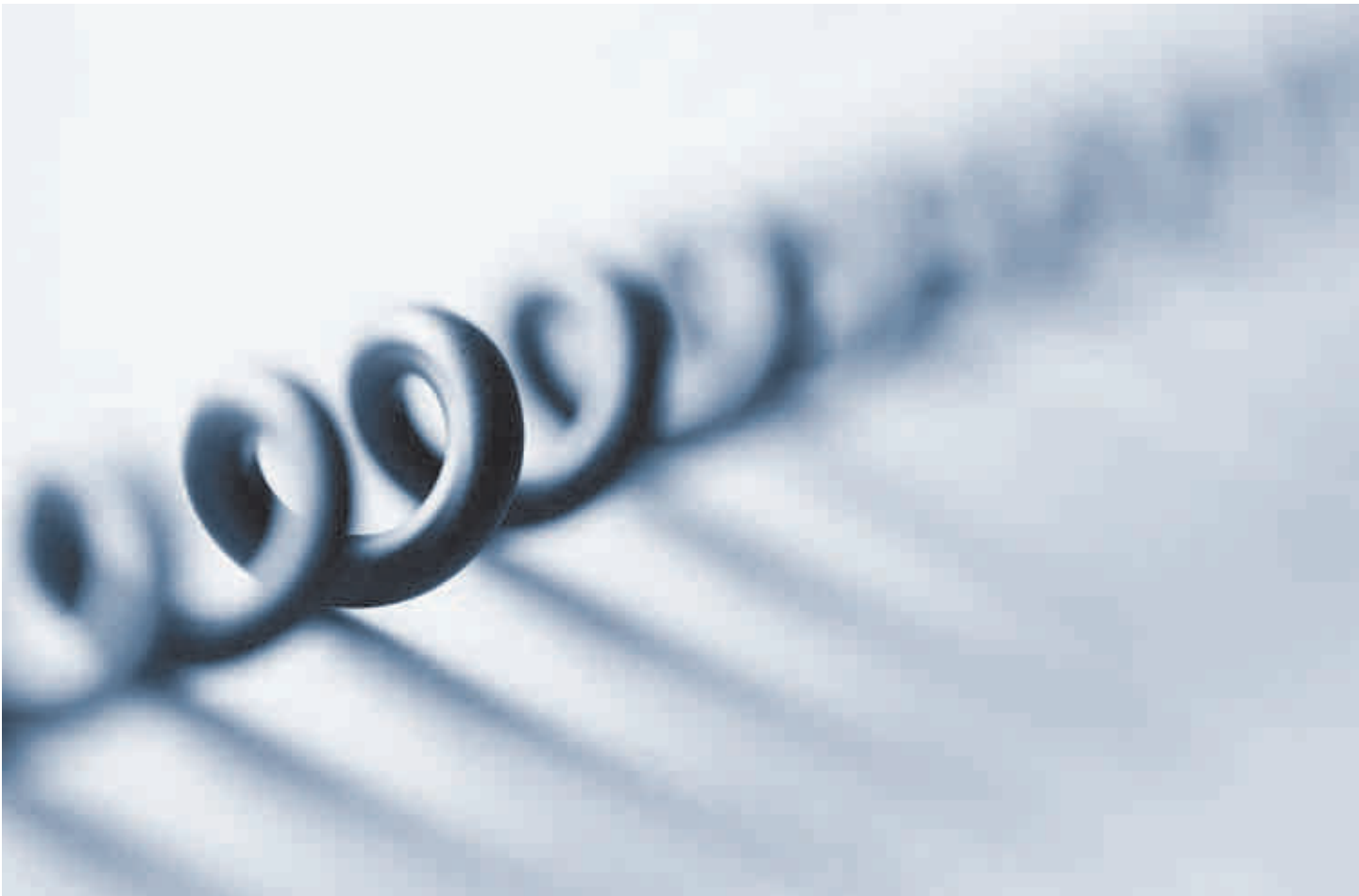
**Cable construction**

- Copper conductors, fine-stranded, tin-plated
- Wire 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 high mechanical stresses on construction sites, in workshops, in mechanical and plant engineering and in the chemical industry
- Wherever high requirements for abrasion-resistance, impact-resistance and oil-resistance are laid down
- Particularly suitable as a supply cable for hand-held power tools

**We can provide custom configurations to suit your specification or following free consultation with our experts. As a manufacturer of many years' standing, we possess a wealth of know-how. See page 294 onwards (international plugs and couplings).**



# Spiral cables

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.

## APPLICATION AREAS

- **Roller shutters**
- **Lifting platforms**
- **Control lines**
- **Machine connections**
- **Laboratory equipment**
- **Production and workplaces**
- **Power distribution from the ceiling**

### Spiral extension cable with earthing contact plug | PVC

- Elongation factor 1:4 | 70 °C
- End 1: central plug with dual earthing contact system, moulded
- End 2: coupling with earthing contact, moulded

#			
<b>YMHY-J 3G 1.50mm<sup>2</sup>, diameter approx. 8.4 mm, CID: approx. 10mm, CED: approx. 27mm</b>			
672.280	White	Coil length: 500mm	Working length: 2,000mm
672.180	Black	Coil length: 500mm	Working length: 2,000mm
672.281	White	Coil length: 1,000mm	Working length: 4,000mm
672.181	Black	Coil length: 1,000mm	Working length: 4,000mm



672.280

### Spiral cable with earthing contact | PUR | Orange

- Leads: rubber | Sheath: PUR | Elongation factor 1:5 | 70 °C
- End 1: length 100mm straight, central plug with dual earthing contact system, moulded
- End 2: length 200mm incl. 30mm stripped, with ferrules

#			
<b>H07BQ-F 3G 1.50mm<sup>2</sup>, diameter approx. 9.5 mm, CID: approx. 13mm, CED: approx. 32mm</b>			
665.870		Coil length: 500mm	Working length: 2,500mm
665.871		Coil length: 1,000mm	Working length: 5,000mm



665.871

### Contour supply cable | PUR | Orange

- Leads: rubber | Sheath: PUR | Elongation factor 1:5 | 70 °C
- End 1: contour plug, moulded
- End 2: Length 100mm incl. 30mm stripped, with ferrules

#			
<b>H05BQ-F 2 x 1.00mm<sup>2</sup>, diameter approx. 7 mm, CID: approx. 9mm, CED: approx. 23mm</b>			
624.871		Coil length: 1,000mm	Working length: 5,000mm



624.871

### Spiral supply cable with earthing contact | PVC

- Leads: PVC | Sheath: PVC | Elongation factor 1:4 | 70 °C
- End 1: right-angled plug with dual earthing contact system, moulded
- End 2: Length 100mm incl. 30mm stripped, with ferrules

#			
<b>YMHY-J 3G 1.50mm<sup>2</sup>, diameter approx. 8.4 mm, CID: approx. 10mm, CED: approx. 27mm</b>			
663.270	White	Coil length: 500mm	Working length: 2,000mm
663.170	Black	Coil length: 500mm	Working length: 2,000mm
663.271	White	Coil length: 1,000mm	Working length: 4,000mm
663.171	Black	Coil length: 1,000mm	Working length: 4,000mm



663.271

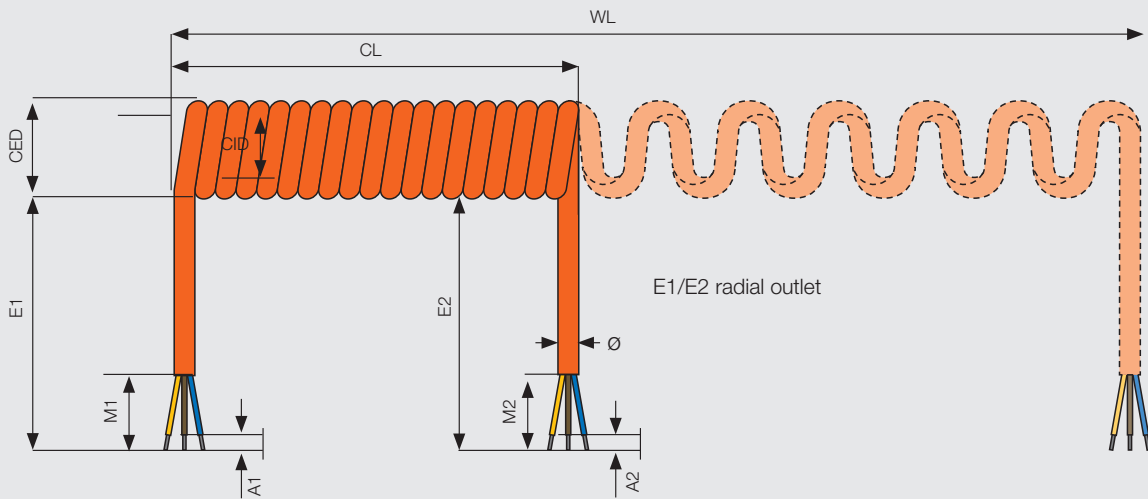
## Spiral cable, PUR

· Leads: PVC | Sheath: PUR | Elongation factor 1:5 | 70 °C

#			
<b>YMH11Y-J 5x 1.50mm<sup>2</sup>, diameter approx. 10.0mm, CID: approx. 18mm, CED: approx. 39mm</b>			
693.280	White	Coil length: 500mm	Working length: 2,500mm
693.180	Black	Coil length: 500mm	Working length: 2,500mm
693.281	White	Coil length: 1,000mm	Working length: 5,000mm
693.181	Black	Coil length: 1,000mm	Working length: 5,000mm
693.282	White	Coil length: 1,500mm	Working length: 7,500mm
693.182	Black	Coil length: 1,500mm	Working length: 7,500mm



693.280



- Coil length (CL) = closed length
- Working length (WL) = max. stretched length
- ø = Cable diameter
- CID = coil internal diameter
- CED = coil external diameter
- E1 = end 1
- E2 = end 2
- M1 = stripped
- A1 = ferrule

### Spiral cable, PUR

- Leads: rubber | Sheath: PUR | Elongation factor 1:5 | 70 °C
- End 1/end 2: 200 mm each, cut flush
- Characteristics: 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: for machines and systems that require VDE-compliant connections and in mechanical engineering, construction equipment, electric tools, communication technology
- Particularly suitable for outdoor use or in damp environments; UV-resistant

#	
<b>H07BQ-F 3G 1.50 mm<sup>2</sup>, diameter approx. 9.5 mm, CID: approx. 13 mm, CED: approx. 32 mm</b>	
684.880	Coil length: 500 mm   Working length: 2,500 mm   Orange
684.881	Coil length: 1,000 mm   Working length: 5,000 mm   Orange
684.882	Coil length: 1,500 mm   Working length: 7,500 mm   Orange
<b>H07BQ-F 5G 1.50 mm<sup>2</sup>, Ø approx. 11.3 mm, CID: approx. 18 mm, CED: approx. 41 mm</b>	
685.880	Coil length: 500 mm   Working length: 2,500 mm   Orange
685.881	Coil length: 1,000 mm   Working length: 5,000 mm   Orange
685.882	Coil length: 1,500 mm   Working length: 7,500 mm   Orange
<b>H07BQ-F 7G 1.50 mm<sup>2</sup>, Ø approx. 13.9 mm, CID: approx. 18 mm, CED: approx. 46 mm</b>	
681.880	Coil length: 500 mm   Working length: 2,500 mm   Orange
681.881	Coil length: 1,000 mm   Working length: 5,000 mm   Orange
681.882	Coil length: 1,500 mm   Working length: 7,500 mm   Orange
<b>H07BQ-F 3G 2.50 mm<sup>2</sup>, diameter approx. 10.8 mm, CID: approx. 18 mm, CED: approx. 40 mm</b>	
682.880	Coil length: 500 mm   Working length: 2,500 mm   Orange
682.881	Coil length: 1,000 mm   Working length: 5,000 mm   Orange
682.882	Coil length: 1,500 mm   Working length: 7,500 mm   Orange
<b>H07BQ-F 5G 2.50 mm<sup>2</sup>, Ø approx. 13.7 mm, CID: approx. 18 mm, CED: approx. 46 mm</b>	
683.880	Coil length: 500 mm   Working length: 2,500 mm   Orange
683.881	Coil length: 1,000 mm   Working length: 5,000 mm   Orange
683.882	Coil length: 1,500 mm   Working length: 7,500 mm   Orange



684.880

### Spiral cable, PUR

- Leads: PVC | Sheath: PUR | Elongation factor 1:5 | 70 °C
- End 1/end 2: 200 mm each, cut flush
- Characteristics: good chemical resistance, good resistance to cold, excellent abrasion- and notching-resistance, very good reset force
- Examples of use: connection cables for engineering, the construction industry or robotics

#	
<b>YMH11Y-J 3G 1.50 mm<sup>2</sup>, diameter approx. 8.0 mm, CID: approx. 13 mm, CED: approx. 29 mm</b>	
692.280	White   Coil length: 500 mm   Working length: 2,500 mm
692.180	Black   Coil length: 500 mm   Working length: 2,500 mm
692.281	White   Coil length: 1,000 mm   Working length: 5,000 mm
692.181	Black   Coil length: 1,000 mm   Working length: 5,000 mm
692.282	White   Coil length: 1,500 mm   Working length: 7,500 mm
692.182	Black   Coil length: 1,500 mm   Working length: 7,500 mm



692.280

**Spiral cable, PVC**

- Leads: PVC | Sheath: PVC | Elongation factor 1:4 | 70 °C
- Characteristics: good value, low mechanical resistance, medium chemical resistance, medium reset force
- Examples of use: lamps, IT systems and mobile devices/equipment

#			
<b>YMHY-J 3G 1.50 mm<sup>2</sup>, diameter approx. 8.4 mm, CID: approx. 10 mm, CED: approx. 27 mm</b>			
654.280	White	Coil length: 500 mm	Working length: 2,000 mm
654.180	Black	Coil length: 500 mm	Working length: 2,000 mm
654.281	White	Coil length: 1,000 mm	Working length: 4,000 mm
654.181	Black	Coil length: 1,000 mm	Working length: 4,000 mm
654.282	White	Coil length: 1,500 mm	Working length: 6,000 mm
654.182	Black	Coil length: 1,500 mm	Working length: 6,000 mm



654.280

**Lamp spiral cable**

- Leads: PVC | 70 °C
- Ends: 140 mm each, incl. 80 mm stripped, with ferrules

#			
<b>YMHY-J 3G 1.50 mm<sup>2</sup>, diameter approx. 8.4 mm, CID: approx. 10 mm, CED: approx. 27 mm   Sheath: PVC, elongation factor 1:4</b>			
654.283		Coil length: 400 mm	Working length: 1,600 mm   White
654.284		Coil length: 800 mm	Working length: 3,200 mm   White
<b>LIY11Y-J 5x 1.50 mm<sup>2</sup>, diameter approx. 10 mm, CID: approx. 13 mm, CED: approx. 34 mm   Sheath: PUR, elongation factor 1:5</b>			
693.283		Coil length: 400 mm	Working length: 2,000 mm   White



654.284

**Characteristics and examples of use****Leads PVC/sheath PVC**

- Good value, low mechanical stiffness, medium chemical resistance, medium reset force
- For household appliances, lamps and IT systems

**Leads PVC/sheath PUR**

- Good chemical resistance, good resistance to cold, excellent abrasion- and notching-resistance, very good oil-resistance, good reset force
- For connection cables in engineering and the building industry (construction equipment)


**Leads rubber PUR/sheath PUR**

- Good wear-resistance, good chemical resistance, good resistance to cold, excellent abrasion- and notching-resistance, very good oil-resistance, good reset force
- For machines and systems that require VDE-compatible connections: for example, mechanical engineering, construction equipment, electric tools, communication technology – particularly suitable for use out of doors or in damp environments

# Accessories

## Cablesafe box, IP64

- Offers outstanding protection for power strips, extension cables and adapters
- 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


#	
904.100	Light grey   Designed for cable diameters from H05VV-F 3G 1.50mm <sup>2</sup> to H07RN-F3G 1.50mm <sup>2</sup>   UV-resistant   Suitable for e.g. SMART art. 387.270   Usable surface: WxHxD: 280x120x190mm



904.100

## Cable box set, IP44

- For connecting cables
- Set in plastic bag: 1 x cable box, 2 x cable grommets, 1 x stopper

#	
924.351	Black   230V~   16A   Cable types up to H07RN-F 3G 2.50mm <sup>2</sup>



924.351

## Cable connection box series 8010-908

- For connecting cables
- In a poly bag
- 2x strain relief | 1x lustre terminal
- Screw-type housing for 2 and 3-core cables

#	
924.280	White



924.280

## Cablesafe, IP44

- Offers the best protection for power cable plug connectors
- Ideal for permanent outdoor use and on construction sites as it is water- and childproof
- Protects the plug connectors of your Christmas and party illuminations
- Practical applications in camping and for use with electric lawnmowers

#	
919.371	Orange   Max. cable diameter 9mm   Internal dimensions 180mm long, diameter 60mm



919.371

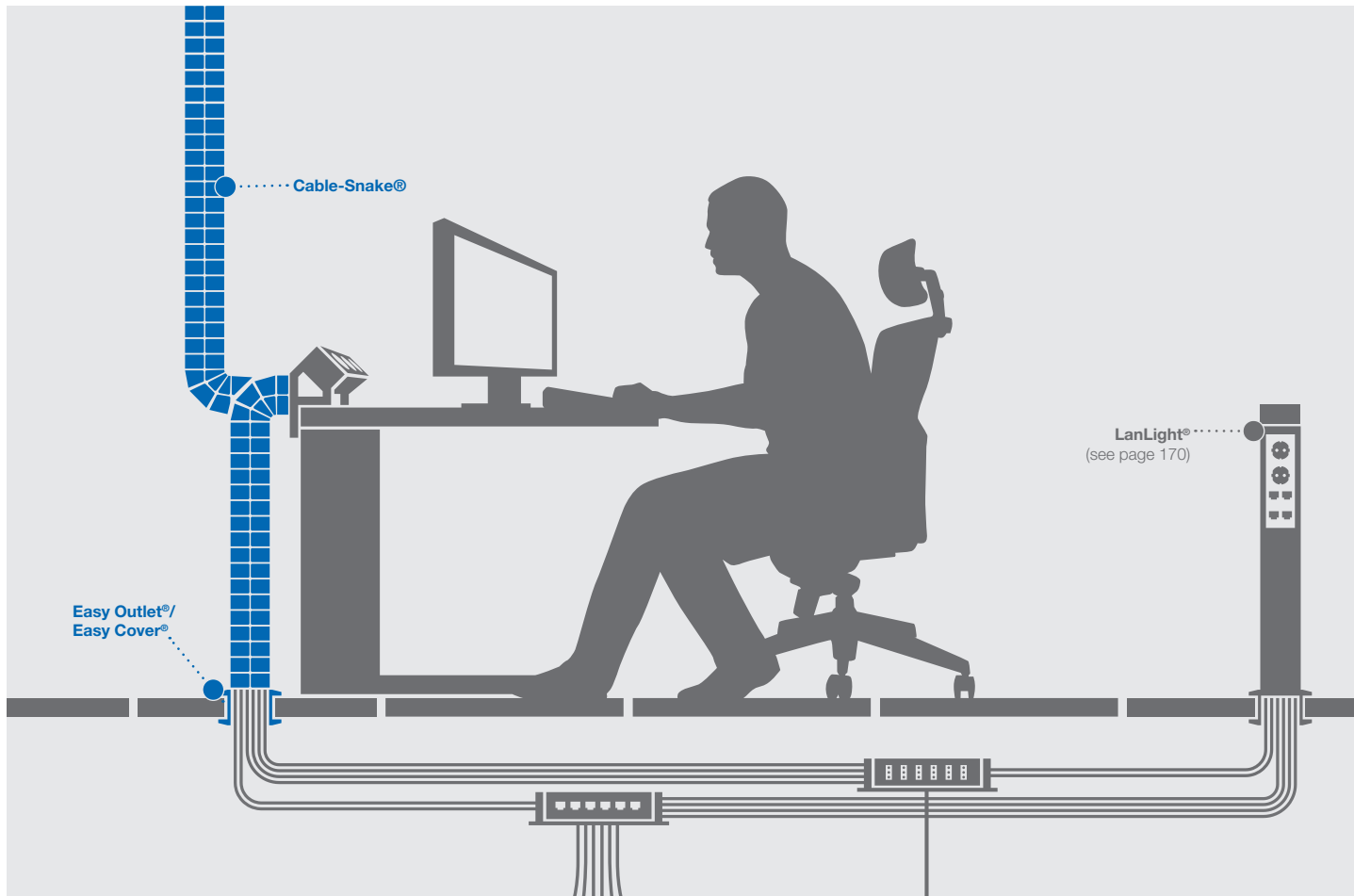
## Cable-carrying aid

- Handle facilitates transport of long cables or tubes
- Adjustable and pliable

#	
394.179	Orange



394.179



# Cable management

BACHMANN banishes unwieldy cables from workstations. The CABLE-SNAKE® cable system optimises cable routes in the workplace between the desk, floor box, wall duct and various devices.

BACHMANN provides the best cable guide system for every requirement. Whether the cables run along the floor or are routed from the floor to the desk, the various 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.

## BENEFITS

- **Cable guide system without the risk of breaks and crushing**
- **Connections for furniture, floor and ceiling**
- **Textile-fibre sleeves for bundling and protect cables and wires**



### CABLE RETRACTOR – cable pull-out

- W x H x D: 220 x 220 x 50 mm
- Black
- Cable extension length 1.5 m
- Can only be used in combination with the CABLE RETRACTOR mounting
- Cable gland 917.032 (on page 196) is required for installation
- Keeps patch cables at the ready and neatly tidied away
- Easy operation via pulling out by hand
- Mechanical spring-action retraction of cables not required



#	
930.550	Cable pull-out end: CAT6 coupling   Cable end: CAT6 plug
930.551	Cable pull-out end: HDMI coupling   Cable end: HDMI plug

### CABLE RETRACTOR – Mounting

- Black
- Can only be used in combination with CABLE RETRACTOR – cable pull-out
- Many combinations possible with BACHMANN desk connection panels



#	
930.500	W x H x D: 225 x 185 x 115 mm   Holds up to three cable pull-outs   Fits under the TOP FRAME without frame and CONFERENCE connection panels
930.501	W x H x D: 200 x 155 x 75 mm   Holds up to three cable pull-outs   Fits under the CONI COVER and POWER FRAME connection panels
930.502	W x H x D: 305 x 100 x 75 mm   Holds up to two cable pull-outs   Fits under the POWER FRAME connection panel
930.503	W x H x D: 225 x 185 x 65 mm   Holds up to three cable pull-outs   Fits under the CONI connection panel



**Mounted under the table, the combination is**  
the perfect solution for tidy cabling.



## Flexible cable guide system

#	
---	---

**Cable-Snake® Classic** | Horizontal and vertical cable guide | 3-chamber system to separate low-current, data and power cables | 46 chain links, W x H: approx. 53 x 23 mm | Length when separated: approx. 100 cm, when pushed together: approx. 72 cm

930.030	Black
930.031	Silver



930.031

**Cable-Snake® Cube** | Horizontal and vertical cable guide | 2-chamber system to separate data and power cables | 34 chain links, W x H: approx. 55 x 25 mm | Length when separated: approx. 100 cm, when pushed together: approx. 69 cm

930.058	Black
930.059	Silver



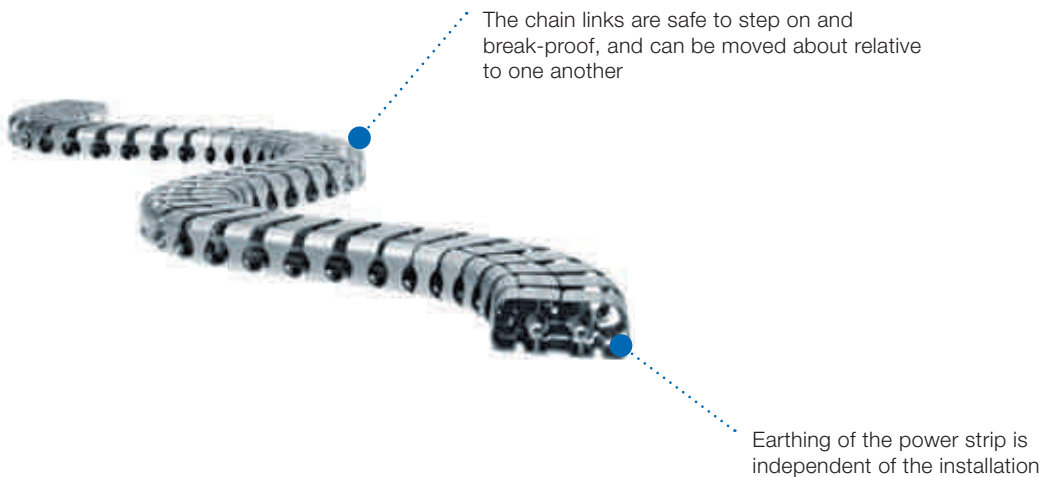
930.059


**Cable-Snake® Pro** | Horizontal and vertical cable guide | Increased resistance to being stepped on, even in the vicinity of junctions | 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 Cable-Snake® Classic | 34 chain links, W x H: approx. 90 x 24 mm | Length when separated: approx. 100 cm, when pushed together: approx. 70 cm

930.032	Black
930.033	Silver



930.033



 **Plug in, shorten, lengthen**  
– totally tailored to your needs.

## Flexible cable guide system

#	
---	--

**Cable-Snake® Premium-Set** | Vertical cable guide | Stylish premium set: 16 chain links, WxH: approx. 70x35 mm | 1 x metal base plate in appropriate colour | 1 x table 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 including base plate and table attachment approx. 78 cm | Length without accessories approx. 75 cm | Length when pushed together: approx. 59 cm in the set

930.049	Black
930.050	Silver

**Cable-Snake® Quadro-Set** | Vertical cable guide | Functional set with a strong design element: 23 quadratic chain links, W x H: approx. 45 x 45 mm | 1 x metal base plate in appropriate colour | 1 x table 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 including base plate and table attachment approx. 76 cm

930.016	Black
930.017	Silver

**Cable-Snake® Quadro** | As addition to Quadro set article no. 930.016 and 930.017 | For seating/standing combinations (height-adjustable) or desk/table heights from 75 cm and for ceiling suspensions | 32 links, length approx. 100 cm

930.018	Black
930.019	Silver

**Cable-Snake® FLEX II-Set** | Vertical cable guide | 38 chain links, WxH: approx. 55x22 mm | 1 x metal base plate in appropriate colour | 1 x table attachment in appropriate colour | 2-chamber system to separate data and power cables and for ceiling suspensions | Length including base plate and table attachment approx. 75 cm

930.022	Black
930.023	Silver

**Cable-Snake® FLEX II** | As addition to set article no. 930.022 and 930.023 | For seating/standing combinations | 54 links, length approx. 100 cm

930.020	Black
930.021	Silver



930.050



930.017



930.019



930.023



930.021

Special geometry allows individual cables to exit through the sides without risk of crushing



2 connector shoulders allow forces to be transmitted (including torque and shear forces)

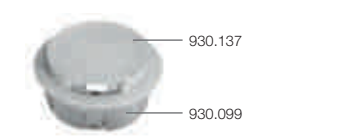
### Furniture connection

#	
<b>Easy-Bridge® for carpet</b>   Aluminium floor duct, can be stepped on, length 100 cm   The Cable-Snake Pro® can be connected directly	
930.027	Silver
<b>Easy-Bridge® for smooth floors</b>   Aluminium floor duct, can be stepped on, length 100 cm   The Cable-Snake Pro® can be connected directly	
930.028	Silver
<b>Easy-Steel® mounting bar</b>	
930.024	Length 750 mm, diameter 5 mm
<b>Easy-Desk-3G®</b>   Easy-Steel® mounting bar fastening   Adapter for horizontal connection	
930.025	Silver
<b>Easy-Connect®</b>   Universal coupling	
930.026	Silver
<b>Easy-Desk-2B®</b>   Adapter for vertical connection on furniture   Can be combined with Easy-Stop® and Easy-Steel® Includes 2 4 x 12 mm screws	
930.029	Black
930.090	Silver
<b>Easy-Stop-2B2K®</b>   3-part cable strain relief for Cable-Snake® Classic, Cube and Pro   Can be combined with Easy-Desk-2B® and Easy-Steel®   Includes clamping screws   For max. 16 cables	
930.091	Black
930.092	Silver
<b>E-Cube-K-540® power column for supply of power and data</b>	
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 lid



### Floor connection

#	
<b>Easy-Outlet® floor unit</b>   Floor level installation unit   Tight-braced fastening   Suited to dry-maintained raised and false floors	
930.098	Black
930.099	Silver
<b>Easy-Cover® telescopic cover for floor unit</b>   Telescopic cover set for Easy-Outlet® floor unit	
930.100	Black
930.137	Silver



## Floor connection

#	
<b>Easy-Cover-I®</b>   Combined with Easy-Outlet® floor unit   Connection for 1 x Cube, Pro, Classic or Flex   Material: PP for use in floor outlet	
930.138	Silver
<b>Easy-Cover-II®</b>   Combined with Easy-Outlet® floor unit   Connection for 2x Cube, Pro, Classic or Flex   Material: PP for use in floor outlet	
930.139	Silver
<b>Easy-Cover-Quadro®</b>   Combined with Easy-Outlet® floor unit   Connection for 1 x Cable-Snake® Quadro   Material: PP for use in floor outlet	
930.164	Black
<b>Easy-Cover-Premium®</b>   Combined with Easy-Outlet® floor unit   Connection for 1 x Cable-Snake® Premium   Material: PP for use in floor outlet	
930.165	Black
<b>Easy-Switch® distributor</b>   For Cable-Snake® Classic, Cube and Pro   3-way distributor   Includes 4 coupling links of Cable-Snake® Cube	
930.034	Black
930.035	Silver
<b>Easy-Switch® distributor including vertical connection for Cable-Snake® Premium</b>   For Cable-Snake® Classic, Cube and Pro   4-way distributor with fixing screw and base plate   Includes 4 coupling links of Cable-Snake® Cube	
930.057	Black
<b>Easy-Cap®</b>   Cover cap for Easy-Switch connections that are not needed	
930.044	Black
930.045	Silver
<b>Easy-Clip-S®</b>   Floor outlet adapter for all common floor outlets   For Cable-Snake® Classic	
930.036	Black   LxW: approx. 86x47 mm
<b>Easy-Clip-L®</b>   Floor outlet adapter for all common floor outlets   For Cable-Snake® Pro and Cube	
930.054	Black   LxW: approx. 91.5x51 mm



930.138



930.139



930.164



930.165



930.034



930.057



930.036

## Ceiling connection

#	
<b>Easy-Cover-I®</b>   System attachment with low transmission of force to suspended ceilings   Connection for 1 x Cube, Pro, Classic or Flex   Material: POM for suspended ceilings	
930.094	White
<b>Easy-Cover-Quadro®</b>   System attachment with low transmission of force to suspended ceilings   Connection for 1 x Cable-Snake® Quadro   Material: POM for suspended ceilings	
930.096	White
<b>Easy-Cover-Premium®</b>   System attachment with low transmission of force to suspended ceilings   Connection for 1 x Cable-Snake® Premium   Material: POM for suspended ceilings	
930.097	White



930.094




930.096



930.097

### Automatic Wrap


- Simple installation with low costs and low labour input
- 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 from -75 °C to +125 °C

#	
<b>Diameter 2.54 cm = 1 inch</b>   Black	
930.900	1.0m
930.901	2.0m
930.902	3.0m
<b>Diameter 5.08 cm = 2 inch</b>   Black	
930.903	1.0m
930.904	2.0m
930.905	3.0m



### Manual Wrap

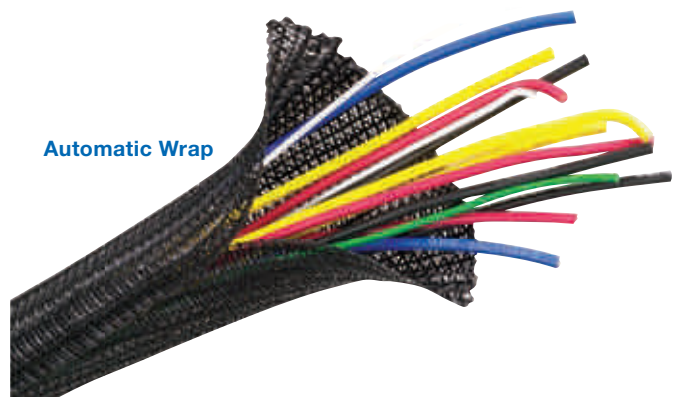
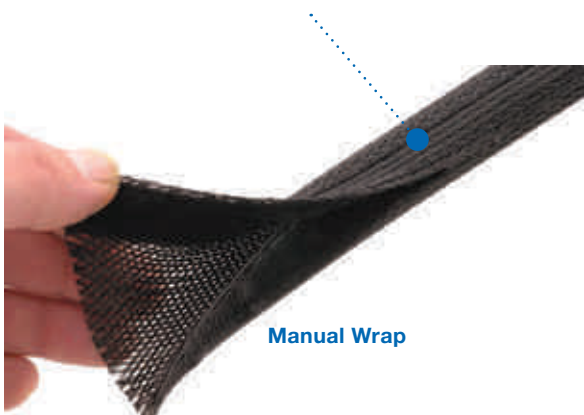
- Strong Velcro fastener for frequent access
- Can be stretched over plugs and connections
- Halogen-free
- Resistant to chemicals and solvents
- Melting point ~230 °C

#	
<b>Diameter 3.18 cm = 1 ¼ inch</b>   Black	
930.906	1.0m
930.907	2.0m
930.908	3.0m
<b>Diameter 5.08 cm = 2 inch</b>   Black	
930.909	1.0m
930.910	2.0m
930.911	3.0m




**Wrap textile-fibre sleeves** bundle and protect cables and wires in office and home environments.

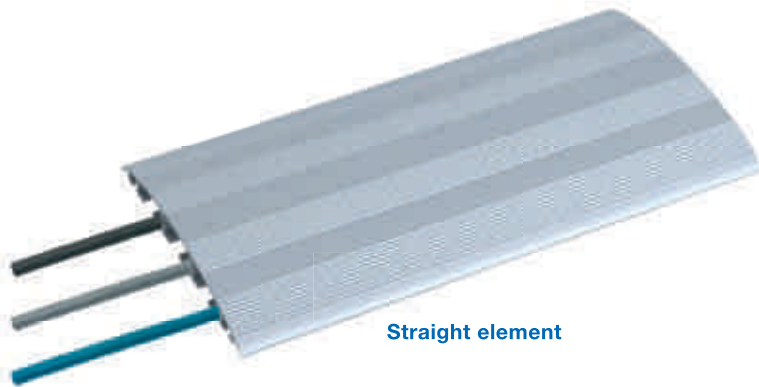
The elastic braided sheath assures fire- and abrasion-resistance with its monofilament fibres and is thus also ideal for professional and industrial use.



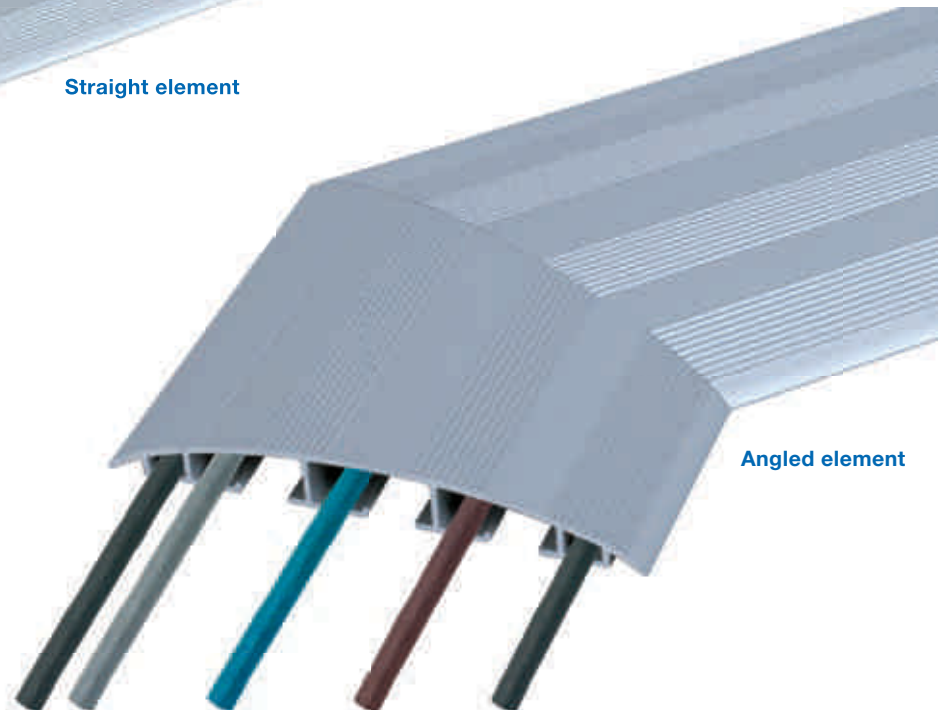
## CABLE BRIDGE – the cable duct

- W x H 146 x 19 mm
- Anodised aluminium profile, rippled for anti-slip effect
- 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)

#	
<b>Straight element</b>	
930.060	1.0m
930.061	2.0m
<b>Angled element</b>	
930.062	45°
930.063	90°
<b>Linking element</b>   For linking straight elements   Screws into place with integrated Allen bolts	
930.064	Contents: 2 units
<b>Fixing accessories</b>   For screwing down cable ducts at the ends	
930.065	Contents: 4 units



**Straight element**



**Angled element**



# LOOP ROUND

LOOP ROUND brings order to any workplace: Installed quickly and easily, the product routes cables to where they are needed. The functional, great-looking cable gland has a black brush insert and a removable, lockable lid, which can be fixed in four positions. So even thick, rigid cables are not able to loosen the lid out of its anchor. Simply push the cable gland into a standard hole to install it. Alternatively, the cable gland can be screwed directly into the furniture.


## BENEFITS

- **Simple and elegant cable guide; also suitable for thick, rigid cables due to the lock**
- **Highly versatile as fits with all 80mm holes**
- **Flexible, can also be fitted on the side**



**Mounting depth:** 21 mm  
**Mounting diameter:** 80 mm  
**Contact surface diameter:** 88 mm

**Material:** zinc die-cast alloy (Zamak)

**Colour variants:** 



### Cable glands – LOOP ROUND

- For all 80 mm holes
- Lockable lid and integrated brush strip, black

#	
930.300	Grey metallic (similar to RAL9006)
930.301	Stainless steel look
930.302	Black (similar to RAL9005)
930.303	White (similar to RAL9016)



#### Variant 1: LOOP ROUND

#### Variant 2: LOOP ROUND + LOOP IN

**Combines perfectly** with the LOOP IN function insert

Dimensions in mm

You will find suitable **LOOP IN power inputs** for LOOP ROUND on page 140.



# LOOP SQUARE

The BACHMANN cable glands now makes it even easier to access sockets etc. under the tabletop: the product, available in an elegant, silver-anodised design, can be quickly and easily inserted into your table cut-out in the mounting frame and provides access to the standard cable trays already fitted under the desktop. Cables can be very easily routed through the opening: this is also possible when it is closed due to the black brush insert. When the flap is shut, the soft-close function means that annoying noise is greatly reduced, making this cable gland especially well suited to desks in offices and conference rooms. The rectangular cable gland can be combined with BACHMANN STEP and UNIVERSAL power strips.

## BENEFITS

- **Simple, elegant flap solution**
- **Integrated soft-close function with quiet closing makes for inconspicuous handling**
- **Can be used in any office environment due to plain, modern design**
- **Rounded edges permit CNC machining of the tabletop**



**Dimensions (W x H):** see table x 120 mm  
**Mounting depth:** 25 mm  
**Material:** aluminium

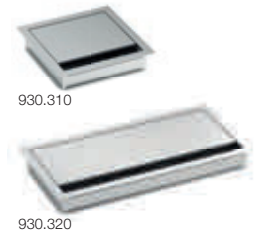
**Table cut-out dimensions:** 113/233/353 x 113 mm

**Colour variants:**

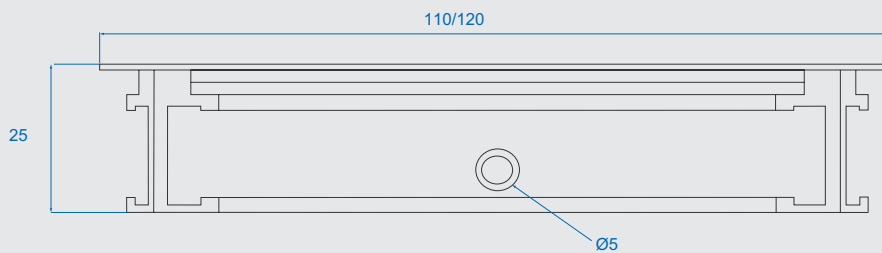
### Cable glands – LOOP SQUARE

- Aluminium, silver-anodised with straight hinged lid
- Integrated brush strip, black

#	
930.310	Width: 120mm
930.320	Width: 240mm
930.330	Width: 360mm



**Integrated Soft  
Close function**



Dimensions in mm



LOOP SQUARE can also be combined with BACHMANN STEP and UNIVERSAL power strips.

# Connection panels





## **Integrated units**

---

VENID	102
CONFERENCE	104
TOP FRAME	106
CONI	110
CONI DUO	112
CONI COVER	114
TWOFOLD COVER	116
CONEO	120
POWER FRAME COVER	122
POWER FRAME	124
KAPSA	128
DUE	132
TWIST	136
LOOP IN	140
PIX	142
MINI PIX	145
ELEVATOR	146
LIFT	150
WIRELESS CHARGER	154

## **Surface-mounted units**

---

DESK 2	156
DESK 2 ALU BLACK	160
DESK RAIL	162
DESK 1	164
CASIA	168

## **Floor units**

---

LanLight®	170
Consolidation Point	174



# VENID

As part of a modern work and conference environment, the desk connection panel VENID offers both exceptional design and high functionality. The original tabletop material can be integrated quickly and easily into the mounting frame, so the tabletop and connection panel form a harmonious unit.


Perfectly integrated into the surface, VENID not only looks elegant but also offers a practical benefit: used cables can be stowed away conveniently in the tray. The cover, which can be folded open in either direction, is easy to operate and leaves space for the cables to be routed at the sides. Two power strips can be integrated into the VENID tray and equipped individually.

## BENEFITS

- **Harmonious surface thanks to visually smooth integration**
- **Can be operated from either side**
- **Practical benefit of cable storage**
- **Flexible equipment options for the power strip**



**Tray dimensions (W x H x D):** 334x173x79mm  
**Mounting frame dimensions (W x H x D):** 371 x 180x57 mm  
**Material:** Mounting frame: plastic, anodised aluminium  
 Tray: steel sheet  
**Mounting depth of frame without mounting clips:** 45mm  
**Mounting depth of frame with tray and power strip:** 155mm

**Socket colour:** black  
**Colour variants:**   
**Thickness of tabletop:** 14–25mm

## VENID

#	
935.000	<p><b>VENID mounting frame</b> Black aluminium (anodised, E6/EV6)   With slot to clip in the VENID tray   Lid can be opened on both sides with end stop   The cut-out part of the original desktop is fitted in the inner frame and screwed in   Max. tabletop thickness up to 25 mm</p>
935.100	<p><b>VENID tray</b> Steel sheet, black, powder-coated   Clips into VENID mounting frame   Mount for two power strips</p>



935.000



935.100

## VENID power strips

#									
<b>Medium</b>   Anodised aluminium profile   Power input: 0.2m cable and GST18 plug   Incl. mounting bracket   Width 229 mm									
936.009	3						35°		1
936.001	2						35°	•	1
936.007	2						35°		2
936.003	1						35°	•	2
936.011		2					45°		1
936.005		1					45°	•	1
936.010			3				35°		1
936.002			2				35°	•	1
936.008			2				35°		2
936.004			1				35°	•	2
936.015				3			0°		1
936.014				2			0°	•	
936.013				1			0°	•	2
936.012					2		35°		1
936.006					1		35°	•	1



936.007



936.005



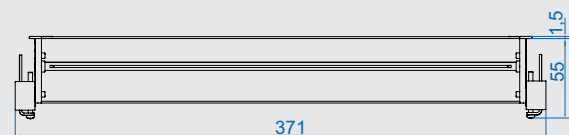
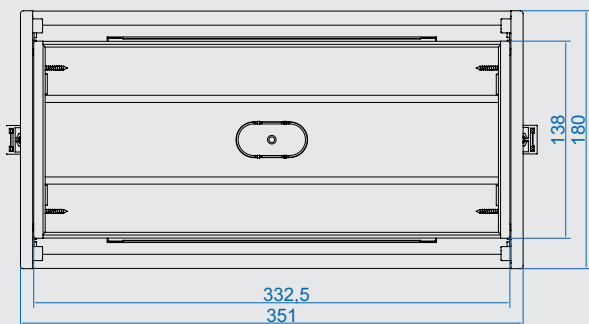
936.004



936.015



Cover can be **opened in both directions.**



VENID mounting frame | Dimensions in mm



To improve stability, it is recommended that the VENID tray is used in combination with the VENID mounting frame.

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.



# CONFERENCE

CONFERENCE is a truly refined and discreet solution for individual access to power and data connections. For use in living and work environments, on conference and training desks or high-grade workstations, for example.

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

## BENEFITS

- **Integrated into the surface of the furniture**
- **Simply press with your finger to open**
- **Flap can be closed with cables plugged in**
- **Complete power strip can be quickly interchanged**
- **Suitable for veneer finishing**



**Mounting depth with frame:** 110 mm  
**Mounting depth without frame:** 107 mm  
**Thickness of tabletop:** 11 – 44 mm



**Material:** steel sheet

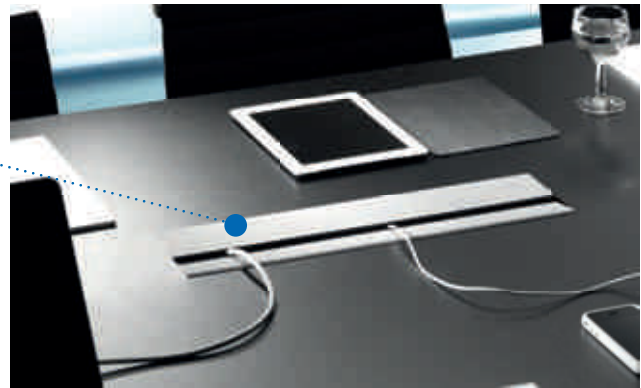
**Colour variants:**



**Frameless**

CONFERENCE without a frame is fitted from the underside of the tabletop. Therefore, only the pivoting flaps are visible on the tabletop.

If necessary, the flaps can be customised to match the finish of your tabletop by applying a suitable veneer of up to 2 mm (this is not done ex works).



**CONFERENCE with frame**

#	
<b>X-large</b>   Dimensions (WxH): 467 x 182 mm	
338.0212	Chrome effect finish (powder-coated)
338.0221	Grey metallic (powder-coated, similar to RAL9006)
338.0200	Moonstone metallic (powder-coated)
<b>Medium</b>   Dimensions (WxH): 285 x 182 mm	
338.0210	Chrome effect finish (powder-coated)
338.0219	Grey metallic (powder-coated, similar to RAL9006)
338.0201	Moonstone metallic (powder-coated)

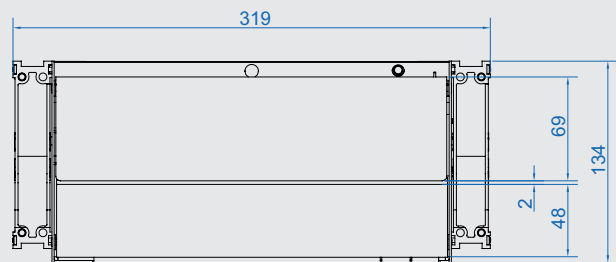
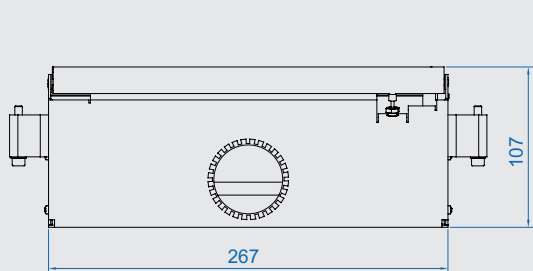


**CONFERENCE without frame**

#	
<b>X-large</b>   Dimensions (WxH): 443 x 119 mm	
338.0230	Grey metallic (powder-coated, similar to RAL9006)
<b>Medium</b>   Dimensions (WxH): 267 x 119 mm	
338.0231	Grey metallic (powder-coated, similar to RAL9006)



**A veneer can be glued to the surface.**



CONFERENCE without frame – Medium | Dimensions in mm



Colour guides for the surface colours are available on page 107.

For suitable **power strips**, see from page 108.

For suitable **cable management solutions**, see from page 88.



# TOP FRAME

TOP FRAME is the new power and data supply solution for living and work environments, such as conference facilities. The cover can be completely recessed, allowing power and data to be accessed from various sides conveniently. The balanced geometry of TOP FRAME fits elegantly into the surface of the furniture, so tables can even be fitted with high-quality veneers.

TOP FRAME is also elegantly simple to open: press down with your finger to simply and silently open TOP FRAME and close it again.

## BENEFITS

- **Access to power supply and data from any side**
- **Silent opening**
- **Integrated into the surface of the furniture**
- **Can be installed flush with the surface of the furniture**
- **Version with surround frame suitable for subsequent assembly**



**Mounting depth of frame for version fitted below the table:**  
98mm (110mm incl. power strip)

**Mounting depth of frame for version fitted on the table:**  
96mm (108mm incl. power strip)

**Thickness of tabletop:** 12–40mm

**Material:** Housing: Steel sheet  
Lid: aluminium

**Colour variants:**



### TOP FRAME without frame

#	
<b>Base</b>   Black housing (powder-coated)	
925.101	X-large   Dimensions (WxHxD): 483x92x98 mm
925.100	Medium   Dimensions (WxHxD): 300x92x98 mm
<b>X-large lid</b>   For mounting on TOP FRAME base (#925.101)   With fixing screws	
925.0034	Aluminium (anodised & blasted/EV1)
925.0049	Black (anodised & blasted/EV6)
925.0023	Aluminium (anodised, E1/EV1)
<b>Medium lid</b>   For mounting on TOP FRAME base (#925.100)   With fixing screws	
925.0044	Aluminium (anodised & blasted/EV1)
925.0047	Black (anodised & blasted/EV6)
925.0022	Aluminium (anodised, E1/EV1)



### TOP FRAME with frame

#	
<b>X-large</b>   Colour: grey metallic (powder-coated, similar to RAL9006)   Black housing (powder-coated)	
925.801	Symmetrical   Dimensions (WxHxD): 583x192x110 mm
925.501	Asymmetrical   Dimensions (WxHxD): 523x162x110 mm
<b>Medium</b>   Colour: grey metallic (powder-coated, similar to RAL9006)   Black housing (powder-coated)	
925.800	Symmetrical   Dimensions (WxHxD): 401x192x110 mm
925.500	Asymmetrical   Dimensions (WxHxD): 341x162x110 mm



### Colour guides

#	
917.029	Set of 5 colour charts   Chart size 120 mm x 64 mm   Colour chart set contains: Grey metallic (similar to RAL9006), Anthracite (similar to RAL7016), Black (similar to RAL9005), White (similar to RAL9010), Moonstone metallic



Accessible from **every side.**

For suitable **power strips**, see from page 108.

For suitable **cable management solutions**, see from page 88.

### CONFERENCE and TOP FRAME power strips

#								
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**X-large** | Power input/output: GST18i3 | Width 444 mm

909.009	6					35°		2
909.008	5					35°		3
909.007	4					35°		4
909.0057	3					35°	●	4
909.006	3					35°		5
909.005	2					35°		6
909.0026		4				45°		2
909.0058		3				45°	●	2
909.0027		3				45°		3
909.0029		2				45°		5
909.0028		2				45°		4
909.016			6			35°		2
909.015			5			35°		3
909.014			4			35°		4
909.0060			3			35°	●	4
909.013			3			35°		5
909.012			2			35°		6
909.020				6		0°		3
909.0191				4		0°		4
909.0172				3		0°	●	4
909.033				2		0°		6
909.0080					5	35°		3
909.0105					3	35°	●	4

**X-large** | Without power input/output | Width 444 mm

909.001						0°		8
---------	--	--	--	--	--	----	--	---



909.009



909.008



909.007



909.0057



909.006



909.005



909.001



**Material:** anodised aluminium profile  
**Socket colour:** black

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.

## CONFERENCE and TOP FRAME power strips

#									
<b>Medium</b>   Power input/output: GST18i3   Width 263mm									
909.004	3					35°			1
909.0056	2					35°	●		1
909.003	2					35°			2
909.002	1					35°			3
909.0023		2				45°			1
909.0024		1				45°			2
909.011			3			35°			1
909.0059			2			35°	●		1
909.010			2			35°			2
909.025			1			35°			3
909.0170				2		0°	●		1
909.017				2		0°			2
909.028				1		0°			3
909.058					3	35°			1
909.029					2	35°			2
<b>Medium</b>   Power input/output: GST18i3   Width 263mm   0.3m GST18 extension cable including T-distributor									
909.0180				3		0°			1
<b>Medium</b>   Without power input/output   Width 263mm									
909.000						0°			4



909.004



909.0056



909.003



909.002



909.0059



909.000

CONNECTION PANELS

## Accessories

#	
<b>CONFERENCE guide rail set</b>   For power strips	
940.099	Plastic black guide rail   Incl. 2 countersunk head screws 2.9x13mm with Torx to DIN 7982



940.099

For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.



# CONI

CONI brings flexibility to the work surface as it enables free, individual access to power. CONI's minimal mounting depth provides sufficient space, even if installed near the edge. A wide range of standard surfaces also ensures design freedom.

When closed, the surface of the furniture and CONI produce an even surface. If power or data connections are needed, CONI can be opened, the desired plugs plugged in and closed again. The integrated brush insert prevents the cables from jamming.

With CONI, you are free to decide how the sockets are configured because the power strip can be quickly replaced without any tools.

## BENEFITS

- **Integrated into the surface of the furniture**
- **Minimal mounting depth, robust frame design**
- **Integrated brush insert for closing once cables have been plugged in**
- **Power strip can be changed quickly**
- **Suitable for subsequent assembly**



**Dimensions (W x H x D):** Large: 387 x 151 x 59 mm  
Small: 255 x 151 x 59 mm

**Mounting depth of frame (without mounting clips):** 56 mm

**Thickness of tabletop:** 10–35 mm

**Material:** Mounting frame: Steel sheet  
Socket: plastic, aluminium

**Socket colour:** black

**Colour variants:**





**Small CONI mounting frame**  
Width: 248mm

**Large CONI mounting frame**  
Width: 387mm

The black brush strips can easily be replaced with colour strips; no tools are required.

Simply remove the mounting frame from the tabletop and unscrew the 3 re-usable plastic rivets.

### CONI mounting frame

#	
<b>Large</b>	
338.0205	Grey metallic (powder-coated, similar to RAL9006)
338.0206	Anthracite (powder-coated, similar to RAL7016)
911.001	White (powder-coated, similar to RAL9010)
911.003	Black (powder-coated, similar to RAL9005)
911.005	Stainless steel (ground)
<b>Small</b>	
338.0203	Grey metallic (powder-coated, similar to RAL9006)
338.0204	Anthracite (powder-coated, similar to RAL7016)
911.000	White (powder-coated, similar to RAL9010)
911.002	Black (powder-coated, similar to RAL9005)
911.004	Stainless steel (ground)



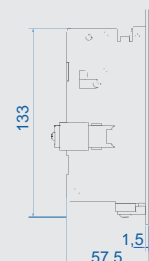
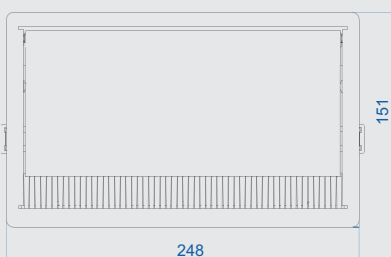
### CONI holder

- For optional mounting on CONI mounting frame (small and large version)
- Allows cable lengths to be stowed away when plugged in
- Easy to fit by inserting into mounting frame (already fitted), using plastic rivets supplied
- Small extra mounting depth of approx. 20 mm in addition to depth of mounting frame
- Material/surface: black steel sheet (powder-coated, similar to RAL9005)

#	
911.9130	<b>Large CONI holder</b>
911.9100	<b>Small CONI holder</b>



**Integrated brush insert** for closing once cables have been plugged in.



CONI - Small | Dimensions in mm

For suitable **power strips**, see from page 118.

For suitable **cable management solutions**, see from page 88.



# CONI DUO

CONI DUO is ideal for narrow conference and training desks, but can also be used in any living and work environment. CONI DUO provides simple and unimpeded access to power, media and data connections from two sides. There is no reduction in leg room under the furniture.

When in a closed state, CONI DUO is fully integrated into the surface of the furniture. Cables can be very easily routed through the opening: thanks to the black brush insert this is also possible when CONI DUO is closed.

## BENEFITS

- **Access from two opposite sides**
- **Just one cut-out needed**
- **Integrated into the surface of the furniture**
- **Minimal mounting depth, robust frame design**
- **Integrated brush insert for closing once cables have been plugged in**



**Dimensions (W x H x D):** Large: 782 x 151 x 68 mm  
 Small: 512 x 151 x 68 mm  
**Mounting depth (without mounting clips):** 56 mm  
**Thickness of tabletop:** 10–35 mm  
**Socket colour:** black

**Material:** Mounting frame: steel sheet  
 Socket: plastic, aluminium

**Colour variants:** 



### CONI DUO mounting frame

#	
<b>2x large</b>	
911.025	Grey metallic (powder-coated, similar to RAL9006)
911.029	White (powder-coated, similar to RAL9010)
<b>2x small</b>	
911.026	Grey metallic (powder-coated, similar to RAL9006)
911.028	White (powder-coated, similar to RAL9010)

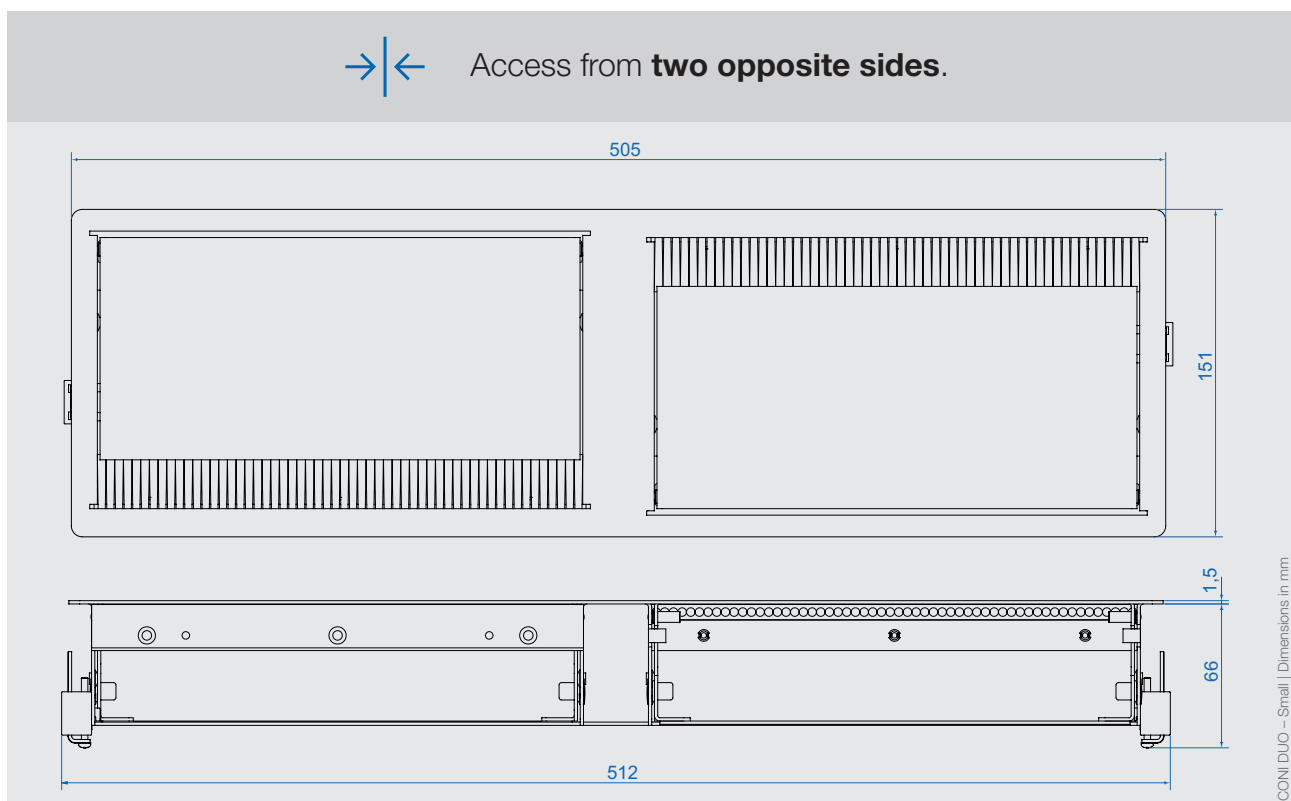


CONNECTION PANELS

### CONI bracket

- For mounting CONI power strips without using a mounting frame, can be installed e.g. under a desktop or tabletop in a cable tray. Standard chipboard screws (which can be purchased from all good retailers) are required for mounting.
- The back-side outlet and bending radii of power and data connections are considered.
- Material/surface: black steel sheet (powder-coated, similar to RAL9005)

#	
918.002	<b>CONI bracket, tall</b> Black   2 items in plastic bag   Distance between floor and socket profile: 30mm Distance between floor and top edge of power strip: 74mm



Not compatible with "CONI Holder" accessories

For suitable **power strips**, see from page 118.



# CONI COVER

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

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

Both small and large versions of the CONI COVER mounting frame are available. They have an R5 corner radius, which enables them to be flush-mounted in the furniture. The mounting depth of approx. 24 mm is suitable for a minimum tabletop thickness of 16 mm. It is fixed in place with 4 screws. These are screwed on from the inside through corresponding holes on the long sides of the mounting frame. Mounting instructions and cut-out dimensions are supplied with the unit.

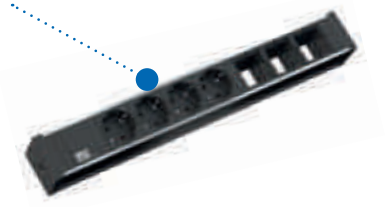
## BENEFITS

- **Compatible with all duct and furniture manufactures**
- **Ideal for retrofitting**
- **Integrated brush insert for closing even when cables are connected**
- **New: now includes matching tray and mount for the power strip**

	<p><b>Mounting frame dimensions (W x H x D):</b> Large: 387 x 148 x 23 mm Small: 248 x 148 x 23 mm</p>	<p><b>Tabletop thickness:</b> min. 16 mm</p>
	<p><b>Dimensions of optional tray (W x H x D):</b> 430 x 230 x 85 mm</p>	<p><b>Material:</b> steel sheet</p>
	<p><b>Mounting depth of frame:</b> 24 mm</p>	<p><b>Colour variants:</b> </p>

**Perfect combination**

Our STEP and UNIVERSAL power strips are easy to mount under the table and can be combined with CONI COVER (when used without a CONI COVER tray).



**Large CONI COVER mounting frame**

Easy access to all power supply units located under the furniture surface.



**CONI COVER mounting frame**

#	
<b>Large</b>	
338.0080	Grey metallic (powder-coated, similar to RAL9006)
911.501	White (powder-coated, similar to RAL9010)
911.503	Black (powder-coated, similar to RAL9005)
<b>Small</b>	
338.0081	Grey metallic (powder-coated, similar to RAL9006)
911.500	White (powder-coated, similar to RAL9010)
911.502	Black (powder-coated, similar to RAL9005)

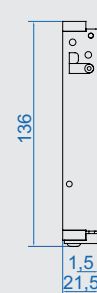
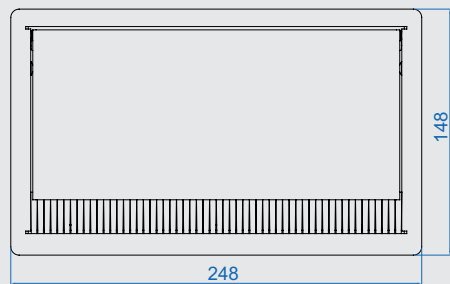


**Colour guides**

#	
917.029	Set of 5 colour charts   Chart size 120 mm x 64 mm   Colour chart set contains: Grey metallic (similar to RAL9006), Anthracite (similar to RAL7016), Black (similar to RAL9005), White (similar to RAL9010), Moonstone metallic



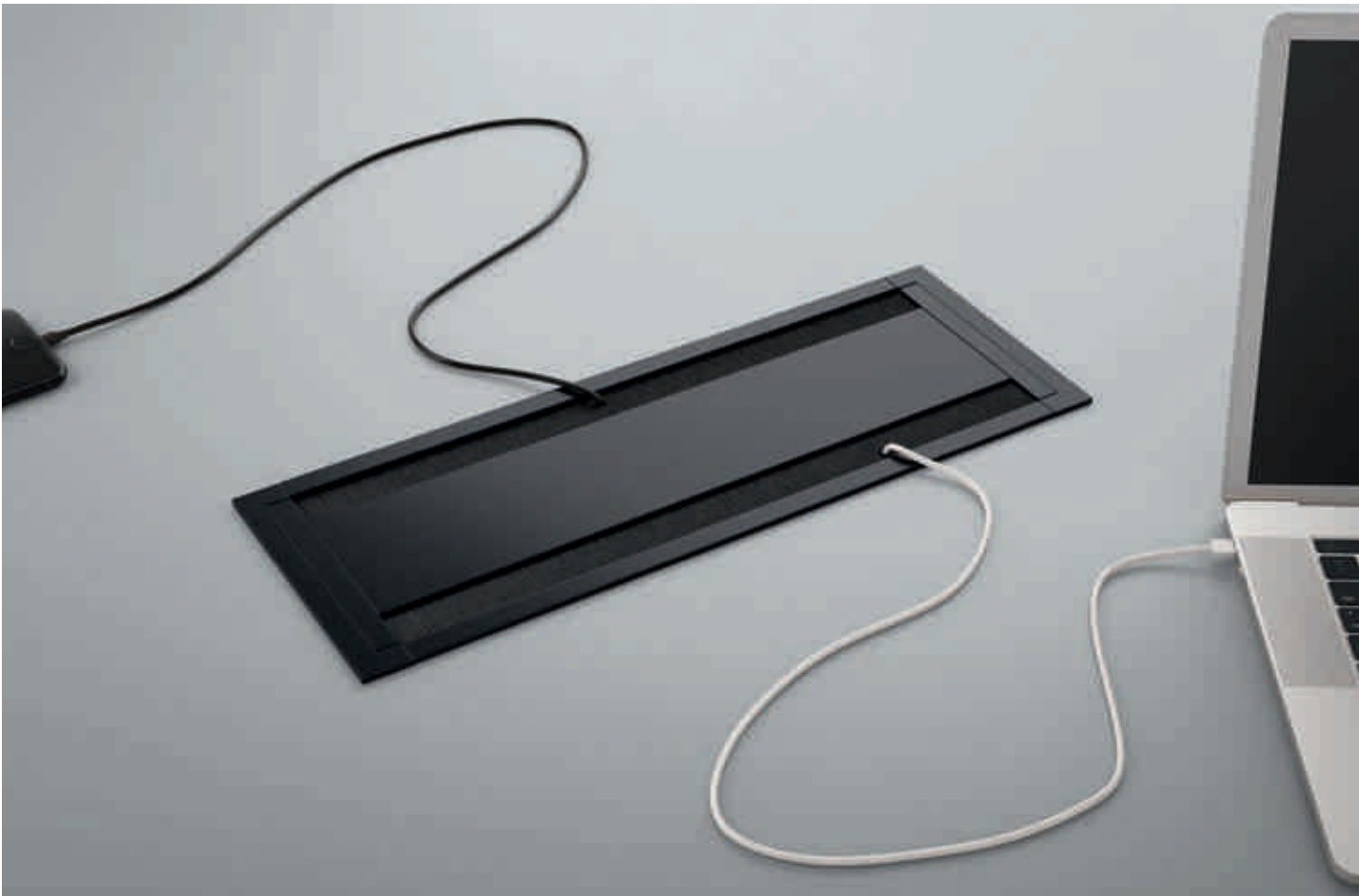
**Integrated brush insert** for closing once cables have been connected.



CONI COVER – Small | Dimensions in mm

For suitable **power strips**, see from page 118.

For suitable **cable management solutions**, see from page 88.



# TWOFOLD COVER

TWOFOLD COVER enables free, individual access at both sides to power and data.

The lid opens easily and conveniently at both sides, and closes again in a soft cushioned action. The integrated brush insert prevents the cables from jamming. TWOFOLD COVER can also be retrofitted on existing equipment.

## BENEFITS

- **Cushioned lid mechanism**
- **Opens as both sides**
- **Easy to use**
- **All-metal frame**
- **Thanks to the brush strips on both sides, cables can also be run with the cover closed**



**Dimensions (W x H x D):** 410 x 148 x 44 mm  
**Mounting depth:** 41 mm  
**Material:** aluminium

**Tabletop thickness:** min. 16 mm

**Colour variants:** 

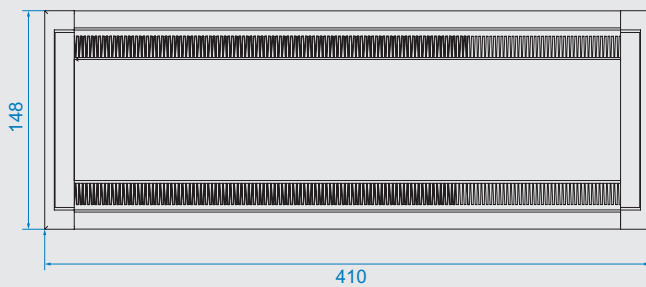
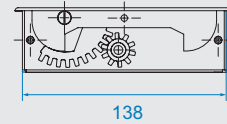


**TWOFOLD COVER**

#	
943.001	Silver
943.002	White
943.003	Black



**Access** to power and data possible **at both sides**.



Dimensions in mm

For suitable **power strips**, see from page 118.

For suitable **cable management solutions**, see from page 88.

## CONI, CONI DUO, CONI COVER tray and TWOFOLD COVER

### Large power strips

- Width: approx. 356 mm
- Material: Anodised aluminium profile

#									
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#### Power input: 0.2m cable and GST18i3 plug

912.008	5							35°		1
912.007	4							35°		2
912.006	3							35°		3
912.0168	2							35°	●	3
912.005	2							35°		4
912.004	1							35°		5
912.035	1				3			35°/0°		2
912.0221		4						90°		2
912.021		4						90°		1
912.022		3						90°		3
912.0280		2						90°	●	3
912.014				5				35°		1
912.013				4				35°		2
912.012				3				35°		3
912.0172				2				35°	●	3
912.011				2				35°		4
912.019					5			0°		2
912.018					4			0°		3
912.080					3			0°	●	3
912.017					2			0°		4
912.0931						3		35°		3
912.0242						2		35°	●	3
912.0056						2		35°		4

#### Power input: 2 x 0.2m cable (black and red) and GST18i3 plug (black)

912.024	1 x black 2 x red							35°		3
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912.025	2 x black 2 x red							35°		2
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#### Without power input

912.001								0°		6
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## CONI COVER Large Accessories

#	
918.0753	CONI COVER tray   Mounted to tabletop using supplied screws   Material: Aluminium   Black (anodised, similar to RAL9005)   Suitable for large CONI power strips
918.0752	CONI COVER textile tray   Additional protection for hanging cables   Combined with CONI COVER tray   Mounted using supplied screws   Black (similar to RAL9005)
918.0754	Rubber covers for CONI COVER tray (supplied in packs of 8)   Suitable for hole diameter 5 mm   Latching mechanism   Black (similar to RAL9005)



For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.

### Small CONI and CONI DUO power strips

- Width: approx. 217 mm
- Material: Anodised aluminium profile

#								
---	--	--	--	--	--	--	--	--

#### Power input: 0.2m cable and GST18i3 plug

333.1007	3					35°		
912.0156	2					35°	●	
912.003	2					35°		1
333.1008	2					35°		2xCAT6a RJ45
912.037	1			1		35°/0°		1
912.0167	1					35°	●	1
912.002	1					35°		2
912.045		2				90°		1
912.1781		1				90°	●	1
912.0080		1				90°		2
333.0500			3			35°		
912.010			2			35°		1
912.0171			1			35°	●	1
912.009			1			35°		2
912.015				3		0°		1
912.0400				2		0°	●	1
912.016				1		0°		2
912.0071					2	35°		1
912.0055					1	35°		2
912.000						0°		3

#### Power input: 2 x 0.2m cable (black and red) and GST18i3 plug (black)

912.023	1xblack 1xred					35°		1
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For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.



# CONEO

CONEO – the quick and easy solution for integrating power and data connections into furniture in an elegant way.

Benefit from the custom modularity you can expect from BACHMANN and combine power supply with our choice of Custom Modules – for flexibility and adaptability, now and in the future.

## BENEFITS

- **Quick and easy installation using special double-sided adhesive tape**
- **Set of items, comprising frame and power strip**
- **Outstanding flexibility by the use of Custom Modules**
- **Minimum mounting depth for ample leg room, even where the units are fitted near the edge**
- **Cables can be routed when in closed state**




**Dimensions (WxHxD):** 255 x 169 x 58 mm

**Material:** Mounting frame: steel sheet  
Socket: plastic, aluminium

**Mounting depth of frame:** 56 mm

**Thickness of tabletop:** all thicknesses (product is glued)

**Socket colour:** black

**Colour variants:** 



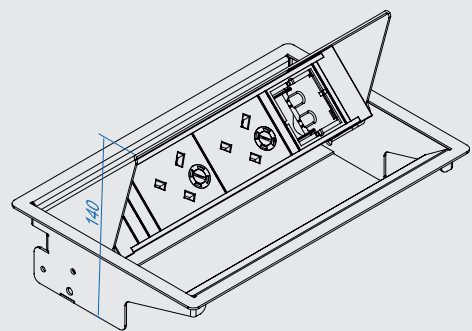
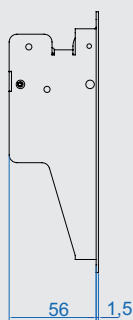
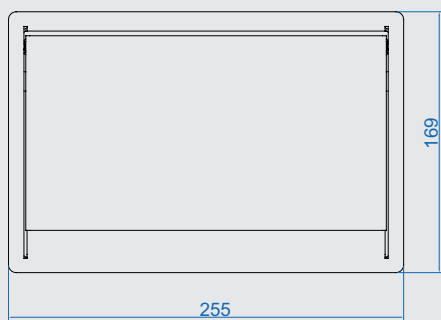


**CONEO SET**

#							
<b>Grey metallic (powder-coated, similar to RAL9006)   Power input: 0.2m cable and GST18 plug</b>							
900.400	3				35°		1
900.406	2				35°	●	1
900.402	2				35°		2
900.408	1				35°	●	2
900.405		2			45°		1
900.410		1			45°	●	1
900.401			3		35°		1
900.407			2		35°	●	1
900.403			2		35°		2
900.409			1		35°	●	2
900.404				2	35°		1
900.411				1	35°	●	1



**Set of items:** frame with integrated power strip



Dimensions in mm

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.



# POWER FRAME COVER

POWER FRAME COVER is the elegant and compact power and data supply solution.

POWER FRAME COVER has an attractive aluminium cover, designed for stylish living and work environments, which also protects power and data connections from dust and dirt.

When the lid is fully open, both sides offer unimpeded access.

## BENEFITS

- **High-quality design piece for work and living spaces**
- **Accessible from various sides**
- **Protection against dirt and dust**
- **Versatile: can be combined with sockets and data, audio and video modules**
- **Rapid installation of complete power strips**

## AWARDS



**Dimensions (W x H x D):** see table x 88 x 42 mm

**Material:** aluminium

**Mounting depth:** 43 mm

**Thickness of tabletop:** All thicknesses (product is glued) | With screw connection, 10 mm and thicker

**Colour variants:**

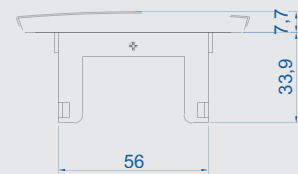
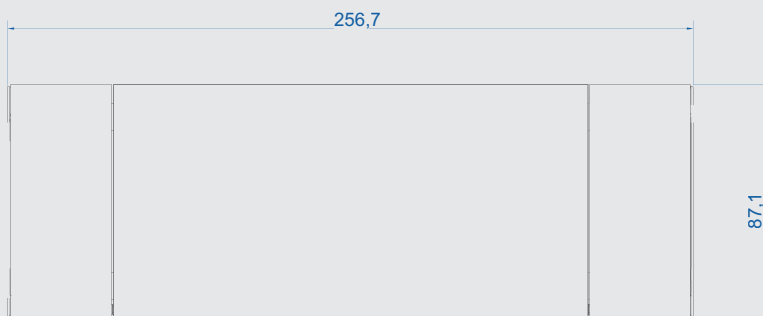


## POWER FRAME COVER

#	
<b>Large</b>   Width: 383 mm   Mounting frame with aluminium flap for gluing into the furniture	
915.504	Aluminium (anodised E8/EV1)
<b>Medium</b>   Width: 300 mm   Mounting frame with aluminium flap for gluing into the furniture	
915.502	Aluminium (anodised E8/EV1)
<b>Small</b>   Width: 257 mm   Mounting frame with aluminium flap for gluing into the furniture	
915.500	Aluminium (anodised E8/EV1)
915.503	White (painted, similar to RAL9010)
915.501	Stainless steel (painted)
915.033	Black (painted, similar to RAL9005)



**High-quality design piece** that protects from dust and dirt.



POWER FRAME COVER – Small | Dimensions in mm

For suitable **power strips**, see from page 126.



For **Custom Modules\***, see from page 197.



# POWER FRAME

POWER FRAME is the compact solution for integrated and easily accessible power and data connections for workstations. It can be either factory-installed or supplied for subsequent assembly.

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. It is also perfect for sales showrooms and display windows, as well as 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 mounting frame from below without tools – a stroke of perfection. POWER FRAME is the ideal solution when you need compactness and efficiency.

## BENEFITS

- **Compact dimensions**
- **Suitable for subsequent assembly**
- **Timeless design**
- **Versatile in application**
- **Rapid installation of complete power strips**



**Dimensions (W x H x D):** see table x 73 x 36 mm

**Material:** Mounting frame: steel sheet  
Socket: plastic, aluminium


**Mounting depth:** Mounting frame: 34 mm

Mounting frame incl. power strip + retaining bracket: 50 mm

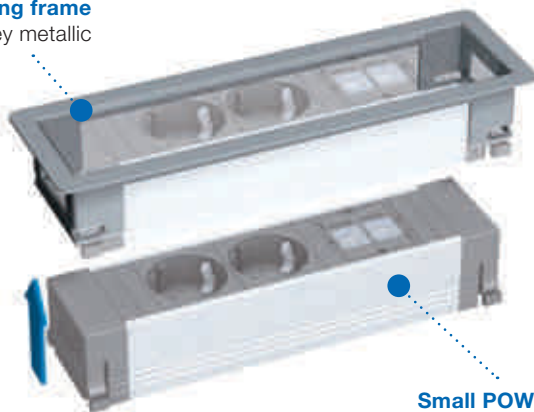
**Tabletop thickness:** min. 10 mm

**Corner radius:** R5

**Socket colour:** black

**Colour variants:** 

**Small POWER FRAME mounting frame**  
Colour: Grey metallic



**Small POWER FRAME power strip**  
Width: 262 mm

**POWER FRAME mounting frame**

#	
<b>Large</b>   Width: 369 mm	
317.007	Grey metallic (powder-coated, similar to RAL9006)
915.006	Black (powder-coated, similar to RAL9005)
915.003	White (powder-coated, similar to RAL9010)
<b>Medium</b>   Width: 284 mm	
317.006	Grey metallic (powder-coated, similar to RAL9006)
915.004	Black (powder-coated, similar to RAL9005)
915.005	White (powder-coated, similar to RAL9010)
<b>Small</b>   Width: 241 mm	
317.000	Grey metallic (powder-coated, similar to RAL9006)
317.001	Stainless steel
915.000	Black (powder-coated, similar to RAL9005)
915.001	White (powder-coated, similar to RAL9010)

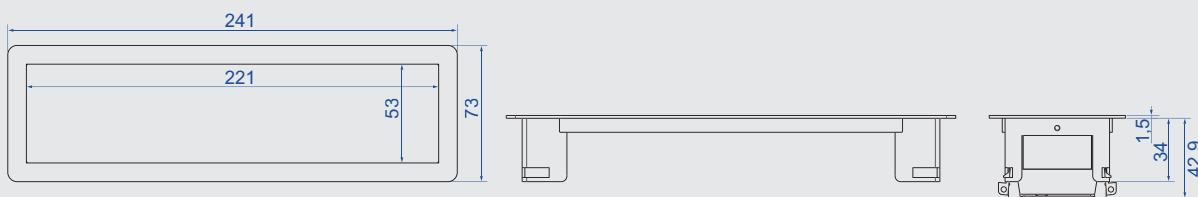


**Colour guides**

#	
917.029	Set of 5 colour charts   Chart size 120 mm x 64 mm   Colour chart set contains: Grey metallic (similar to RAL9006), Anthracite (similar to RAL7016), Black (similar to RAL9005), White (similar to RAL9010), Moonstone metallic



Power strip is clicked into the mounting frame from underneath **without tools**.



POWER FRAME - Small | Dimensions in mm

For suitable **power strips**, see from page 126.

**POWER FRAME / POWER FRAME COVER Aluminium power strips**

#							
<b>Large</b>   Width: 350mm   Power input: 0.2m cable and GST18i3 plug							
916.030	4					35°	2
916.007	3					35°	3
916.025	2					35°	4
916.086		3				90°	3
916.0361		3				90°	2
916.1110			4			35°	2
916.048			3			35°	3
916.023			2			35°	4
916.123				3		0°	• 3
916.024				3		0°	4
<b>Medium</b>   Width: 262mm   Power input: 0.2m cable and GST18i3 plug							
916.173	3					35°	• 1
916.006	3					35°	1
916.0514	2					35°	• 1
916.1000	2					35°	2
916.0041	1					35°	• 2
916.1229		3				90°	• 1
916.0520		3				90°	1
916.0519		2				90°	• 1
916.0821		2				90°	2
916.0516		1				90°	• 2
916.1227			3			35°	• 1
916.0621			3			35°	1
916.0411			2			35°	• 1
916.047			2			35°	2
916.0628			1			35°	• 2
<b>Small</b>   Width: 220mm   Power input: 0.2m cable and GST18i3 plug							
317.100	3					35°	
916.0040	2					35°	• 1
916.000	2					35°	1
916.0039	1					35°	• 1
916.001	1					35°	2
916.1129		3				90°	
916.100		2				90°	• 1
916.082		2				90°	1
916.0510		1				90°	• 1
916.091		1				90°	2
317.102			3			35°	
916.002			2			35°	1
916.0042			1			35°	• 1
916.003			1			35°	2
916.004				3		0°	1
916.0270				1		0°	• 1
916.005				1		0°	2
916.010							3



CONNECTION PANELS

For suitable **device supply cables**, see from page 64.

For **Custom Modules\***, see from page 197.

**POWER FRAME / POWER FRAME COVER Aluminium power strips**

#						
<b>Small</b>   Width: 220mm   Power input: 0.2m cable and GST18i3 plug   Front side: Socket   Back side: socket						
317.101	2			35°		2 x CAT6 RJ45
916.020			2	35°		1
916.021			1	35°		2
<b>Small</b>   Width: 220mm   Power input: 2.0m cable with ferrules and mounting plug, included						
916.1192	3			35°		
916.1193	2			35°	•	
916.111		3		35°		
916.112		2		35°	•	



**POWER FRAME / POWER FRAME COVER Plastic power strips**

#					
<b>Medium</b>   Width: 262mm   Power input: 0.2m cable and GST18i3 plug					
916.0601	2			35°	2
916.0611	1			35°	3
<b>Small</b>   Width: 220mm   Power input: 0.2m cable and GST18i3 plug					
317.117	3			35°	
916.060	2			35°	1
916.061	1			35°	2
916.059		3		35°	
916.062		2		35°	1
916.063		1		35°	2



CONNECTION PANELS

For suitable **device supply cables**, see from page 64.

For **Custom Modules\***, see from page 197.

\* Observe compatibility table on page 197 onwards.

Pictograms and their meanings can be found on page 319.



# KAPSA

KAPSA's classic, reduced forms make it a power strip that is both design-orientated and space-saving – designed for the kitchen, office and many other areas in living and work environments.

The lid – which can be flipped open and changed – provides protection against external influences and is available in several versions. Modular equipment options make flexible configuration in several lengths possible.

Installation from above guarantees simple mounting – also optionally available for subsequent assembly. A low mounting depth of approx. 45 mm and a solid design characterise KAPSA and confirm that: less is more.

## BENEFITS

- **Easily interchangeable lid available in various versions**
- **Modular equipment options**
- **Aluminium lid with high-quality feel**
- **Low mounting depth (approx. 45 mm)**
- **Simple mounting from above, retrofitting possible too**




**Dimensions (W x H x D):** see table x 50 x 70 mm

**Mounting depth without cable:** 45 mm

**Material:** Lid: aluminium  
Socket: plastic, aluminium

**Thickness of tabletop:** 10–40 mm

**Socket colour:** black

**Colour variants:** 



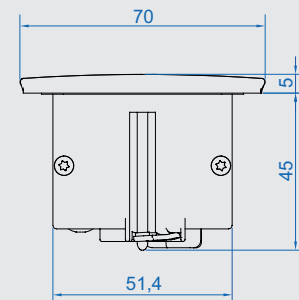
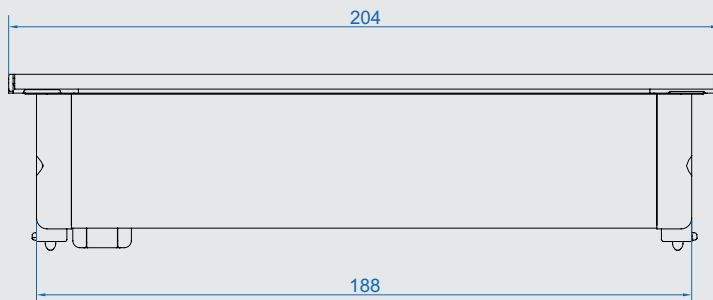


### KAPSA lids

#	
<b>Small</b>   Width: 204mm	
927.100	Stainless steel look
927.101	Black (painted, similar to RAL9005)
927.102	White (painted, similar to RAL9010)
927.103	Aluminium (anodised E6/EV1)
<b>X-small</b>   Width: 151 mm	
927.300	Stainless steel look
927.301	Black (painted, similar to RAL9005)
927.302	White (painted, similar to RAL9010)
<b>XX-small</b>   Width: 68mm	
927.500	Stainless steel look
927.501	Black (painted, similar to RAL9005)
927.502	White (painted, similar to RAL9010)



**Lid can be changed**  
and easily retrofitted.



KAPSA - Small | Dimensions in mm



Other colour versions available on request

For suitable **power strips**, see from page 130.



For **Custom Modules\***, see from page 197.

### Small KAPSA power strips

#								
<b>Power input: 0.2m cable with GST18i3   Width 204 mm</b>								
927.050	3					35°		
927.051	2					35°	•	
927.052	2					35°		1
927.062	1					35°		2
927.058		2				90°		1
927.057		1				90°	•	1
927.053			3			35°		
927.054			2			35°	•	
927.055			2			35°		1
927.064			1			35°		2
927.059				3		0°		
927.060				2		0°	•	
927.061				2		0°		1
<b>Power input: 2.0m cable with ferrules and mounting plug   Width 204 mm</b>								
927.000	3					35°		
927.001	2					35°	•	
927.002	2					35°		1
927.003			3			35°		
927.004			2			35°	•	
927.005			2			35°		1
927.009				3		0°		
927.010				2		0°	•	
927.011				2		0°		1
927.013					3	35°		
927.015					2	35°	•	
<b>Power input: 2.0m cable with mounted UK plug   Width 204 mm</b>								
927.006		3 (13A)				90°		
927.012		2 (13A)				90°	•	
927.008		2 (13A)				90°		1
927.007		1 (13A)				90°	•	1



Power strip and lid must be ordered separately

For suitable **device supply cables**, see from page 64.



For **Custom Modules\***, see from page 197.

### X-small KAPSA power strips

#						
<b>Power input: 0.2m cable with GST18i3   Width 151 mm</b>						
927.251	1				90°	●
927.257		1			90°	●
927.254			1		90°	●
927.260				1	0°	●
<b>Power input: 2.0m cable with ferrules and mounting plug   Width 151 mm</b>						
927.200	2				90°	
927.201	1				90°	●
927.203			2		90°	
927.204			1		90°	●
927.209				2	0°	
927.210				1	0°	●
<b>Power input: 2.0m cable with mounted UK plug   Width 151 mm</b>						
927.206		2 (13A)			90°	
927.207		1 (13A)			90°	●



927.251



927.200



927.201



927.207

### XX-small KAPSA power strips

#						
<b>Power input: 2.0m cable with ferrules and mounting plug   Width 68 mm</b>						
927.400	1				90°	
927.402			1		90°	
927.404				1	90°	
927.410						1
<b>Power input: 2.0m cable with mounted UK plug   Width: 68 mm</b>						
927.406		1			90°	



927.400



927.404



927.410



Power strip and lid must be ordered separately

For suitable **device supply cables**, see from page 64.



For **Custom Modules\***, see from page 197.



# DUE

DUE is the ideal power strip for the kitchen. It guarantees an elegant power supply and can be used just as effectively in the office as in other areas. With its interchangeable covers, it can be colour-coordinated to its surroundings or create accents as desired, even after installation.

The split cover allows DUE to be slid open as required, with a design that looks equally elegant when in use. The low mounting depth of approximately 45 mm allows it to be compactly integrated into kitchen worktops, or the wall, or installed above drawers.

## BENEFITS

- **Interchangeable lids available in black, white and stainless steel look**
- **Low mounting depth (approx. 45 mm)**
- **Space-saving design even when open**
- **Supplied with installation template**

## AWARDS

**DESIGN PLUS**  
powered by: **lightbuilding**



**Dimensions (WxHxD):** 139x67x49 mm  
**Mounting depth without cable:** 45 mm  
**Material:** plastic  
**Thickness of tabletop:** 10–40 mm

**Socket colour:** black

**Lid colour variants:**

### DUE power strips

#					
---	--	--	--	--	--

**Power input: 0.2m cable with GST18i3 plug**

929.010	2			90°	
929.030	1			90°	●
929.034		1		90°	●
929.012			2	90°	
929.032			1	90°	●

**Power input: 2.0m cable with ferrules and mounting plug, included**

929.000	2			90°	
929.002			2	90°	

**Power input: 2.0m cable with mounted UK plug**

929.004		2 (13A)		90°	
---------	--	---------	--	-----	--

### DUE power strips with Custom Module USB charger

#					
---	--	--	--	--	--

**Power input: 0.2m cable with GST18i3 plug and T-distributor**

929.040	1			90°	●
929.044		1		90°	●
929.042			1	90°	●



929.010



929.030



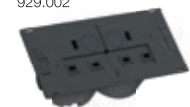
929.034



929.032



929.002



929.004



929.040



929.044



929.042

CONNECTION PANELS



Power strip and lid must be ordered separately

For suitable **device supply cables**, see from page 64.

For **Custom Modules\***, see from page 197.

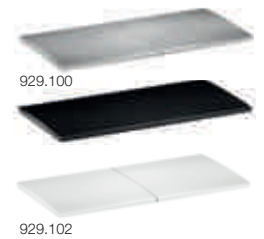
\* Observe compatibility table on page 197 onwards.

Pictograms and their meanings can be found on page 319.

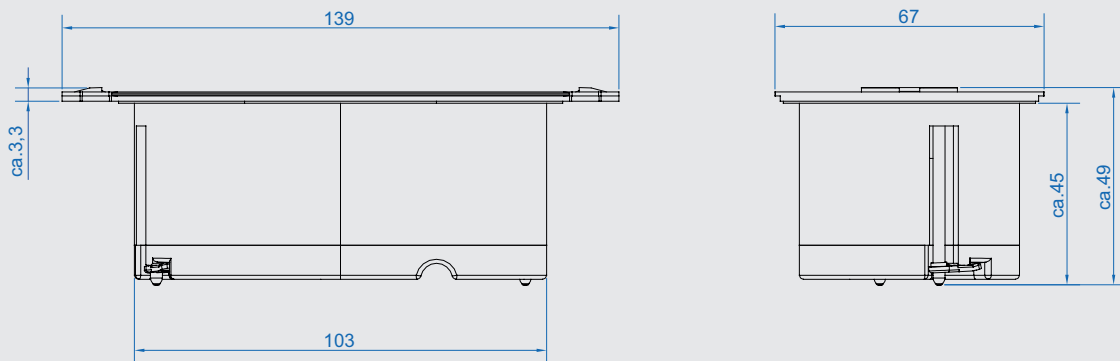


**DUE lid**

#	
929.100	Stainless steel look surface
929.101	Black (similar to RAL9005)
929.102	White (similar to RAL9010)



**Space-saving even when open.**




Dimensions in mm without lid

Power strip and lid must be ordered separately

For suitable **device supply cables**, see from page 64.

For **Custom Modules\***, see from page 197.

## Accessories

#	
<b>Hole saw</b>   For installing DUE	
926.900	In wood/plastic   Cutting depth up to 44 mm   Diameter 56 mm
918.900	Mounting tool for hole saw with centre drill



926.900 Similar to picture



918.900





# TWIST

TWIST is a power strip for living and work environments such as the office, lounge or kitchen. With its compact design and low mounting depth, it is easily integrated into desks or kitchen worktops. Because the power cable is routed close to the housing, the mounting depth is only around 40mm, so the unit can be easily installed above a drawer.

With various surfaces and colours, TWIST blends easily into both modern and organic form and colour concepts. An ingenious fastening mechanism: after use, simply rotate the cover and the sockets disappear underneath it.

TWIST has won numerous highly renowned design prizes including the Good Design Award 2014, the Red Dot Product Design Award 2012, the Focus Open 2014 Silver and Interior Innovation Award 2014, the Best Office Award at the Office Next Moscow trade fair 2014 and lastly the Interzum Award: intelligent material & design 2015.

## BENEFITS

- **Just 40 mm mounting depth**
- **Quick and easy to install**
- **Suitable for retrofitting**
- **Space-saving cable guide**
- **Integrated water run-off**

## AWARDS



**Dimensions (H x diameter):** 42.5 x 115 mm  
**Mounting depth:** 40 mm  
**Tabletop thickness:** as of 8 mm  
**Material:** Cover disc: metal  
 Socket: plastic

**Socket colour:** black  
**Colour variants:**



Watch the TWIST installation video on YouTube





**TWIST**

#						
<b>Stainless steel look</b>   Power input: 2.0m cable with ferrules and mounting plug, included						
931.000	2					
931.031	1					•
931.002		2				
931.032		1				•
931.008			2 (T23)			
931.030				2		
<b>Matt chrome</b>   Power input: 2.0m cable with ferrules and mounting plug, included						
931.021	2					
931.016		2				
<b>Matt chrome</b>   Power input: 0.2m cable and GST18 plug						
931.033	1					•
931.001	1					2
931.034		1				•
931.003		1				2
931.009			1 (T13)			2
<b>Matt black</b> (painted, similar to RAL9005)   Power input: 2.0m cable with ferrules and mounting plug, included						
931.150	2					
931.131	1					•
931.152		2				
931.132		1				•
931.130				2		
<b>Matt black</b> (painted, similar to RAL9005)   Power input: 0.2m cable and GST18 plug						
931.133	1					2
931.134		1				2
<b>Matt white</b> (painted, similar to RAL9010)   Power input: 2.0m cable with ferrules and mounting plug, included						
931.250	2					
931.231	1					•
931.252		2				
931.232		1				•
931.280				2		
<b>Matt white</b> (painted, similar to RAL9010)   Power input: 0.2m cable and GST18 plug						
931.233	1					2
931.234		1				2



931.000



931.031



931.032



931.030



931.021



931.001



931.150



931.250

CONNECTION PANELS



For suitable **device supply cables**, see from page 64.


For suitable **Keystones**, see from page 183.

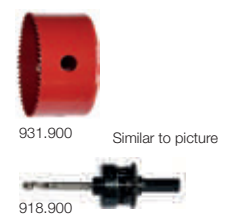
**TWIST COLOUR**

More than 200 colours and different gloss levels available on request.



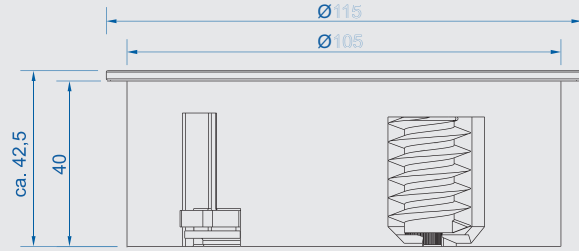
**Accessories**

#	
<b>Hole saw</b>   For installing TWIST	
931.900	In wood/plastic   Cutting depth up to 44 mm   Diameter 105 mm
918.900	Mounting tool for hole saw with centre drill





With a **mounting depth of just 40 mm**, the TWIST is so compact that it is even possible to install it above a drawer.



Dimensions in mm



# LOOP IN

You don't find cable glands interesting? Then you don't know about LOOP IN yet! This smart function insert, with its modern and elegant design, is fast and easy to mount and, in addition to the practical cable gland function for different types of cables, it includes a socket outlet with earthing contact. Just insert, lock ... and you're done!

The insert is perfect for any location where you require power but want to avoid a tangle of cables. LOOP IN can be used in conjunction with LOOP ROUND to achieve a higher-quality metal finish.

## BENEFITS

- **Easy mounting and flexible replacement**
- **For feeding through up to 4 cables**
- **Suitable for standard 80 mm holes**
- **Can be used in conjunction with LOOP ROUND**





**Dimensions (H x diameter):** 89 x 75 mm  
**Mounting depth:** 89 mm  
**Mounting Ø:** 80 mm  
**Contact surface Ø:** 88 mm

**Material:** plastic

**Colour variants:** 

**LOOP IN**

- Function insert for integration in LOOP ROUND | Suitable for 80mm standard holes
- 2 x cable glands Ø: 7 mm | 2 x cable glands Ø: 10 mm
- Power input: 2.0m cable with mounted plug

#		
<b>Black (similar to RAL9005)</b>		
938.001	1	
938.002		1
<b>White (similar to RAL9003)</b>		
938.101	1	
938.102		1



938.001



938.002



938.101



938.102

CONNECTION PANELS



**Combines perfectly** with the LOOP ROUND cable gland



**LOOP IN**  
Power input with cable gland  
938.001



**LOOP ROUND**  
Grey metallic  
930.300



**LOOP ROUND**  
Black  
930.301



**LOOP ROUND**  
White  
930.303



**LOOP ROUND**  
Stainless steel look  
930.304

For suitable **LOOP ROUND** cable glands, see page 96.



# PIX

The stylish PIX range is a collection of delicate, round sockets and connection units that can be used in many different ways – in the office, kitchen, public lounges or at home.

When used alone or in your chosen combination, the decorative rings are available in various colours and can be changed over. An ingenious, swivel-mounted lid, providing protection from dust and dirt, is available as an option for PIX and can also be retrofitted.

With its round, flat shape and minimalist appearance, the PIX meets design requirements exactly where you need it.

## BENEFITS

- **Can be integrated on its own or in your chosen combination**
- **Interchangeable, coloured decorative rings**
- **Small mounting diameter of 56 mm**
- **Optionally with swivel-mounted lid**
- **Simple mounting from above, retrofitting possible too**
- **Integrated water run-off**



**Dimensions (H x diameter):** 50 x 68 mm  
**Mounting depth without cable:** 45 mm  
**Thickness of tabletop:** 10–40 mm

**Socket colour:** black  
**Material:** plastic

**Colour variants:**



### PIX power strips

#					
---	--	--	--	--	--

#### 2 decorative rings (black, similar to RAL9005 and white, similar to RAL9010)

Power input: 0.2m cable with GST18i3

926.000	1				
926.002			1		
926.004				1	
926.010					1

#### With 3 decorative rings (black, similar to RAL9005, white, similar to RAL9010 and stainless steel look)

Power input: 2.0m cable with ferrules and mounting plug, included

926.001	1				
926.003			1		
926.005				1	

#### With 3 decorative rings (black, similar to RAL9005, white, similar to RAL9010 and stainless steel look)

Power input: 2.0m cable with mounted UK plug

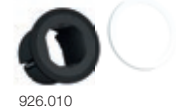
926.007		1 (13A)			
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926.000



926.002



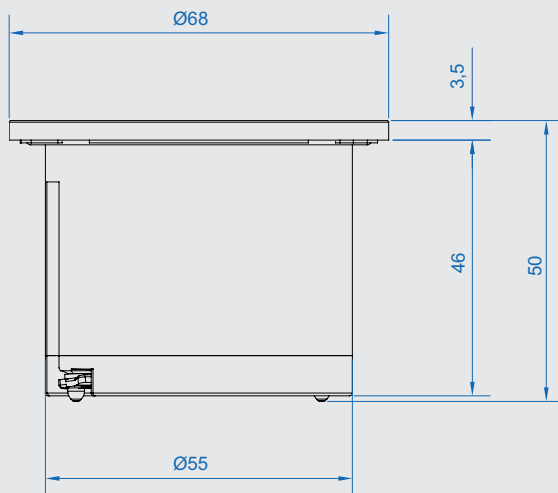
926.010



926.007



**Compact design and low built-in mounting depth**  
ensure a space-saving installation.



Dimensions in mm

For suitable **device supply cables**, see from page 64.




For **Custom Modules\***, see from page 197.



### PIX lid set

· Swivelling lid with matching decorative ring incl. covers for all countries and connection variants

#	
926.100	Stainless steel look
926.101	Black (similar to RAL9005)
926.102	White (similar to RAL9010)




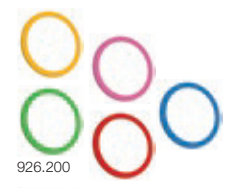
926.101



926.102

### PIX decorative ring sets

#	
926.200	<b>Classic</b>   Set of 5 coloured decorative rings: in yellow (similar to RAL1028), green (similar to RAL6018), pink (similar to RAL4003), red (similar to RAL3020), blue (similar to RAL5015)
926.206	<b>Stainless steel look</b>   25 decorative rings in stainless steel look
926.207	<b>Stainless steel Black White</b>   Set of 30 decorative rings: in stainless steel look (packaging unit 10 pieces), black (similar to RAL9005, packaging unit 10 pieces), white (similar to RAL9010, packaging unit 10 pieces)




926.200



926.206

### Accessories

#	
<b>Hole saw</b>   For installing PIX	
926.900	In wood/plastic   Cutting depth up to 44 mm   Diameter 56 mm
918.900	Mounting tool for hole saw with centre drill




926.900

Similar to picture



918.900

 PIX decorative rings available in eight colour variants





CONNECTION PANELS

# MINI PIX

A real highlight – not only for offices with a clean desk concept: MINI PIX, BACHMANN’s smallest in-built solution, unobtrusively provides connections. Like its sister PIX, MINI PIX has an attractive, modern design. Its compact installation dimensions make the in-built solution particularly well-suited to offices, lounges or homes, where it unobtrusively leads data or media connections to the table or desk and allows cables to be plugged in with ease.

The keystone mount makes the MINI PIX highly flexible: BACHMANN’s versatile modules for data and media connections can be easily inserted in MINI PIX before installation. Installation of the product itself is incredibly easy because MINI PIX can be quickly and easily inserted into any 28 mm drill hole.

## BENEFITS


- **Minimalist construction dimensions**
- **Easy installation**
- **Versatile use**
- **Can be combined with BACHMANN keystone modules**

## MINI PIX

#	
942.000	Black   For insertion into 28 mm drill hole



942.000

	<p><b>Dimensions (H x Ø):</b> 23x35 mm</p> <p><b>Mounting depth:</b> approx. 55 - 120 mm needed (depending on keystone and cable used)</p>	<p><b>Material:</b> plastic</p>
---	--	---------------------------------



# ELEVATOR

ELEVATOR fits perfectly in any setting. With a diameter of 79 mm, ELEVATOR is ideal for integrating power and data connections in tiny spaces. Simply press down with your finger to raise and lower ELEVATOR.

Installation is incredibly simple. ELEVATOR is placed in a cut-out 79 mm in diameter and secured to the furniture using a lock ring.

## BENEFITS

- **Press down with your finger to raise**
- **Quick and easy to install**
- **Suitable for retrofitting**
- **Suitable for standard 79 mm hole**



**Dimensions (H x diameter):** 230 x 114 mm  
**Mounting depth (without cable):** 135 mm  
**Thickness of tabletop:** 16–60 mm  
**Material:** Profile: aluminium  
 Socket material: plastic

**Socket colour:** black  
**Colour variants:**



Watch the ELEVATOR installation video on YouTube



## ELEVATOR



**Stainless steel look** | Power input: 2.0 m cable with ferrules and mounting plug, included

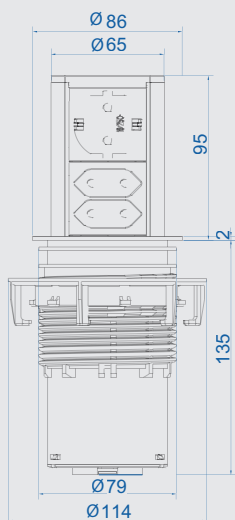
928.002	2						90°		
928.017	1						90°	●	
928.003	1				2		90°/0°		
928.021		1 (13A)					90°	●	
928.007			2				90°		
928.020			1				90°	●	
928.024				2 (T23)			90°		
928.063						1	35°	●	

**Matt chrome** | Power input: 0.5m cable and GST18 plug, 3.0m data cables incl. plug/socket

928.004	1						90°		2x CAT6
928.005	1						90°		1x CAT6 1x USB 3.0A
928.006	1						90°		1x CAT6 1x HDMI
928.026		1 (5A)					90°	●	
928.039		1 (5A)					90°		1x CAT6 1x USB 3.0A
928.008			1				90°		2x CAT6
928.009			1				90°		1x CAT6 1x USB 3.0A
928.010			1				90°		1x CAT6 1x HDMI
928.035				1 (T13)			90°		2x CAT6



**Simply press down with your finger**  
to raise and lower ELEVATOR.



Dimensions in mm



With ELEVATOR, Keystones are not interchangeable!

For suitable **device supply cables**, see from page 64.

## Accessories

#	
<b>Hole saw</b>   For installing ELEVATOR	
928.900	In wood/plastic   Cutting depth up to 44 mm   Diameter 79 mm
918.900	Mounting tool for hole saw with centre drill



928.900 Similar to picture



918.900





# ELEVATOR COVER

ELEVATOR COVER is the ideal mounting add-on and screen for the ELEVATOR power strip. With a housing for mounting inside the cabinet, ELEVATOR COVER holds all ELEVATORS perfectly.

ELEVATOR can be raised as usual with one press of the thumb and provides up to three sockets in a very small space. After use, ELEVATOR disappears back into the ELEVATOR COVER.

## BENEFITS

- **Mounting add-on and screen suitable for ELEVATOR**
- **Can be mounted quickly and easily on the wall or in a corner**
- **Suitable for subsequent assembly**

## ELEVATOR COVER

#	
<b>Stainless steel look</b>   Cover: black	
928.902	Housing to hold ELEVATOR   E.g. for mounting inside kitchen wall cupboard



**Dimensions (WxHxD):** 127x201x129mm

**Material:** aluminium, plastic



# LIFT

LIFT is the totally practical combination of sophisticated looks and high-precision mechanical design. The unit is recessed neatly in the surface of the furniture when not in use. Simply touch to raise out of the work surface ready for docking on all four sides. Once you have finished using the LIFT unit, simply push it back into its initial recessed position by hand – cutting-edge technology in motion.

LIFT can be supplied in various versions with power and data connections. This highly compact unit needs a drill hole of just 140 mm in diameter for installation. Mounting depth both open and closed is just 184 mm.

## BENEFITS

- **Simply touch to raise automatically**
- **Attractive looks all round**
- **Access points on four sides**
- **Incredibly compact dimensions**
- **Low mounting depth**
- **4 connecting units on one height unit**

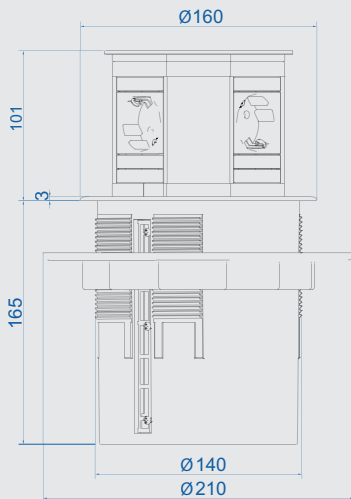


**Dimensions (H x diameter):** 266 x 210 mm  
**Hole diameter:** 140 mm  
**Mounting depth without cable:** 184 mm  
**Material:** Housing and lid: plastic  
 Profile: aluminium

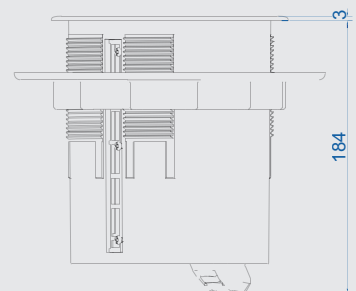
**Thickness of tabletop:** 10–60 mm  
**Socket colour:** black  
**Colour variants:** 



**Simply press down with your finger**  
to raise and lower LIFT.



Ø210,25  
Ø160  
Ø127,5



Dimensions in mm



**LIFT black**

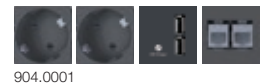
#								
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**Power input: 0.5m cable and GST18i3 plug**

904.000	4					35°		
904.020		4				90°		
904.004			4			35°		
904.024				4		0°		

**Power input: 3.0m cable and right-angled plug with earthing contact | Data cable 3.0m**

904.001	3					35°		2x CAT6
904.0001	2					35°	●	2x CAT6
904.002	2					35°		2x CAT6 1 x VGA+ miniature jack
904.003	2					35°		2x CAT6 2x USB
904.045	1					35°		2x CAT6 1 x VGA+ miniature jack 1 x HDMI
904.021		3				90°		2x CAT6
904.023		2				90°		2x CAT6 2x USB
904.022		2				90°		2x CAT6 1 x VGA+ miniature jack
904.005			3			35°		2x CAT6
904.007			2			35°		2x CAT6 2x USB
904.006			2			35°		2x CAT6 1 x VGA+ miniature jack
904.025				3		0°		2x CAT6
904.026				2		0°		2x CAT6 1 x VGA+ miniature jack
904.027				2		0°		2x CAT6 2x USB
904.0100				2		0°		2x CAT6 1 x HDMI

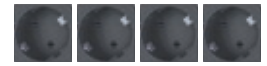




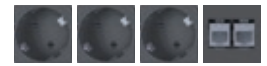


### LIFT silver

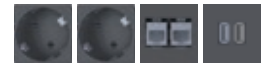
#				
<b>Power input: 0.5m cable and GST18i3 plug</b>				
904.008	4		35°	
904.012		4		
<b>Power input: 3.0m cable and right-angled plug with earthing contact   Data cable 3.0m</b>				
904.009	3		35°	2x CAT6
904.011	2		35°	2x CAT6 2x USB
904.010	2		35°	2x CAT6 1x VGA + miniature jack
904.052	1		35°	2x CAT6 1x VGA + miniature jack 1x HDMI



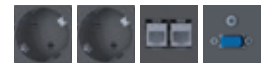
904.008



904.009



904.011



904.010



904.052

### Accessories

#	
<b>Hole saw</b>   For installing LIFT	
904.900	Hole saw for wood/plastic   Cutting depth 44 mm   Diameter 140 mm
918.900	Mounting tool for hole saw with centre drill



904.900

Similar to picture



918.900



# WIRELESS CHARGER

## Fs80

No plugs, no irritating cables: the WIRELESS CHARGER Fs80 enables all Qi-enabled mobile devices to be charged wirelessly.

The WIRELESS CHARGER Fs80 is a design-orientated product for inductive power transmission that suits any furniture. The charger contains an induction coil and features a fast-charge function. It is compatible with common Qi-enabled devices and can charge them with 5 V as standard. Fast charging (9 V) is also possible – in conjunction with the “Quick Charger” power supply unit (934.900).

The product’s high-quality aluminium surface in black (similar to RAL9005) fits into any surroundings. The charger can be installed completely tool-free in any surface with an 80 mm hole and a maximum tabletop thickness of 50 mm.

### BENEFITS

- **Fast charging (9 V) possible**
- **High-quality aluminium housing**
- **Over-charging protection**
- **Simple, tool-free installation**




**Dimensions (H x diameter):** 20 x 90 mm  
**Hole diameter:** 79 mm  
**Material:** Housing: Aluminium  
**Mounting depth without cable:** 20–50 mm

**Tabletop thickness:** Max. 50 mm

**Colour variants:**



## WIRELESS CHARGER Fs80

#	
934.001	Black (similar to RAL9005)   Qi standard: WPC1.2   Input: 5V / 9V DC   Output: 5V / 9V DC   "Quick Charger" power supply unit 934.900 required for fast charging (9V)   Charging distance: 0–8mm   For 79mm standard hole   1.5m cable with USB 2.0A / micro 2.0B supplied




### "Quick Charger" power supply unit

- Black (similar to RAL9005)
- Input voltage AC 100–240V | Power output DC 5V / 9V

#		
934.901	1	
934.900		1



### Accessories

#	
<b>Hole saw</b>   For installing the WIRELESS CHARGER Fs80	
928.900	Hole saw for wood/plastic   Cutting depth up to 44 mm   Diameter 79 mm
918.900	Mounting tool for hole saw with centre drill



Similar to picture



Charge a smartphone **without cables.**



# DESK 2

DESK 2 is a power strip that can be equipped with various communication modules. It has been designed for flexible use in the office, meeting rooms, home offices or desk-sharing environments. But DESK 2 is great in living spaces, too.

The power strip is made from aluminium and is available in various colours. The connections are screwed onto the standardised module windows and can be easily converted.

## BENEFITS

- **Design solution for the modern living and work environment**
- **User-focused 35° orientation**
- **Covered cable routing to the edge**
- **Custom versions for future-proofing**
- **Red Dot Design Award winner 2011**
- **IF Award winner 2012**
- **Nominated for the German Design Award 2012**

## AWARDS



**Dimensions (W x H x D):** see table x 85 x 100 mm  
**Material:** Profile: aluminium  
 Socket: plastic  
**Tabletop thickness:** 10–40 mm

**Socket colour:** black

**Colour variants:**

**DESK 2 power strips – white, similar to RAL9010**

#									
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**Without device supply cable** | Power input: 0.2m with GST18 | Including mounting bracket

902.202	3								35°		3	324 mm
902.201	3								35°		2	282 mm
902.200	3								35°		1	239 mm
902.2048	3								35°			197 mm
902.229	2								35°	●	2	282 mm
902.228	2								35°	●	1	241 mm
902.211	2								35°		2	239 mm
902.203	2								35°		1	197 mm
902.380	1								35°	●		155 mm
902.214		4							45°			317 mm
902.231		2							45°	●	1	274 mm
902.207		2							45°		2	274 mm
902.206		2							45°		1	239 mm
902.213		2							45°			197 mm
902.205			3						35°		2	282 mm
902.204			3						35°		1	239 mm
902.232			2						35°	●	1	239 mm
902.3641			1						35°	●		155 mm
902.209				3					90°		2	282 mm
902.208				3					90°		1	239 mm
902.230				2					90°	●	2	282 mm
902.220					3				35°		2	317 mm
902.272					2				35°	●	1	275 mm

**With device supply cable** | Power input: 0.2m with GST18 | Including mounting bracket | 1.5m separate device supply cable GST18/earthing contact

902.302	3								35°			282 mm
902.301	3								35°			239 mm
902.300	3								35°			197 mm



CONNECTION PANELS

**More than 200 colours** available on request.

For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.

### DESK 2 power strips – stainless steel

#												
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**Without device supply cable** | Power input: 0.2m with GST18 | Including mounting bracket

902.402	3					35°					3	324 mm
902.401	3					35°					2	282 mm
902.400	3					35°					1	239 mm
902.4048	3					35°						197 mm
902.429	2					35°	●				2	282 mm
902.428	2					35°	●				1	241 mm
902.411	2					35°					2	239 mm
902.403	2					35°					1	197 mm
902.5712	1					35°	●					155 mm
902.431		2				45°	●				1	274 mm
902.407		2				45°					2	274 mm
902.406		2				45°					1	239 mm
902.405			3			35°					2	282 mm
902.404			3			35°					1	239 mm
902.432			2			35°	●				1	239 mm
902.5711			1			35°	●					155 mm
902.409				3		90°					2	282 mm
902.408				3		90°					1	239 mm
902.430				2		90°	●				2	282 mm
902.448					3	35°					2	319 mm

**With device supply cable** | Power input: 0.2m with GST18 | Including mounting bracket | 1.5m separate device supply cable GST18/earthing contact

902.502	3					35°				2 x CAT6 coupling socket/socket 1 x USB A/A 3.0 Keystone module 1 x HDMI Keystone socket/socket		282 mm
902.501	3					35°				1 x CAT6 coupling socket/socket 1 x USB A/A 3.0 Keystone module		239 mm
902.500	3					35°						197 mm



902.402



902.400



902.4048



902.429



902.403



902.430



902.502



902.501

For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.



**DESK 2 power strips – black, similar to RAL9005**

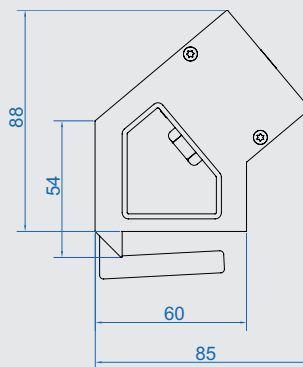
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**Without device supply cable** | Power input: 0.2m with GST18 | Including mounting bracket

902.602	2					35°	●	1	241 mm
902.705	1					35°	●		155 mm
902.611		2				45°	●	1	283 mm
902.726		1				45°	●		198 mm
902.603			2			35°	●	1	239 mm
902.706			1			35°	●		155 mm
902.600				2		90°	●	1	261 mm
902.725				1		90°	●		155 mm
902.727					3	35°	●	1	325 mm
902.613					2	35°	●	1	275 mm



**Can be adjusted to different tabletop thicknesses** using mounting brackets.



Dimensions in mm

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.



# DESK 2 ALU BLACK

## DESK 2 ALU BLACK

- Profile colour: grey
- End cap colour: black

#								
<b>Without device supply cable</b>   Power input: 0.2m with GST18   Including mounting bracket								
937.001	2				35°	●	1	241 mm
937.102	1				35°	●		155 mm
937.004		2			45°	●	1	284 mm
937.105		1			45°	●		199 mm
937.002			2		35°	●	1	241 mm
937.103			1		35°	●		155 mm
937.003				2	90°	●	1	262 mm
937.104				1	90°	●		155 mm

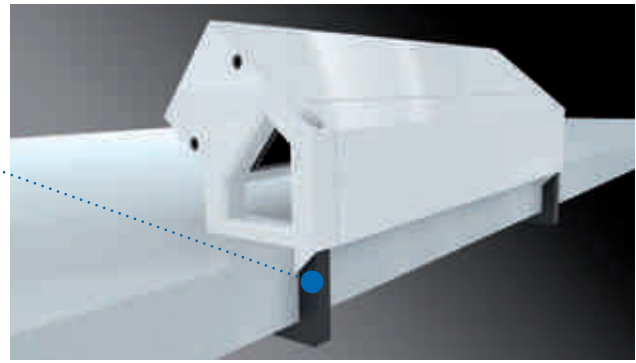


For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.



DESK 2 is economical on space and secured to the furniture with aluminium mounting brackets and cables are routed behind the screen.



Particular attention has been paid to the design of 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 accessories

#	
<b>DESK 2 cable guide</b>   Covered cable guide to the edge of the table	
918.106	Plastic painted in white, similar to RAL9010
918.107	Plastic, painted in stainless steel
918.124	Plastic painted in black, similar to RAL9005
<b>DESK 2 adhesive base</b>   2x TESA POWER STRIP	
918.110	2 x adhesive base set, plastic, painted in white similar to RAL9010
918.111	2 x adhesive base set, plastic, painted in stainless steel
918.122	2 x adhesive base set, plastic, painted in black, similar to RAL9005
<b>Mounting bracket for tabletop thicknesses of 25 to 50 mm</b>	
930.120	Anodised aluminium, material thickness approx. 9 mm   Contents: 2x mounting clamps, anodised aluminium profile, 2x Allen bolts M5 x 60 mm



918.106



918.110



918.111



930.120



DESK 2 mounting brackets are suitable for tabletop thicknesses of 10 mm to 40 mm. Alternatively, DESK 1 standard mounting 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.



# DESK RAIL

More space for creativity and efficiency at your desk with DESK RAIL: The smart system allows power, media and data connections to be secured directly to third level railing systems, providing more space on the tabletop and also quick, convenient access to a whole host of connections.

Tried-and-tested BACHMANN 90° custom modules also ensure maximum flexibility in this case. The central modules for video, audio and network connections can be integrated into DESK RAIL as desired, thereby keeping the system state-of-the-art at all times.

DESK RAIL is easily and securely mounted onto the front side, while power and data cables are connected from below. A universal mount makes DESK RAIL compatible with virtually all standard railing systems.

## BENEFITS

- **More space on the desk**
- **Common railing system compatibility**
- **Simple mounting**
- **Convenient access to various connections**
- **90° Custom Modules for more flexibility**



**Dimensions (W x H x D):** see table x 52 x 52 mm  
**Material:** Profile: aluminium  
 Socket: plastic

**Socket colour:** black

**Colour variants:**

## DESK RAIL

- Profile colour: Grey
- End cap colour: black
- Compatible with the following railing systems: BENE, NOVUS, K&N, Steelcase, VS etc.



**Without device supply cable** | Power input: 2.0m with GST18

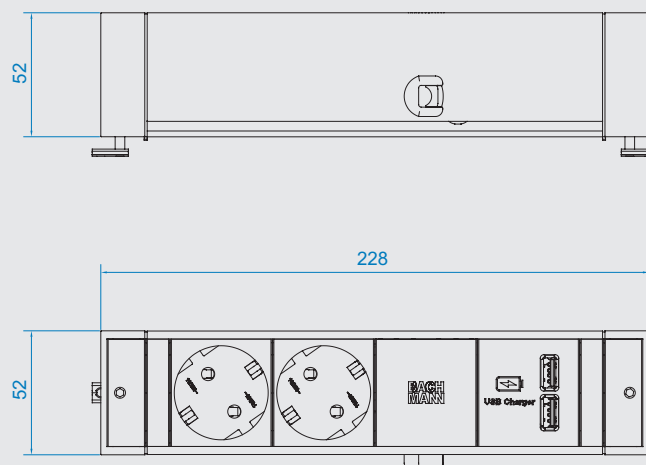
941.001	2				35°	●	1	270mm
941.101	2				35°	●		228mm
941.003		2			45°	●	1	295mm
941.103		2			45°	●		253mm
941.002			2		35°	●	1	270mm
941.102			2		35°	●		228mm
941.004				2	90°	●	1	300mm
941.104				2	90°	●		258mm



CONNECTION PANELS



**Easy access** to the connections thanks to **mounting on the railing system.**



Dimensions in mm



Further railing systems available on request.

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.



# DESK 1

DESK is the ideal solution for data, media and power management wherever these connections 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 applications. For the power supply, there is therefore a free choice of either the flexible Wieland connector system or permanent connections. The data connections are fitted with adapters as standard, but can likewise also be fixed connections.

## BENEFITS

- **Flexibility of use regardless of location**
- **With Wieland connector system or fixed cable connections**
- **With fixation or free-standing**
- **Custom versions for future-proofing**



**Dimensions (W x H x D):** see table x 74 x 93 mm  
**Material:** anodised aluminium profile  
 Socket: plastic

**Socket colour:** black

**Colour variants:**

**DESK 1 power strips – without cable**



Power input: GST18 | Power output: GST18

902.0049	4					35°					271 mm
902.017	3					35°	●		1		324 mm
902.0050	3					35°	●				271 mm
902.003	3					35°			4		409 mm
902.002	3					35°			3		366 mm
902.001	3					35°			2		324 mm
902.000	3					35°			1		281 mm
902.0048	3					35°					229 mm
902.0183	2					35°		●	2		324 mm
902.0182	2					35°		●	1		281 mm
902.0192	2					35°		●			281 mm
902.0382	1					35°		●			197 mm
339.1020		4				45°					356 mm
902.0261		2				45°		●	2		359 mm
902.0184		2				45°		●	1		316 mm
902.166		2				45°		●			274 mm
902.0089		2				90°			3		344 mm
902.024		2				45°			2		346 mm
902.1017		2				45°			1		276 mm
339.1018		2				45°					229 mm
902.1076			4			35°					271 mm
902.007			3			35°			4		409 mm
902.006			3			35°			3		366 mm
902.005			3			35°			2		365 mm
902.004			3			35°			1		281 mm
902.1313			3			35°					229 mm
902.0562			2			35°		●	2		324 mm
902.0185			2			35°		●	1		281 mm
902.068			2			35°		●			239 mm
902.1309			1			35°		●			189 mm
339.110				4		0°					242 mm
902.010				3		0°			3		344 mm
902.009				3		0°			2		301 mm
902.008				3		0°			1		258 mm
902.1804				3		0°					229 mm
902.0161				2		90°		●	2		324 mm
902.0578				2		90°		●	1		301 mm
902.1992				2		0°		●			239 mm
902.0914					3	35°			1		298 mm
902.0179					2	35°		●	1		293 mm



CONNECTION PANELS

Standard items are supplied without mounting brackets

For suitable **device supply cables**, see from page 64.

For suitable **Custom Modules**, see from page 180.

### DESK 1 power strips – with cable

#									
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**Power input: 1.0m with GST18**

902.0096	3			35°				2	324 mm
902.054	3			35°				1	281 mm
902.0245	2			35°		●		2	324 mm
902.0243	2			35°		●		1	281 mm
902.0250		2		45°		●		2	359 mm
902.0260		2		45°		●		1	316 mm
902.026		2		45°				2	346 mm
902.1432		2		45°				1	276 mm
902.0222			3	35°				2	324 mm
902.0234			3	35°				1	281 mm
902.0142			2	35°		●		2	324 mm
902.0168			2	35°		●		1	281 mm
902.0221				3	90°			2	301 mm
902.0220				3	90°			1	317 mm
902.0219				2	90°		●	2	324 mm
902.0218				2	90°		●	1	314 mm

**Power input: 3.0m | With right-angled plug with earthing contact | Including standard mounting bracket and screws**

339.1000	4		35°						268 mm
339.1001	3		35°			●			268 mm



902.0096



902.054



902.1432



902.0234



339.1000



339.1001

### DESK 1 power strips – equipped

#									
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**Power input: GST18i3 plug | Power output: GST18i3 socket | Incl. standard mounting bracket and screws**

339.1005	3	35°		2xCAT6a RJ45, front: socket/back: socket 1xVGA, 15-pole + miniature jack, 3.5 mm	296 mm
339.1006	3	35°		2xCAT6a RJ45, front: socket/back: socket 1 x USB A/A socket	325 mm
339.1004	3	35°		2xCAT6a RJ45, front: socket/back: socket	284 mm
339.1002	3	35°			229 mm



339.1005



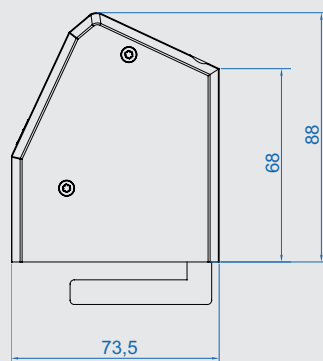
339.1006



339.1004



**Individual equipment options**  
entirely according to your wishes.



Dimensions in mm

For suitable **device supply cables**, see from page 64.



For suitable **Custom Modules**, see from page 180.

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



**Plug connectors as standard**

The standard power connection features a Wieland plug 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, if needed. We use Wieland's GST18 plug connector, which is popular all over the world, as standard. This plug connector has a catch mechanism which complies with the relevant standards and can be released again if required. The contacts on the plug connector are safe to touch. A power output socket provides a means of forwarding power to the next module.



**Mounting without damage**

DEBK 1 can be mounted on the edge of a table quickly and easily using a set of mounting brackets. A size 4 Allen key is required to tighten the inside screw on the mounting bracket. Mounting does not damage the furniture. You will find a range of mounting brackets and units on this page.

**DEBK 1 plus STEP combined**

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

**Accessories**

#	
918.001	<b>Mounting brackets, narrow for tabletop thickness up to 50 mm</b> Stainless steel, material thickness 3 mm   Contents: 2 stainless steel mounting brackets, 2 M5 x 45 mm Allen bolts
930.120	<b>Mounting brackets, standard for tabletop thickness up to 50 mm</b> Anodised aluminium, material thickness approx. 9 mm   Contents: 2x mounting clamps, anodised aluminium profile, 2x Allen bolts M5 x 60 mm
930.180	<b>Mounting brackets, long for tabletop thickness up to 80 mm</b> Long mounting bracket 50–80 mm   Contents: 2x mounting clamps, painted black, similar to RAL9011, 2x M5 x 45 mm Allen bolts, 2x M5 x 60 mm Allen bolts
930.183	<b>Chipboard screw for DEBK end caps, for tabletop thicknesses over 15 mm</b> Contents: 2 x screws, 4 x 90 mm, 2 x brass threaded sleeve
930.182	<b>Mounting plate</b> Black plastic   Mounting plates for attachment to DEBK end caps Contents: 2x mounting plates, 2x screws, 2x tesa Powerstrip®





# CASIA

The universal power strip is an efficient solution providing an easy-to-access power connection in living and work environments, e.g. in the kitchen. The power strip can be mounted in a corner or on the wall.

The cover surface with stainless steel look has a timeless design and is therefore ideally suited to a modern interior. The power strip is available in several versions – for example with a rocker switch or USB double charger.

## BENEFITS

- **Supplied with cover for individual adjustment of installation height**
- **Quick and flexible in use**
- **For wall or corner mounting**
- **Suitable for retrofitting**
- **Timeless design**
- **Secure installation**






**Dimensions (W x H x D):** 457 – 585 x 69 x 91 mm  
**Material:** Profile: aluminium  
**Socket colour:** black

**Colour variants:** 

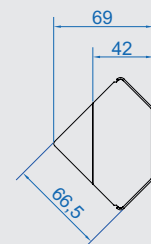
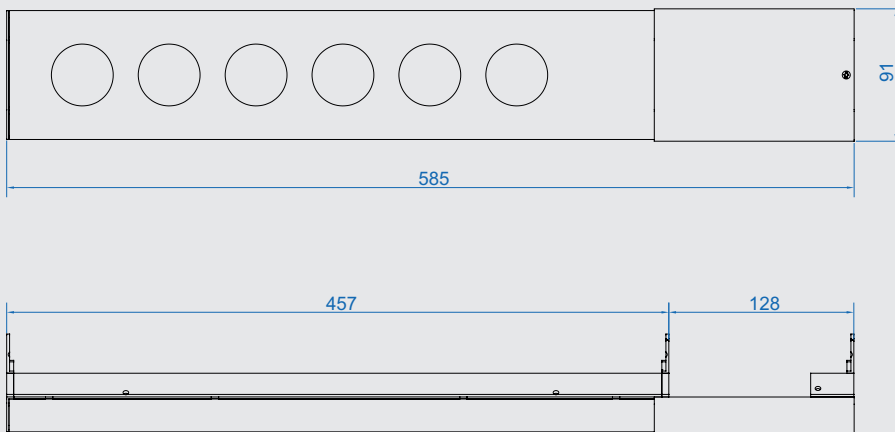


### CASIA power strip

#			
<b>Power input: 2.0m H05VV-F 3G 1.5mm<sup>2</sup> with mounting plug, enclosed</b>			
923.006	4		
923.010		4	
<b>Power input: 2.0m H05VV-F 3G 1.5mm<sup>2</sup> with mounting plug, enclosed   1 x rocker switch</b>			
923.008	4		•
923.007	4		
923.012		4	•
923.011		4	



**Individual adjustment of installation height**  
to your specifications.



Dimensions in mm



# LanLight®

Modular installation, offering flexible supply to office workstations

LanLight® combines power, network connectivity, connections to media and even lighting in one modular, multifunctional system. The consistently modular construction lets you adapt and use it flexibly in office environments. The supply system creates order in providing the various connections required at the workplace, and so increases safety. With its clear styling and high-quality materials, it fits harmoniously and unobtrusively into its surroundings.

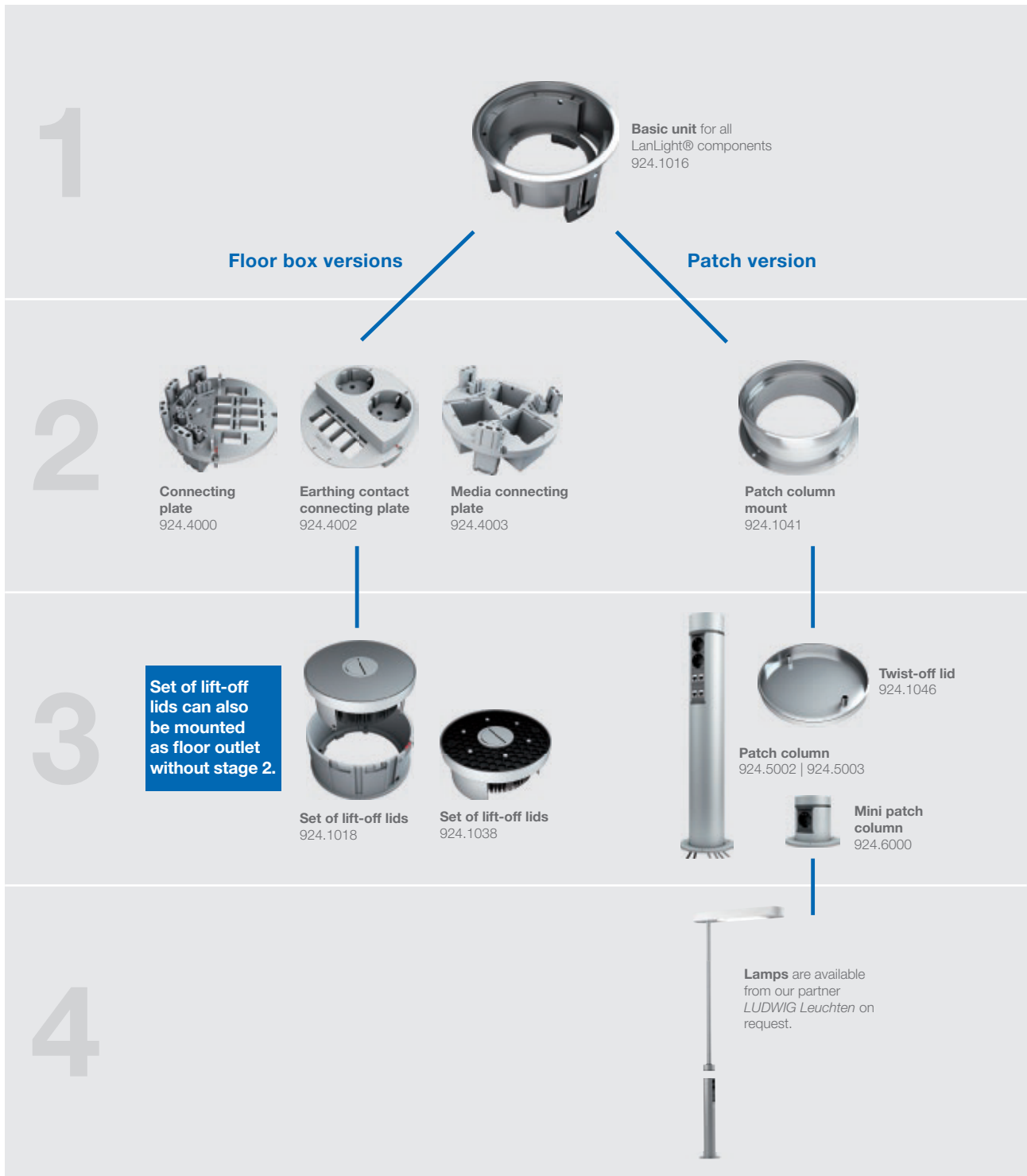
**LanLight®**  
SMART SUPPLY SYSTEM

## BENEFITS

- **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 and mobile power columns (with or without light fittings)**
- **Attractive, harmonious visual design**
- **No tangle of cables under the desk**

## AWARDS





### Stage 1: LanLight® base unit

#	
<b>Base unit for all LanLight® components</b>   Modular installation box	
924.1016	<ul style="list-style-type: none"> <li>· Fits into raised and false floors</li> <li>· Fixes in round cut-out with diameter 152 (+1) mm</li> <li>· For floor thicknesses from 25 to 70 mm (min. floor thickness 35mm for column versions)</li> <li>· Fixed by three clamping claws</li> <li>· Overall height: 97 mm, mounting depth: 93 mm, external diameter: 162 mm</li> <li>· Die-cast aluminium</li> </ul>



924.1016

## Stage 2: LanLight® inserts

#	
<b>Connecting plates for fitting in set of LanLight® lift-off lids</b>	
924.4001	<p><b>8P/4S connecting plate with breakout cable and GST18i3 plug</b></p> <ul style="list-style-type: none"> <li>Accommodates up to 4 Wieland GST15i3 sockets (current) and 8 data jacks (Keystone)</li> <li>Rear strain relief for power connections</li> <li>Disengagement aid for Wieland GST15i3 plugs</li> <li>4 x Wieland GST15i3 installation sockets, fitted, incl. 0.2m H05VV-F3G 2.5 mm<sup>2</sup> supply cable to GST18i3 plug</li> <li>Coded connections (data 1-8, current A-D)</li> <li>Diameter: 114.8mm</li> </ul>
924.4000	<p><b>8P/4S connecting plate for mains connection by client</b></p> <ul style="list-style-type: none"> <li>Accommodates up to 4 Wieland GST15i3 sockets (current) and 8 data jacks (Keystone)</li> <li>Rear strain relief for power connections</li> <li>Disengagement aid for Wieland GST15i3 plugs</li> <li>Coded connections (data 1-8, current A-D)</li> <li>4 x Wieland GST15i3 installation socket</li> <li>Diameter: 114.8mm</li> </ul>
924.4009	<p><b>Earthing contact unit 4P/2S with breakout cable and GST18i3 plug</b></p> <ul style="list-style-type: none"> <li>Accommodates up to 4 data jacks (Keystone)</li> <li>Rear strain relief for power connections integrated into housing</li> <li>Coded connections (data 1-4, current A-B)</li> <li>Including 2 x 0.2m H05VV-F3G 2.5 mm<sup>2</sup> supply cable to GST18i3 plug</li> <li>Diameter: 114.8mm</li> </ul>
924.4002	<p><b>Earthing contact unit for 4P/2S connecting plate for mains supply by client</b></p> <ul style="list-style-type: none"> <li>To connect up to two phases to the socket outlets with earthing contact</li> <li>Accommodates up to 4 data jacks (Keystone)</li> <li>Rear strain relief for power connections integrated into housing</li> <li>Coded connections (data 1-4, current A-B)</li> <li>Diameter: 114.8mm</li> </ul>
924.4003	<p><b>Media connecting plate for 3 x Custom Modules and 3 x power for mains connection by client</b></p> <ul style="list-style-type: none"> <li>To connect up to 3 Wieland GST15i3 sockets (power) and 3 BACHMANN Custom Modules</li> <li>Rear strain relief for power connections</li> <li>3 x Wieland GST15i3 installation socket</li> <li>Disengagement aid for Wieland GST15i3 plugs</li> <li>Coded connections (Custom Modules 1-3, current A-C)</li> <li>Diameter: 114.8mm</li> </ul>
924.4004	<p><b>Media connecting plate for 3 x Custom Modules and 3 x power with breakout cable and GST18i3 plug</b></p> <ul style="list-style-type: none"> <li>Accommodates up to 3 BACHMANN Custom Modules</li> <li>3 x Wieland GST15i3 installation sockets, fitted, incl. 0.2m H05VV-F3G 2.5 mm<sup>2</sup> supply cable to GST18i3 plug</li> <li>Rear strain relief for power connections</li> <li>Disengagement aid for Wieland GST15i3 plugs</li> <li>Coded connections (Custom Modules 1-3, current A-C)</li> <li>Diameter: 114.8mm</li> </ul>
<b>Patch column mount</b>	
924.1041	<p><b>Patch column mount</b></p> <ul style="list-style-type: none"> <li>Used to directly mount the LanLight® columns</li> <li>For 924.5002, 924.5003 and 924.6000</li> </ul>



924.4001



924.4000



924.4009



924.4002



924.4003



924.4004



924.1041



For suitable **Keystones**, see from page 183.



For suitable **Custom Modules**, see from page 180.

### Stage 3: Lid variants

#	
<b>Lift-off lid set for installation in the modular installation box</b>	
924.1018	<p><b>Lift-off lid set with stainless steel inlay</b></p> <ul style="list-style-type: none"> <li>Two positions: open during use/closed when not in use</li> <li>With catch mechanism when open</li> <li>With dust protection as cable gland</li> <li>With labelling card for connections</li> <li>With stainless steel inlay</li> <li>Insert diameter: internal 49mm, external 142mm</li> <li>Lift-off lid diameter 146.4mm, lid guide diameter 128.8mm</li> </ul>
924.1038	<p><b>Lift-off lid set, 5 mm/8 mm</b></p> <ul style="list-style-type: none"> <li>Two positions: open during use/closed when not in use</li> <li>With catch mechanism when open</li> <li>With dust protection as cable gland</li> <li>With labelling card for connections</li> <li>For gluing into dry surfaces with thicknesses of 5 mm or 8 mm (e.g. carpet, laminate)</li> <li>Insert diameter: internal 49 mm, external 142 mm, lining depth 5 mm or 8 mm</li> <li>Lift-off lid diameter 146.4 mm, lid guide diameter 128.8 mm</li> </ul>
<b>Twist-off lid to screw onto cone to hold column</b>	
924.1046	<p><b>Twist-off lid for 12 mm inlay</b></p> <ul style="list-style-type: none"> <li>Lid to close modular installation box with cone (924.1016, 924.1041)</li> <li>Water-resistant</li> <li>For inlay (e.g. stone/tiles) with approx. thickness 12 mm</li> <li>Incl. mounting wrench and sleeves</li> <li>Insert diameter: internal 139 mm</li> </ul>



924.1018



924.1038



924.1046

### Stage 3: LanLight® extension units

#	
<b>Column for 1-2 workplaces</b>	
924.5002	<p><b>4P/2S patch column, one-sided</b></p> <ul style="list-style-type: none"> <li>Simple mounting on the LanLight® conical holder (924.1041)</li> <li>2 socket outlets with earthing contact (2 phases) and 4 CAT6a jacks (Keystone)</li> <li>Coded connections (data 1-4, current A-B)</li> <li>2 x 6 m H05VV-F3G 2.5 mm<sup>2</sup> power supply cable to Wieland GST18i3 plug</li> <li>4 x 6 m data cables, CAT6a jack to CAT6a plug</li> <li>Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black</li> <li>Column can be expanded by adding a LanLight® system lamp</li> <li>Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006</li> <li>Height 640 mm, diameter 95 mm</li> </ul>
<b>Column for 3-4 workplaces</b>	
924.5003	<p><b>Patch column 8P/4S, two-sided</b></p> <ul style="list-style-type: none"> <li>Simple mounting on the LanLight® conical holder (924.1041)</li> <li>4 socket outlets with earthing contact (2 phases) and 8 CAT6a jacks (Keystone)</li> <li>Coded connections (data 1-8, current A-D)</li> <li>4 x 6 m H05VV-F3G 2.5 mm<sup>2</sup> power supply cable to Wieland GST18i3 plug</li> <li>8 x 6 m data cables, CAT6a jack to CAT6a plug</li> <li>Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black</li> <li>Column can be expanded by adding a LanLight® system lamp</li> <li>Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006</li> <li>Height 640 mm, diameter 95 mm</li> </ul>
<b>Mini column</b>	
924.6000	<p><b>Mini patch column 2S</b></p> <ul style="list-style-type: none"> <li>Mini patch column for simple mounting on the LanLight® conical holder (924.1041)</li> <li>2 socket outlets with earthing contact (2-phase)</li> <li>Coded connections (current A-B)</li> <li>30 mm surge water protection</li> <li>2 x 0.2 m breakout cable H05VV-F3G 2.5 mm<sup>2</sup> and GST18i3 plug including GST T-piece</li> <li>Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black</li> <li>Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006</li> <li>Height 150 mm, diameter 95 mm</li> </ul>



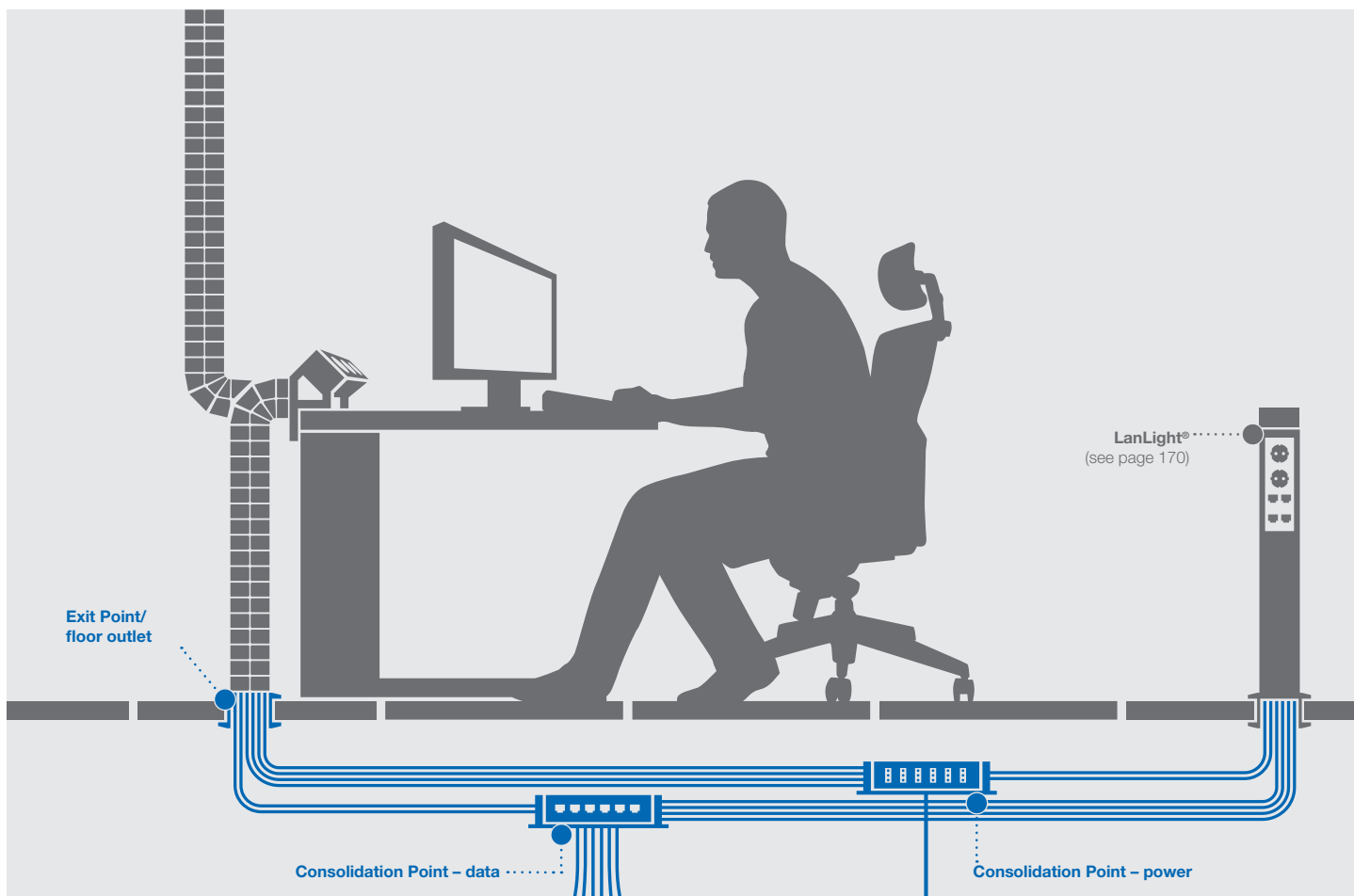
F R  
924.5002



F R  
924.5003



F R  
924.6000



# Consolidation Point

BACHMANN's 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 multiple socket strips from the BACHMANN Facility range complete the installation kit. Downstream of the Consolidation Point, the floor outlet allows power and data to be conveyed to the workplace with ease. This dispenses with complicated and inflexible installations such as traditional floor box systems.

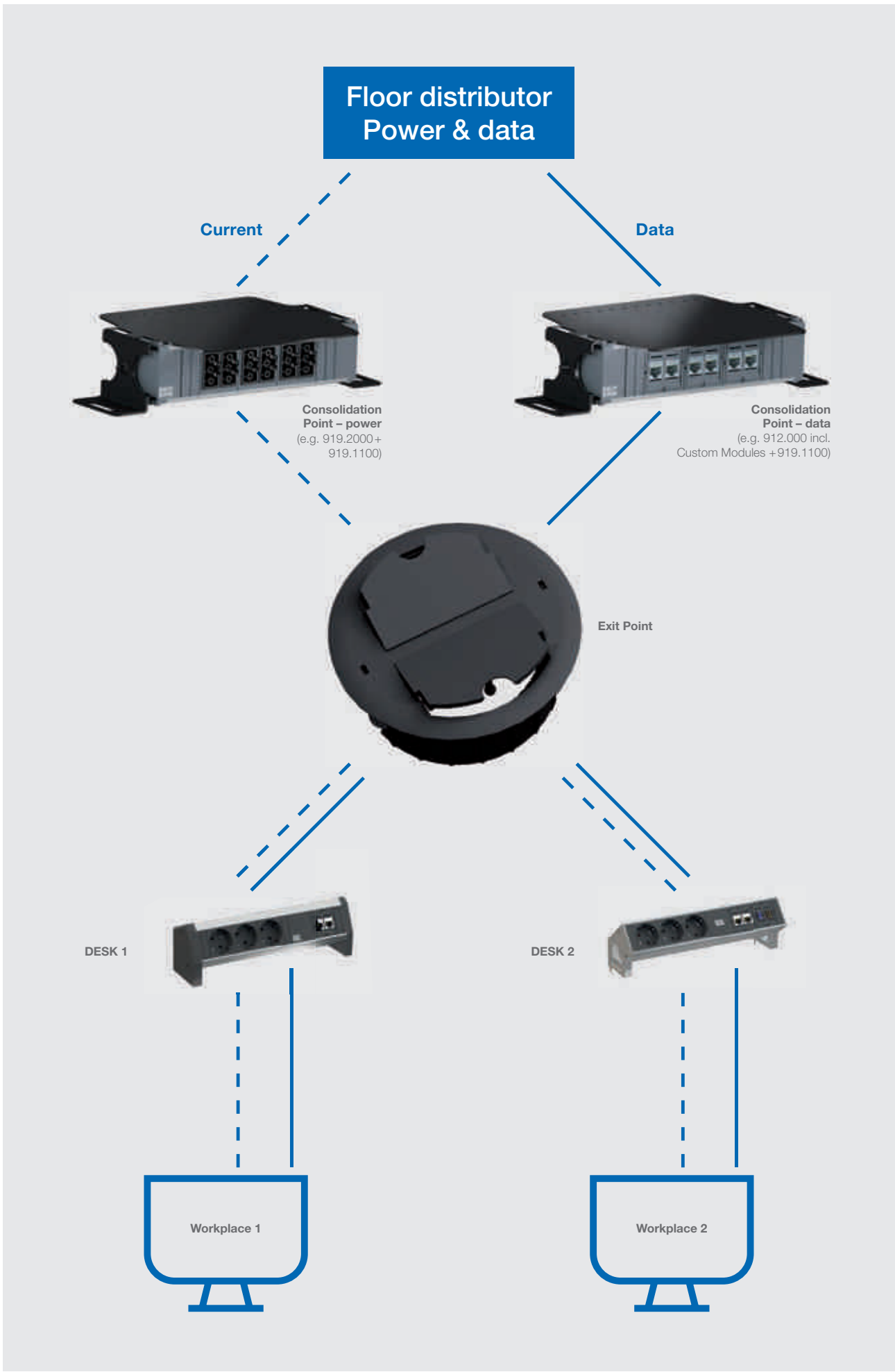
Thanks to the "open-office cabling", Consolidation Point and MUTO concepts, the network installation is flexible, future-proof and – at the same time – cost-optimised. You will receive a user-oriented connection unit.

In our full catalogue, you can also find various tabletop 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.

## BENEFITS


- **Modern under-floor distribution systems for conveying power and data with ease**
- **Flexible and future-proofed alternative to inflexible floor boxes**
- **Time-based installation on site**

For suitable **power strips**, see from page 176.



### Consolidation Point units for power


- Fully wired and electrically tested ex factory
- Power connections with plug connector systems from Wieland (Gesis GST); Wago (Winsta) versions available on request
- Other plug connector systems can be integrated if required
- Time-optimised installation on site
- Future-proof thanks to flexible installation/expansion

#	
<b>Large</b>   Length: 356 mm	
919.2002	12-way GST18i3 socket, black, 1-phase Power input: GST18i3
919.2003	2 x 6-way GST18i3 sockets, 2-phase Sockets in black and red Power input: GST18i3
919.2004	3 x 4-way GST18i3 sockets, 3-phase Sockets in black, red and grey Power input: 3 x GST18i3
919.2005	3 x 4-way GST18i3 sockets, 3-phase Sockets in red, black and grey Power input is via the end cap with rewirable terminal to allow connection by user
<b>Small</b>   Length: 217 mm	
919.2000	6-way GST18i3 socket, black, 1-phase Power input: GST18i3
919.2001	2 x 3-way GST18i3 sockets, 2-phase Sockets in black and red Power input: GST18i3



### Consolidation Point units for data

- Without power, to integrate BACHMANN custom modules
- Anodised aluminium profile
- Various manufacturers' systems can be integrated
- Easy to install and future-proof thanks to modular structure
- Should a replacement 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

#	
<b>Large</b>   Length: 356 mm	
912.001	6 x Custom Modules, empty Long: 356 mm
<b>Small</b>   Length: 217 mm	
912.000	3 x Custom Modules, empty Short: 217 mm




For suitable **device supply cables**, see page 64.

 For suitable **Custom Modules**, see page 180.



### Consolidation Point mounting

- Black, similar to RAL9005
- Mounting material: steel sheet
- 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. Consolidation Point unit
- Raised position of Consolidation Point units for greater protection in case of minor ingress of water
- Can be equipped on both sides

#	
<b>Large</b>	
919.1101	Long (for units with 6 modules)
<b>Small</b>	
919.1100	Short (for units with 3 modules)



### Floor outlet for dry-maintained floors

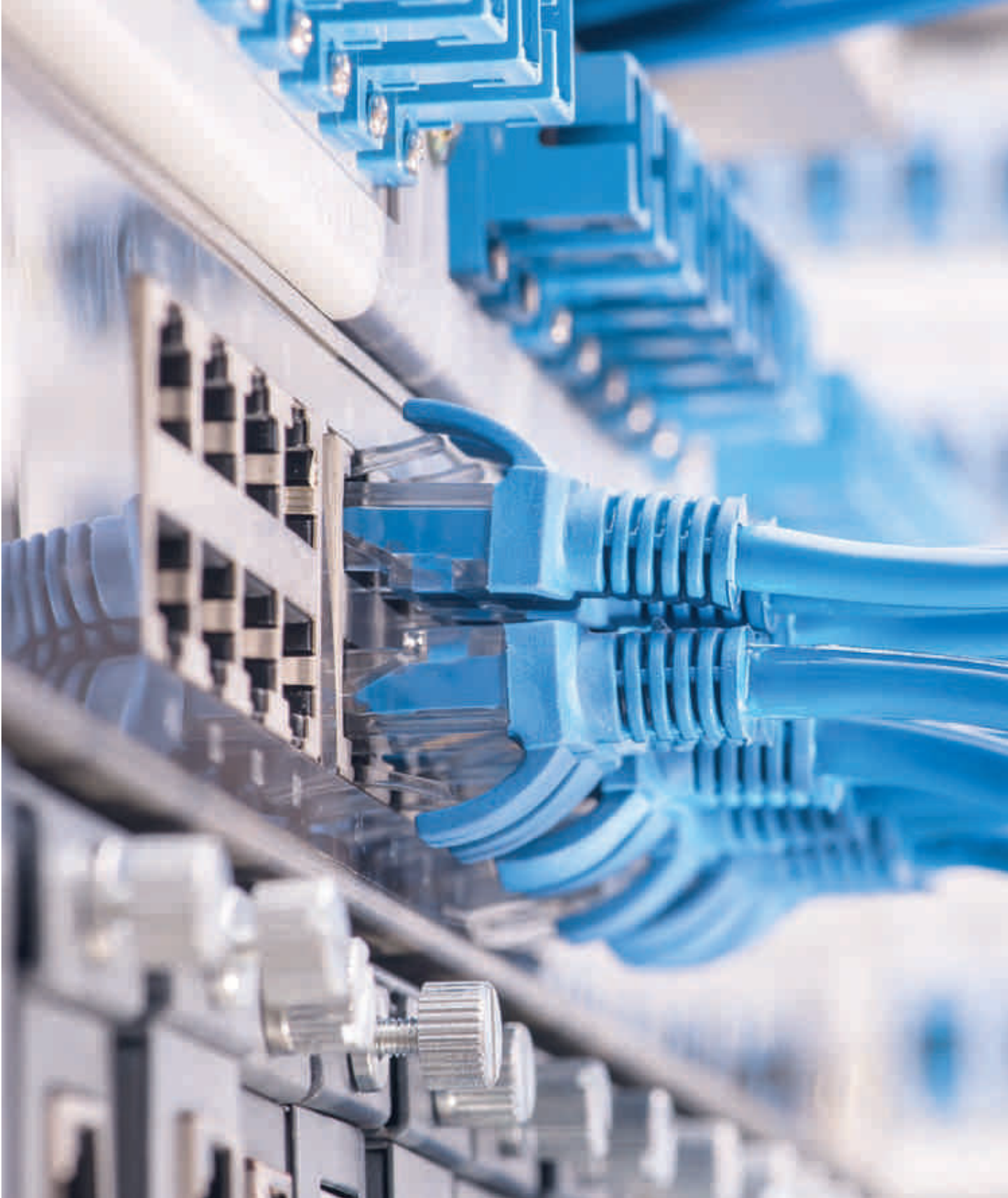
Outlet for dry-maintained floors (raised and false floors) with thickness from 24 mm for the cable outlet from the sub-floor (consolidation point) to the power strip on the desk. The outlet features a very simple universal fixing. With one rotation of each of the two eccentric Allen bolts in the outer ring, the outlet is anchored firmly into the floor, yet can easily be removed again if required. Two flaps, each of which can be opened to a position independent of the other, allow cabling to be routed out from the floor. The flaps can be snap-fastened in open positions, thus preventing cables becoming bent and possibly damaged. If required, the flaps can be rotated through 130° with the inner ring. Textile-fibre sleeves or cable guide 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 lid that can be stepped on.

- Exit Point/ground outlet for power supply lines and data lines
- Fits in raised floors with thicknesses from 24 mm
- For hole diameter 112 mm
- Simple fixing mechanism with Allen bolts
- 2 flaps, rotatable by approx. 130°, for cable outlet
- Material of floor outlet: polyamide (halogen-free)

#	
<b>Exit Point/floor outlet</b>	
919.1000	Black (similar to RAL9005)



# Network and media technology





## **Custom Modules**

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Custom Modules –	
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DisplayPort cable	208
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# Custom Modules – Individual solutions

BACHMANN Custom Modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in various applications, such as an office environment, but also in rack and electrical installations.

With the easily interchangeable modules, you can create units to meet the individual data, video and audio connection requirements of your customers quickly and simply.

BACHMANN also offers this flexibility for 19" panel installations. The standard Custom Modules facilitate optimal configuration for every media and network connection requirement. Here, socket/socket or screw-terminal connections also provide great simplicity of installation.

When it comes to electrical installations, BACHMANN Custom Modules are another outstanding addition. The small number of components makes the Custom Modules compatible with the current switch ranges of reputable manufacturers. Simple mounting and removal mean that all installations can be quickly adapted to changed requirements or brought up to the current state of the art.

## BENEFITS

- **Individual equipment options**
- **Interchangeable modules keep your equipment up to date**
- **Simple and flexible installation**



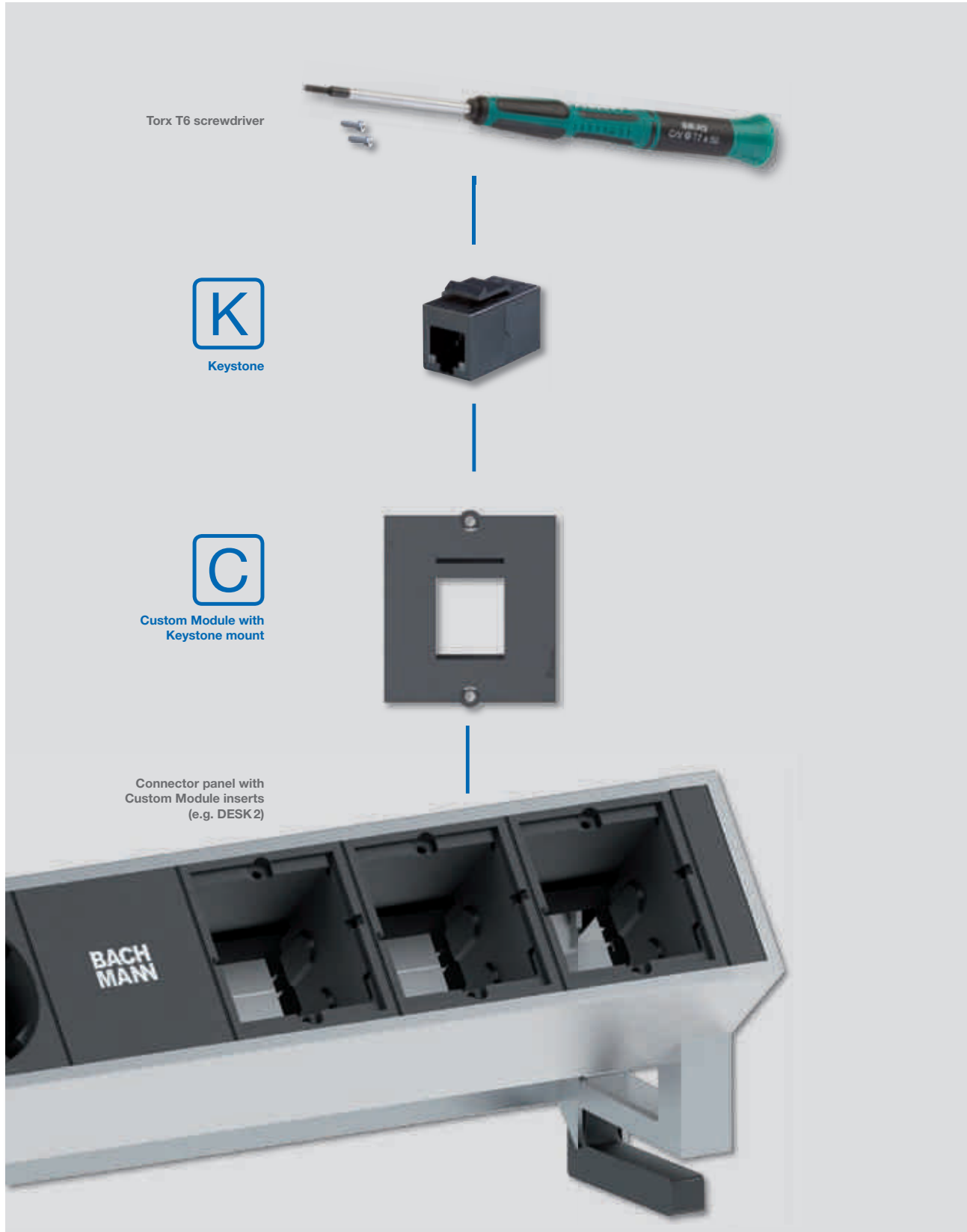
Data, video and audio connections **entirely according to your wishes.**

## Variant 1: Custom Module fully equipped



You will find 19" Custom Module panels 1.5 U art. no. 903.003 on page 33.


## Variant 2: Custom Module with Keystone mount

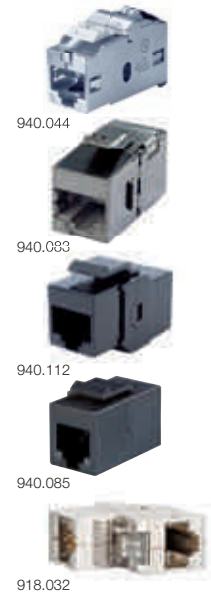


You will find 19" Custom Module panels 1.5 U art. no. 903.003 on page 33.


# Keystones

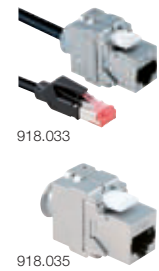
## Keystones socket/socket

#	
940.044	<b>CAT6 class E<sub>A</sub> coupling socket/socket</b>   For 10 Gbit Ethernet   Type: METZ CONNECT E-DAT   Front: RJ45 (Keystone fixing)   Back: RJ45 (E-DAT mounting)   Shielded
940.083	<b>CAT6 coupling socket/socket</b>   Front: RJ45 (Keystone fixing)   Back: RJ45 (Keystone fixing)   Shielded
940.112	<b>CAT6 coupling socket/socket</b>   Front: RJ45 (Keystone fixing)   Back: RJ45 (Keystone fixing)   Unshielded
940.085	<b>ISDN RJ12 socket/socket</b>   Front: RJ12 (Keystone fixing)   Back: RJ12 (Keystone fixing)   Unshielded
918.032	<b>CAT6 90° coupling socket/socket   90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Type: METZ CONNECT (E-DAT)   Front: RJ45 (Keystone fixing)   Back: RJ45 (E-DAT mounting)   Shielded




## Keystones socket/supply cable


#	
918.033	<b>CAT6a 10 GB patch cable plug/socket 3.0 m</b>   Front: Socket RJ45 CAT6a TKM 10 GB   Black cable with RJ45 plug   Shielded
918.034	<b>CAT6a 10 GB patch cable plug/socket 5.0 m</b>   Front: Socket RJ45 CAT6a TKM 10 GB   Black cable with RJ45 plug   Shielded
918.035	<b>CAT6a 10 GB socket TKM</b>   CAT6a connector socket TKM 10 GB   For self-connection   Without cable (designed for tool-free connection of data cable)   Shielded



## Keystones for media technology

#	
918.041	<b>1 x HDMI 2.0</b>   Front: HDMI socket   Back: HDMI socket without cable   Approx. 85 mm required mounting depth   Transmission possible up to a resolution of 3840x2160 px   Black
917.157	<b>1 x 3.5mm miniature jack</b>   Front: 3.5mm stereo miniature jack socket   Back: 3.5mm stereo miniature jack socket with approx. 0.2m cable   Requires approx. 65mm mounting depth   Black
917.214	<b>1 x Mini DisplayPort</b>   Front: Mini DisplayPort socket   Back: DisplayPort plug with approx. 0.5m cable   Requires approx. 85 mm mounting depth   Black




 See page 206 for suitable data cables.

 For suitable **Custom Modules with Keystone mount**, see page 185.

### USB 3.0 Keystones


- Requires approx. 85 mm mounting depth
- Black

#	
917.400	<b>USB 3.0 A/B USB</b>   Front: USB A socket   Back: USB B socket
917.401	<b>USB 3.0 B/A</b>   Front: USB B socket   Back: USB A socket
917.120	<b>USB 3.0 A/A (straight-through)</b>   Front: USB A socket   Back: USB A socket



### USB 3.1 Type C Keystone

- Requires approx. 50 mm mounting depth
- Black

#	
917.121	USB 3.1 Type C   Front: USB C socket   Back: USB C plug with approx. 0.5m cable



### Keystones OWG

- Keystone fixing

#	
918.071	OWG-LC duplex coupling
918.073	OWG-ST duplex coupling
918.045	TOSLINK optic fibre audio coupling
918.072	OWG-SC coupling



 For suitable **Custom Modules with Keystone mount**, see page 185.

i

**PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.



# Keystone mount

## Custom Modules with Keystone mount

#	
<b>2 x Keystone</b>	
917.000	Black module   With mount for 2 Keystones
917.158	White module   With mount for 2 Keystones
<b>1 x Keystone</b>	
917.001	Black module   With mount for 1 Keystone module
917.159	White module   With mount for 1 Keystone module
<b>2 x Keystone with metal holder</b>	
917.061	Black module   With mount for 2 Keystones   Keystone mount with metal holder on rear of cover for high mechanical stresses
<b>1 x Keystone with metal holder</b>	
917.062	Black module   With mount for 1 Keystone module   Keystone mount with metal holder on rear of cover for high mechanical stresses
<b>2x METZ CONNECT E-DAT module CAT6</b>	
917.038	Module with cut-out for 2x Keystone modules (not included)   Note: modules protrude beyond the frame
<b>1 x METZ CONNECT E-DAT module CAT6</b>	
917.006	Module with cut-out for 1 x Keystone module (not included)   Note: modules protrude beyond the frame
<b>1 x Systimax CAT6</b>	
917.003	Module with cut-out and mounting plate for 1 x Keystone module (not included)   Note: modules protrude beyond the frame
<b>1 x RDM CAT6</b>	
917.005	Module with cut-out and mounting plate for 1 x Keystone module (not included)   Note: modules protrude beyond the frame
<b>1 x Panduit CAT6</b>	
917.007	Black module with cut-out and mounting plate for 1 x Keystone module (not included)   Note: modules protrude beyond the frame
<b>2x Tera CAT7</b>	
917.039	Black module with cut-out for 2x Tera CAT7 (not included)   Note: modules protrude beyond the frame
<b>1 x Tera CAT7</b>	
917.008	Black module with cut-out for 1 x Tera CAT7 (not included)   Note: modules protrude beyond the frame



All Custom Modules are supplied with 2 x Torx T6 screws. See the glossary for detailed information on use/application.



For suitable **Keystones**, see from page 183.

## Compatibility of Keystone/Custom Module with Keystone mount

Manufacturer/product designation	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.007	917.005	917.008	917.039	917.153
<b>BACHMANN version</b>												
CAT6 class E <sub>A</sub> coupling, for 10 Gbit Ethernet, shielded; art. no.: 940.044	•	•	•	•								
CAT6 coupling, unshielded; art. no.: 940.112	•	•										
ISDN RJ12 socket, unshielded; art. no.: 940.085 (use of 2x 940.085 and 1x 940.085 and 1x 918.045 next to one another in a Custom Module with mount for 2 Keystones not possible)			•	•	•							
CAT6a 10 GB socket TKM, shielded, for connection by user; art. no.: 918.035	•	•	•	•								
CAT6a 10 GB socket TKM, shielded, with 3.0m cable and RJ45 plug; art. no.: 918.033	•	•	•	•								
CAT6a 10 GB socket TKM, shielded, with 5.0m cable and RJ45 plug; art. no.: 918.034	•	•	•	•								
Socket cover/blank cover Keystone, black; art. no.: 917.057	•	•	•	•								
OWG-LC duplex Keystone; art. no.: 918.071	•	•	•	•								
OWG-SC Keystone; art. no.: 918.072	•	•	•	•								
OWG-ST Keystone; art. no.: 918.073	•	•	•	•								
TOSLINK Keystone; art. no.: 918.045 (use of 2x 918.045 and 1x 918.045 and 1x 940.085 next to one another in a Custom Module with mount for 2 Keystones not possible)		•										
Keystone module USB 3.0 A/B USB; art. no.: 917.400	•	•	•	•								
Keystone module 1 x HDMI; art. no.: 918.041	•	•	•	•								
Keystone module 1 x 3.5mm miniature jack; art. no.: 917.157	•	•	•	•								
Keystone module USB 3.0 A/A (straight-through); art. no.: 917.120	•	•	•	•								
Keystone module USB 3.0 B/A; art. no.: 917.401	•	•	•	•								
Keystone module USB 3.1 Type C; art. no.: 917.121	•	•	•	•								
CAT6A coupling socket/socket; art. no.: 940.083	•	•	•	•								
Keystone module 1 x mini DisplayPort; art. no.: 917.214	•	•	•	•								
1-way button Keystone; art. no.: 917.194	•	•	•	•								
<b>Belden*</b>												
10GX Modular Jack KeyConnect; art. no.: AX102283	•	•	•	•								
10GX Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562	•	•	•	•								
10GX KeyConnect Shielded RJ45 Coupler; art. no.: AX104501	•	•	•	•								
CAT6+ Modular Jack KeyConnect; art. no.: AX101321	•	•										
CAT6+ KeyConnect RJ45 Coupler; art. no.: AX104215	•	•	•	•								
CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104596	•	•	•	•								
USB 3.0 Coupler, A to A; art. no.: AX105342-BK	•	•	•	•								
HDMI Coupler (Version 1.4); art. no.: AX105345-BK	•	•	•	•								
<b>BKS*</b>												
NewLine RJpro socket category 6A; art. no.: 408-5794.01/408-5790.01 with mounting clip 403-7540xx												•
NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx												•
<b>CobiNet*</b>												
RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , GHMT-PVP-certified, 10 gigabits; ISO art. no.: 6920 0052/P.1	•	•	•	•								
RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits; art. no.: 6920 0052.1	•	•	•	•								
RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabits; art. no.: 6920 1052.1	•	•	•	•								
RJ45 socket KS, shielded; cat. 6A, 10 gigabits; art. no.: 6920 4052.1	•	•	•	•								
RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1	•	•	•	•								
RJ45 socket KS, shielded; class E PL, 1 gigabit; art. no.: 6920 1022.1	•	•	•	•								
RJ45 socket KS, unshielded; cat. 6, tool-free connection, 1 gigabit; art. no.: 6920 0110	•	•										
RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 0112	•	•	•	•								
RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 0120	•	•										
RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122	•	•	•	•								
RJ45 coupling KS, shielded; class E <sub>A</sub> , 10 gigabits; art. no.: 6925 1052	•	•	•	•								
RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022	•	•	•	•								
<b>COMMSCOPE*</b>												
AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	•	•	•	•								
AMP-TWIST 6AS SL Jack; art. no.: PN 0-1711592-1	•	•										


Manufacturer/product designation	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.007	917.005	917.008	917.039	917.153
SL series 110Connect Jack CAT6; art. no.: 0-1375188-1/0-1375055-2	•	•										
USB A-A Coupler; art. no.: 0-1933659-2	•	•										
SYSTIMAX® GigaSPEED XL® MGS400 series/SYSTIMAX® GigaSPEED X10D® MGS600 series							•					
SYSTIMAX® GigaSPEED X10D® HGS620 (with M-series frame HGS-A-MS-xx)							•					
<b>Corning*</b>												
xs500 Keystone module, CAXXSM-00104-C001; art. no.: 712045	•	•										
S1200 module cat.7; art. no.: 196001										•	•	
<b>DAETWYLER*</b>												
RJ45 module KS-TS 1/8 toolless slimline cat.6/EA, shielded; art. no.: 418054	•	•	•	•								
RJ45 module KS-T 1/8 toolless cat.6/EA, shielded with dust protection cap; art. no.: 418060	•	•	•	•								
Module MS-C6A 1/8 cat.6A (IEC) 180°-K (Keystone); art. no.: 309249	•	•	•	•								
RJ45 module MS 1/8 cat. 6A, shielded; art. no.: 309170						•	•					
RJ45 module KS-T Plus 1/8 toolless cat.6 (IEC), shielded with dust protection cap; art. no.: 418061	•	•	•	•								
RJ45 module MS-K Plus C6A (IEC) TIA-A/B; art. no.: 440005	•	•	•	•								
RJ45 Keystone coupling, cat.6 link/class E, 180 degrees (straight); art. no.: 418056	•	•	•	•								
RJ45 module KU-T 1/8 toolless, cat. 6, unshielded; art. no.: 418070/418071	•	•	•	•								
Module PS-TERA 4P cat. 7A; art. no.: 1408502										•	•	
<b>3M*</b>												
RJ45 CAT6A HW STP; art. no.: OCK6A-SN8	•	•										
RJ45 CAT6A PL module; art. no.: OCK6A-SE8	•	•										
<b>EFB*</b>												
Cat. 6 RJ45 module STP, de-embedded; art. no.: E-20060	•	•	•	•								
Cat. 6 RJ45 module UTP, snap-in, with LSA strip; art. no.: E-20061	•	•	•	•								
Cat.6 modular adapter STP snap-in, art. no.: 37486.1	•	•	•	•								
RJ45 adapter snap-in socket/socket, shielded; art. no.: 37508.2	•	•	•	•								
INFRALAN® RJ45 keystone cat.6A; art. no.: E-20091	•	•	•	•								
INFRALAN® RJ45 keystone, cat.6A / class EA; art. no.: E-20070-IF	•	•	•	•								
Cat.6 RJ45 Keystone STP 250 MHz; art. no.: E-20072	•	•	•	•								
Cat.6A snap-in, socket/socket, shielded; art. no.: 37521.1V2	•	•	•	•								
HDMI snap-in adapter, black, type A socket/type A socket; art. no.: EB520V2	•	•	•	•								
USB3.0 snap-in adapter, black, A socket/A socket; art. no.: EB537	•	•	•	•								
Cat.6 RJ45 Keystone, UTP; art. no.: E-20080/E-20081	•	•	•	•								
INFRALAN® Slim cat.6A RJ45 Keystone; art. no.: E-20095	•	•	•	•								
Cat.6A/class EA RJ45 Keystone, angled; art. no.: E-20074	•	•	•	•								
<b>GIGAMEDIA*</b>												
Shielded CAT6 STP RJ45 female/female Keystone coupler; art. no.: GGM 6210270S00	•	•	•	•								
Unshielded CAT6 UTP RJ45 female/female Keystone coupler; art. no.: GGM 6210270U00	•	•										
Shielded 10G STP RJ45 female/female Keystone coupler; art. no.: GGM 6210210GS00	•	•	•	•								
CAT6A 10G Ed2.2 shielded toolless jack; art. no.: GGM PRJC6A10G	•	•	•	•								
CAT6 STP toolless, shielded Keystone jack; art. no.: GGM PRJC6STL	•	•	•	•								
CAT6 UTP IDC 180°, black Keystone jack; art. no.: GGM 621030200	•	•	•	•								
<b>LEONI Kerpen*</b>												
Variokeystone socket module 4K7 cat.7; art. no.: LKD 9A46 0061 0000						•	•					
Variokeystone socket module RJ45 cat.6A (ISO/IEC); art. no.: LKD 9A46 0128 0000						•	•					
MegaLine® Connect100 socket module RJ45 cat.6 <sub>A</sub> ; art. no.: LKD 9A90 2010 0000						•	•					
MegaLine® Connect100 socket module cat. 7 <sub>A</sub> ; art. no.: LKD 9A90 2030 0000/LKD 9A90 2020 0000						•	•					
MegaLine Connect45 socket module keystone cat. 6 <sub>A</sub> (ISO/IEC); art. no.: LKD 9A50 1010 0000/LKD 9A50 1020 0000	•	•	•	•								
MegaLine® Connect45 BM ISO/IEC angled cat. 6 <sub>A</sub> ; art. no.: LKD 9A50 1060 0000	•	•	•	•								
MegaLine® Connect45 BM UTP cat. 6; art. no.: LKD 9A50 1050 0000	•	•	•	•								

\* Name and product designation of the respective manufacturer


Manufacturer/product designation	917.000	917.001	917.061	917.062	917.038	917.006	917.003	917.007	917.005	917.008	917.039	917.153
<b>METZ CONNECT*</b>												
C6A module 180° jack; art. no.: 130B11-E					•	•						
UTP module 8(8) CAT6; art. no.: 130A10-29-I-B1	•	•	•	•								
E-DAT module cat.6A 8(8) socket; art. no.: 130910-I/130910-I-B1					•	•						
C6A module K 180° jack – Keystone; art. no.: 130B21-E	•	•	•	•								
E-DAT module cat.6A K jack – Keystone; art. no.: 130910K1	•	•	•	•								
UTP module 8(8) cat.6A Keystone; art. no.: 130A11-29K1	•	•	•	•								
C6 <sub>A</sub> module 270°; art. no.: 130 B12-E					•	•						
C6 <sub>A</sub> module 90°; art. no.: 130 B13-E					•	•						
C6 <sub>A</sub> module K 270°; art. no.: 130 B22-E	•	•	•	•								
C6 <sub>A</sub> module K 90°; art. no.: 130 B23-E	•	•	•	•								
<b>Nexans* (requires additional Keystone clip to fit)</b>												
LANmark-5 Evo Snap-In Connector Cat. 5e, unshielded, art. no.: N420.550, N420.551 – with Keystone clip N429.627	•	•	•	•								
LANmark-5 Evo Snap-In Connector Cat. 5e, screened, art. no.: N420.555, N420.556 – with Keystone clip N429.627	•	•										
LANmark-6 Evo Snap-In Connector Cat. 6, unshielded; art. no.: N420.660, N420.661 – with Keystone clip N429.627	•	•	•	•								
LANmark-6 Evo Snap-In Connector Cat. 6, screened; art. no.: N420.666, N420.667 – with Keystone clip N429.627	•	•										
LANmark-6 10G Evo Snap-In Connector Cat. 6, screened; art. no.: N420.666G, N420.667G – with Keystone clip N429.627	•	•										
LANmark-6A Evo Snap-In Connector Cat. 6A, screened; art. no.: N420.66A, N420.67A – with Keystone clip N429.627	•	•										
LANmark-7A GG45 12C Snap-In Connector Cat. 7A, screened; art. no.: N420.735, N420.736 – with Keystone clip N429.627	•	•										
<b>Panduit*</b>												
Mini-Com TX6 plus 28/30 AWG Jack Module; art. no.: CJT688TGBL								•				
NetKey Jack Modules CAT6/6A; art. no.: NK688MBL/NK6X88MBL	•	•										
<b>Reichle de Masari*</b>												
Cat.6 module RJ45 with mounting plate; art. no.: R302372/R302373/R313064									•			
Cat. 6 <sub>A</sub> module RJ45 Keystone; art. no.: R509509/R509508	•	•	•	•								
Cat. 6 <sub>A</sub> module RJ45 snap-in; art. no.: R509506/509502										•	•	
Connection module cat. 6 <sub>A</sub> EL, 1xRJ45/s; art. no.: R813504									•			
Connection module cat. 6 <sub>A</sub> , 1x RJ45; art. no.: R509500/R509504									•			
<b>RUTENBECK*</b>												
UM cat.6A iso A; art. no.: 139 003 04	•	•	•	•								
Cat.6 coupling; art. no.: 139 003 60	•	•	•	•								
KMK-HDMI rw; art. no.: 170 106 53	•	•	•	•								
KMK-USB rw; art. no.: 170 106 51	•	•	•	•								
<b>SETEC*</b>												
SeSix eXtra cat 6 <sub>A</sub> Keystone jack (X <sub>A</sub> KJ), shielded; art. no.: 501415/501414	•	•	•	•								
Keystone connector RJ45/RJ45, cat.6A, shielded; art. no.: 501492	•	•	•	•								
SeSix eXtra cat 6A Keystone jack (XAKJ) category 6A; RJ45; shielded; art. no.: 501415/501415 D	•	•	•	•								
<b>Telegärtner*</b>												
AMJ module K cat 6 <sub>A</sub> T568A/B; art. no.: J00029K0036/J00029A0077	•	•	•	•								
AMJ coupling K CAT6; art. no.: J00029A0061	•	•	•	•								
AMJ-S module 2G cat.6 <sub>A</sub> T568A/B; art. no.: J00029A3000/J00029A3001/J00029A2000/J00029A2001	•	•	•	•								
UMJ coupling K cat.6, f-f, art. no.: J00029A0064	•	•	•	•								
USB Keystone type A, USB 3.0; f-f; art. no.: J00029A0108	•	•	•	•								
<b>TKM*</b>												
RJ-MOD cat. 6/6A; art. no.: 4677682/4677682A	•	•	•	•								
RJ-MOD cat. 6, unshielded; art. no.: 4677691	•	•	•	•								

# Audio/image transmission

## Custom Module VGA, jack, HDMI

#	
917.226	Custom Module equipped with: Breakout cables approx. 0.2 m, socket-socket, for VGA   Audio (3.5mm stereo jack)   HDMI (Keystone clip)   Requires approx. 110mm mounting depth


## Custom Module 1 x VGA + miniature jack

#	
917.045	Front: Socket VGA and 3.5mm stereo miniature jack   Back: Socket VGA and 3.5mm stereo miniature jack with approx. 0.1 m cable   Requires approx. 70mm mounting depth   Black
917.071	Front: Socket VGA and 3.5mm stereo miniature jack   Back: 10-pole (RGBHV) and 3-pole (audio stereo) screw terminal   Requires approx. 50mm mounting depth   Black
917.073	Front: VGA socket and 3.5mm stereo miniature jack   Back: 5 x BNC socket with approx. 0.3m cable (RGBHV) and 3-pole (audio stereo) screw terminal   Requires approx. 50mm mounting depth   Black
917.150	Front: socket VGA and 3.5mm stereo miniature jack   Back: socket VGA and 3.5mm stereo miniature jack each with approx. 0.2m cable   Requires approx. 50mm mounting depth   Black
917.058	<b>90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Front: VGA socket and 3.5 mm stereo miniature jack   Back: VGA socket and 3.5 mm stereo miniature jack with approx. 0.2 m cable   Requires approx. 40 mm mounting depth   Black


## Custom Module 1 x VGA + miniature jack and button


#	
917.134	Front: socket VGA and 3.5mm stereo miniature jack + button, blue illuminated   Back: socket VGA and 3.5mm stereo miniature jack with approx. 0.1 m cable + RJ12 socket for button   Requires approx. 70mm mounting depth   Black

## Custom Module 1 x VGA


#	
917.011	Front: socket VGA   Back: socket VGA   Requires approx. 70mm mounting depth   Black
917.069	Front: socket VGA   Back: 10-pole (RGBHV) screw terminal   Requires approx. 50mm mounting depth   Black
917.070	Front: socket VGA   Back: 5 x BNC socket with approx. 0.3m cable (RGBHV)   Requires approx. 65mm mounting depth
917.072	Front: plug VGA   Back: 10-pole (RGBHV) screw terminal   Requires approx. 50mm mounting depth   Black



 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.


 **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

### Custom Module 1 x DVI-I

#	
917.078	Front: DVI-I socket   Back: DVI-I socket with approx. 0.2m cable   Requires approx. 75 mm mounting depth   Black




### Custom Module 1 x HDMI

#	
917.143	Black   Front: HDMI socket   Back: 2 x 9-pole (HDMI) screw terminal   Requires approx. 40 mm mounting depth
917.183	White   Front: HDMI socket   Back: 2 x 9-pole (HDMI) screw terminal   Requires approx. 40 mm mounting depth
917.146	<b>90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Black   Front: HDMI socket   Back: HDMI socket   Requires approx. 35 mm mounting depth




### Custom Module 1 x HDMI + miniature jack

#	
917.189	<b>90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Front: HDMI socket and 3.5 mm stereo miniature jack   Back: HDMI socket and 3.5 mm stereo miniature jack with approx. 0.2 m cable   Requires approx. 65 mm mounting depth   Black




### Custom Module 1 x DisplayPort


#	
917.145	Front: DisplayPort socket   Back: DisplayPort socket, without cable   Requires approx. 70 mm mounting depth   Black




### Custom Module 1 x Cinch video + 2 x Cinch audio stereo

#	
917.026	Black   Front: Cinch video (yellow) + 2 x Cinch audio stereo (red + white) socket   Back: Cinch video + 2 x Cinch audio stereo socket without cable
917.085	Black   Front: Cinch video (yellow) + 2 x Cinch audio stereo (red + white) socket   Back: 2-pole (video) + 3-pole (audio stereo) screw terminal   Requires approx. 50 mm mounting depth



 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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### Custom Module 1 x BNC video + 2 x Cinch audio stereo

#	
917.027	Front: BNC video (yellow) + 2 x Cinch audio stereo (red + white) socket   Back: BNC video + 2 x Cinch audio stereo socket without cable   Black



917.027

### Custom Module 1 x S-video + 2 x Cinch audio stereo

#	
917.028	Black   Front: S-video + 2 x Cinch audio stereo (red + white) socket   Back: S-video socket + 2 x Cinch audio stereo socket without cable



917.028

### Custom Module 1 x S-video + 1 x Cinch video

#	
917.035	Front: S-video + Cinch video (yellow) socket   Back: S-video + Cinch video socket without cable   Black
917.083	Front: S-video + Cinch video (yellow) socket   Back: 4-pole (S-video) screw terminal + approx. 0.3m cable with 2 x BNC   Requires approx. 30mm mounting depth   Black



917.035



917.083

### Custom Module 1 x Cinch video RGB

#	
917.088	Front: Cinch video RGB socket (red/green/blue)   Back: 6-pole screw terminal   Requires approx. 30mm mounting depth   Black
917.090	Front: Cinch video RGB socket (red/green/blue)   Back: Cinch video RGB socket (red/green/blue)   Requires approx. 65mm mounting depth   Black



917.088



917.090

### Custom Module 1 x SAT/TV/radio

#	
917.030	Front: F-plug connector (SAT) and 2 x COAX (TV + radio)   Back: F-plug connector (SAT) and 2 x COAX (TV + radio)   Requires approx. 50mm mounting depth   Black



917.030

### Custom Module 1 x TV/radio

#	
917.117	Front: 2 x COAX (TV + radio)   Back: 2 x COAX (TV + radio)   Requires approx. 50mm mounting depth   Black




917.117

**i** All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

**i** **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

### Custom Module 1 x Cinch audio stereo

· Front: Cinch audio stereo socket (red + white)

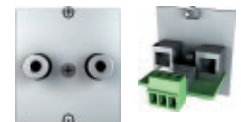
#	
917.022	Black   Back: Cinch audio stereo (red + white) socket without cable   Requires approx. 55 mm mounting depth
917.089	Black   Back: 3-pole (audio stereo) screw terminal   Requires approx. 35 mm mounting depth
917.163	White   Back: 3-pole (audio stereo) screw terminal   Requires approx. 35 mm mounting depth



917.022




917.089



917.163

### Custom Module 1 x 3.5 mm miniature jack

· Front: 3.5 mm audio stereo miniature jack socket

#	
917.023	Black   Back: Cinch audio stereo (red + white) socket   Requires approx. 65 mm mounting depth
917.091	Black   Back: 3-pole (audio stereo) screw terminal   Requires approx. 35 mm mounting depth
917.164	White   Back: 3-pole (audio stereo) screw terminal   Requires approx. 35 mm mounting depth



917.023




917.091



917.164

### Custom Module 1 x 6.3 mm audio stereo jack

#	
917.036	Front: 6.3 mm audio stereo jack socket   Back: 6.3 mm audio stereo jack socket with approx. 0.1 m cable   Requires approx. 65 mm mounting depth   Black




917.036



917.024

### Custom Module 1 x XLR 3-pole microphone

#	
917.024	Front: XLR 3-pole microphone socket   Back: XLR 3-pole plug with approx. 0.1 m cable   Requires approx. 65 mm mounting depth   Black




917.096



917.165

### Custom Module 1 x XLR socket

· Front: XLR socket  
 · Back: screw terminal  
 · Requires approx. 40 mm mounting depth


#	
917.096	<b>3-pole</b>   Black
917.165	<b>3-pole</b>   White
917.099	<b>4-pole</b>   Black
917.101	<b>5-pole</b>   Black



917.099



917.101

 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

 **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.



### Custom Module 1 x XLR plug

- Front: XLR plug
- Back: Screw terminal
- Requires approx. 40 mm mounting depth

#	
917.095	<b>3-pole</b>   Black
917.100	<b>5-pole</b>   Black



917.095



917.100

### Custom Module Combo series 1 x XLR 3-pole socket + 1 x 6.3 mm jack socket

#	
917.094	Front: XLR 3-pole socket + 6.3mm audio stereo jack socket   Back: 1 x 4-pole + 1 x 3-pole screw terminal   Requires approx. 40mm mounting depth   Black



917.094

### Custom Module 1 x loudspeaker connection

- Black

#	
917.102	<b>2-pole + 6.3mm stereo jack</b>   Front: Speakon 2-pole socket + 6.3mm audio mono jack   Back: 2-pole screw terminal   Requires approx. 50mm mounting depth
917.110	<b>4-pole</b>   Front: Speakon 4-pole socket   Back: 4-pole screw terminal   Requires approx. 40mm mounting depth



917.102



917.110

### Custom Module for Rextron HDBaseT

- Cable lengths 1 m

#	
903.204	<b>VGA analogue</b>   Custom Module VGA, miniature jack and button   1 x VGA 15-pole socket/plug   1 x 3.5mm miniature jack socket/plug   1 x button, blue illuminated, with RJ11 plug
903.205	<b>HDMI digital</b>   Custom Module HDMI and button   1 x HDMI socket/plug   1 x button, blue illuminated, with RJ11 plug
903.206	<b>DisplayPort digital</b>   Custom Module DisplayPort, button   1 x DisplayPort socket/plug   1 x button, blue illuminated, with RJ11 plug




903.204




903.205




903.206

 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

 **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

# Data transmission


## Custom Modules data transmission

#	
917.141	<b>2x USB 2.0 A/A</b>   Black   Front: 2x USB A socket   Back: 2x 4-pole screw terminal   Requires approx. 40mm mounting depth
917.182	<b>2x USB 2.0 A/A</b>   White   Front: 2x USB A socket   Back: 2x 4-pole screw terminal   Requires approx. 40mm mounting depth
917.018	<b>1x USB 2.0 A/B</b>   Black   Front: USB A socket   Back: USB B socket   Requires approx. 85mm mounting depth
917.019	<b>1x USB 2.0 B/A</b>   Black   Front: USB B socket   Back: USB A socket   Requires approx. 85mm mounting depth
917.037	<b>1x FireWire</b>   Black   Front: 6-pole FireWire socket   Back: 6-pole FireWire socket   Requires approx. 85mm mounting depth
917.122	<b>1x USB 3.0 A/A   90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Black   Front: USB A socket   Back: USB A socket   Requires approx. 40 mm mounting depth
917.059	<b>2x USB 3.0 A/A   90° outlet on side</b> , only compatible with power strips with lateral 90° outlet   Black   Front: 2 x USB A socket   Back: 2 x USB A socket   Requires approx. 40 mm mounting depth




# Power transmission

## Custom Module USB charger


#	
<b>USB double charger 5V   2.4A</b>	
917.224	Input voltage: 100-250V~/50-60 Hz   Output: 5V DC/max. 2.4A   Front: 2x USB A socket   Back: GST18i3 plug with approx. 0.2m cable




## Custom Module Power Con

#	
<b>Blue (power input)</b>	
917.112	Front: Power Con socket, blue   Back: Screw connection, including 2 crimp sleeves and cover cap   Black   Requires approx. 40mm mounting depth
<b>Grey (power output)</b>	
917.113	Front: Power Con socket, grey   Back: Screw connection, including 2 crimp sleeves and cover cap   Black   Requires approx. 40 mm mounting depth




 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.


 **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.


# Buttons/switches

## Custom Modules buttons/switches

#	
917.046	<b>Stainless steel button</b>   Black   Front: Stainless steel button   Switching capacity: 50 mA/24 V/DC   Back: 2-pole terminal pins   Requires approx. 30 mm mounting depth
917.047	<b>Stainless steel button, blue illuminated</b>   Black   Front: Stainless steel button, blue illuminated (ring illuminated)   Switching capacity: 50 mA/24 V/DC   Back: 4-pole terminal pin   Requires approx. 30 mm mounting depth
917.060	<b>Automatic switch-off button</b>   Black   Front: Black button   Back: Plug connector GST15i2 with approx. 1.0 m cable (suitable for power strips)   With automatic switch-off e.g. STEP automatic switch-off 906.005   Requires approx. 40 mm mounting depth
917.135	<b>Switch (to control external devices)</b>   Black   Front: 2-pole green rocker switch   Back: approx. 1.0 m H05VV-F 4 x 1.50 mm <sup>2</sup> cable with ferrules (labelled)   Requires approx. 60 mm mounting depth
917.193	<b>4-key keypad</b>   Black   4-way universal pushbutton module   For connecting to all controller programmable buttons, blue illuminated   Incl. various inserts with pictograms   With RS232 interface   Art. no. 903.111 (media converter controller) required to connect RS232 interface
917.056	<b>4-key keypad for KNX application</b>   Black   Front: 4 buttons, white, blue illuminated   Programmable on KNX installations; with integrated bus coupler   Voltage supply: 30V DC system voltage via bus plug-in terminal   Back: 2-pole bus plug-in terminal   Requires approx. 35 mm mounting depth
917.195	<b>4-key keypad</b>   Front: 4 potential-free buttons, white, blue illuminated   Feedback LED with adjustable voltage   Back: plug-in terminal
917.198	<b>4-key keypad</b>   Front: 4 potential-free buttons, white, blue illuminated   Back: 4 x RJ11 socket



 All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

 **PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

# Control

## Custom Modules control

#	
917.076	<b>RS232 plug</b>   Black   Front: RS232 sub-D 9-pole plug   Back: 9-pole screw terminal   Requires approx. 40mm mounting depth
917.075	<b>RS232 socket</b>   Black   Front: RS232 sub-D 9-pole socket   Back: 9-pole screw terminal   Requires approx. 40mm mounting depth
917.012	<b>RS232 socket</b>   Black   Front: RS232 sub-D 9-pole socket   Back: RS232 sub-D 9-pole socket   Requires approx. 70mm mounting depth
917.116	<b>RS232 crossover socket</b>   Black   Front: RS232 sub-D 9-pole socket   Back: RS232 sub-D 9-pole crossover plug (crossed)   Requires approx. 70mm mounting depth
917.031	<b>PS2 mouse + keyboard</b>   Black   Front: 2 x MiniDIN 6-pole socket (mouse – mint green; keyboard – purple)   Back: 2 x MiniDIN 6-pole socket (mouse – mint green; keyboard – purple)   Requires approx. 50mm mounting depth



# Cable glands

## Custom Module 1 x cable gland

#	
917.032	<b>Up to diameter 11 mm</b>   Module with drill hole and 2-part cable gland for cables up to diameter 11 mm
917.033	<b>Up to diameter 22 mm</b>   1 x 2-part cable gland, ideal for routing cables up to diameter 22 mm   Ideal for VGA cables



## Custom Module 3 x cable gland


#	
917.082	<b>2x up to diameter 9 mm   1x up to diameter 14 mm</b>   Module with notch for routing cables






















All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.


**PLEASE NOTE:** only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

**Compatibility of Custom Modules/Keystones with products with lids**

	PIX with lid (#926.XXX)	KAPSA with lid (#927.XXX)	POWER FRAME COVER (#915.XXX)	DUE with lid (#929.XXX)
903.204 Custom Module VGA analogue				
903.205 Custom Module HDMI digital				
903.206 Custom Module DisplayPort digital				
917.009 Custom Module blank cover	•	•	•	•
917.010 Custom Module blank cover with screw dome	•	•	•	•
917.011 Custom Module 1 x VGA				
917.012 Custom Module 1 x RS232 socket			•	
917.018 Custom Module 1 x USB 2.0 A/B		•	•	
917.019 Custom Module 1 x USB 2.0 B/A		•	•	
917.022 Custom Module 1 x Cinch audio stereo				
917.023 Custom Module 1 x 3.5 mm miniature jack			•	
917.024 Custom Module 1 x XLR 3-pole microphone			•	
917.026 Custom Module 1 x Cinch video + 2 x Cinch audio stereo				
917.027 Custom Module 1 x BNC video + 2 x Cinch audio stereo				
917.028 Custom Module 1 x S-video + 2 x Cinch audio stereo				
917.030 Custom Module 1 x SAT/TV/radio				
917.031 Custom Module PS2 mouse + keyboard				
917.032 Custom Module 1 x cable gland for cables with diameter up to 11 mm				
917.033 Custom Module 1 x cable gland for cables with diameter up to 22 mm				
917.035 Custom Module 1 x S-video + 1 x Cinch video				
917.036 Custom Module 1 x 6.3mm audio stereo jack				
917.037 Custom Module 1 x FireWire		•	•	
917.045 Custom Module 1 x VGA + miniature jack			•	
917.046 Custom Module with stainless steel button				
917.047 Custom Module with stainless steel button, blue illuminated				
917.056 Custom Module with 4-key keypad for KNX application	•	•	•	•
917.057 Keystone socket cover 	•	•	•	•
917.060 Custom Module with automatic switch-off button				
917.069 Custom Module 1 x VGA			•	
917.070 Custom Module 1 x VGA			•	
917.071 Custom Module 1 x VGA + miniature jack			•	
917.072 Custom Module 1 x VGA			•	
917.073 Custom Module 1 x VGA + miniature jack			•	
917.075 Custom Module RS232 socket			•	
917.076 Custom Module RS232 plug			•	
917.078 Custom Module 1 x DVI-I			•	
917.082 Custom Module cable gland				
917.083 Custom Module 1 x S-video + Cinch video				
917.085 Custom Module 1 x Cinch video + 2 x Cinch audio stereo				
917.088 Custom Module 1 x Cinch video RGB				
917.089 Custom Module 1 x Cinch audio stereo				
917.090 Custom Module 1 x Cinch video RGB				
917.091 Custom Module 1 x 3.5 mm miniature jack			•	
917.094 Custom Module Combo series 1 x XLR 3-pole socket + 1 x 6.3mm jack socket				
917.095 Custom Module 1 x XLR 3-pole plug		•	•	
917.096 Custom Module 1 x XLR 3-pole socket			•	
917.099 Custom Module 1 x XLR 4-pole socket			•	

	PIX with lid (#926.XXX)	KAPSA with lid (#927.XXX)	POWER FRAME COVER (#915.XXX)	DUE with lid (#929.XXX)
917.100 Custom Module 1 x XLR 5-pole plug		•	•	
917.101 Custom Module 1 x XLR 5-pole socket			•	
917.102 Custom Module 1 x 2-pole loudspeaker connection + 6.3mm stereo jack				
917.110 Custom Module 1 x 4-pole loudspeaker connection		•	•	
917.112 Custom Module Power Con blue (power input)		•	•	
917.113 Custom Module Power Con grey (power output)		•	•	
917.116 Custom Module 1 x RS232 crossover socket			•	
917.117 Custom Module 1 x TV/radio				
917.120 Keystone module USB 3.0 A/A 	•	•	•	•
917.121 Keystone Module USB 3.1 Type C 	•	•	•	•
917.134 Custom Module 1 x VGA + miniature jack and button				
917.135 Custom Module Switch				
917.141 Custom Module 2x USB 2.0 A/A	•	•	•	•
917.143 Custom Module 1 x HDMI	•	•	•	•
917.145 Custom Module 1 x DisplayPort	•	•	•	•
917.150 Custom Module 1 x VGA + miniature jack			•	
917.157 Keystone module 1 x 3.5 mm miniature jack 			•	
917.183 Custom Module 1 x HDMI	•	•	•	•
917.193 Custom Module 4-key keypad	•	•	•	•
917.195 Custom Module 4-key keypad	•	•	•	•
917.198 Custom Module 4-key keypad	•	•	•	•
917.214 Keystone module 1 x mini DisplayPort 	•	•	•	•
917.224 Custom Module USB charger	•	•	•	•
917.226 Custom Module VGA, jack, HDMI			•	
917.400 Keystone module USB 3.0 A/B 		•	•	
917.401 Keystone module USB 3.0 B/A 	•	•	•	•
918.033 CAT6a 10 GB patch cable plug/socket 3.0m 	•	•	•	•
918.034 CAT6a 10 GB patch cable plug/socket 5.0m 	•	•	•	•
918.035 CAT6a 10 GB TKM socket 	•	•	•	•
918.041 Keystone module 1 x HDMI 	•	•	•	•
918.045 TOSLINK Keystone module 	•	•	•	•
918.071 OWG-LC duplex Keystone module 			•	
918.072 OWG-SC Keystone module 			•	
918.073 OWG-ST duplex Keystone module 			•	
940.044 Keystone module CAT6 coupling 	•	•	•	•
940.057 Keystone module CAT5e coupling 	•	•	•	•
940.083 Keystone module CAT6 coupling 	•	•	•	•
940.085 ISDN RJ12 Keystone module 	•	•	•	•
940.112 Keystone module CAT6 coupling 	•	•	•	•



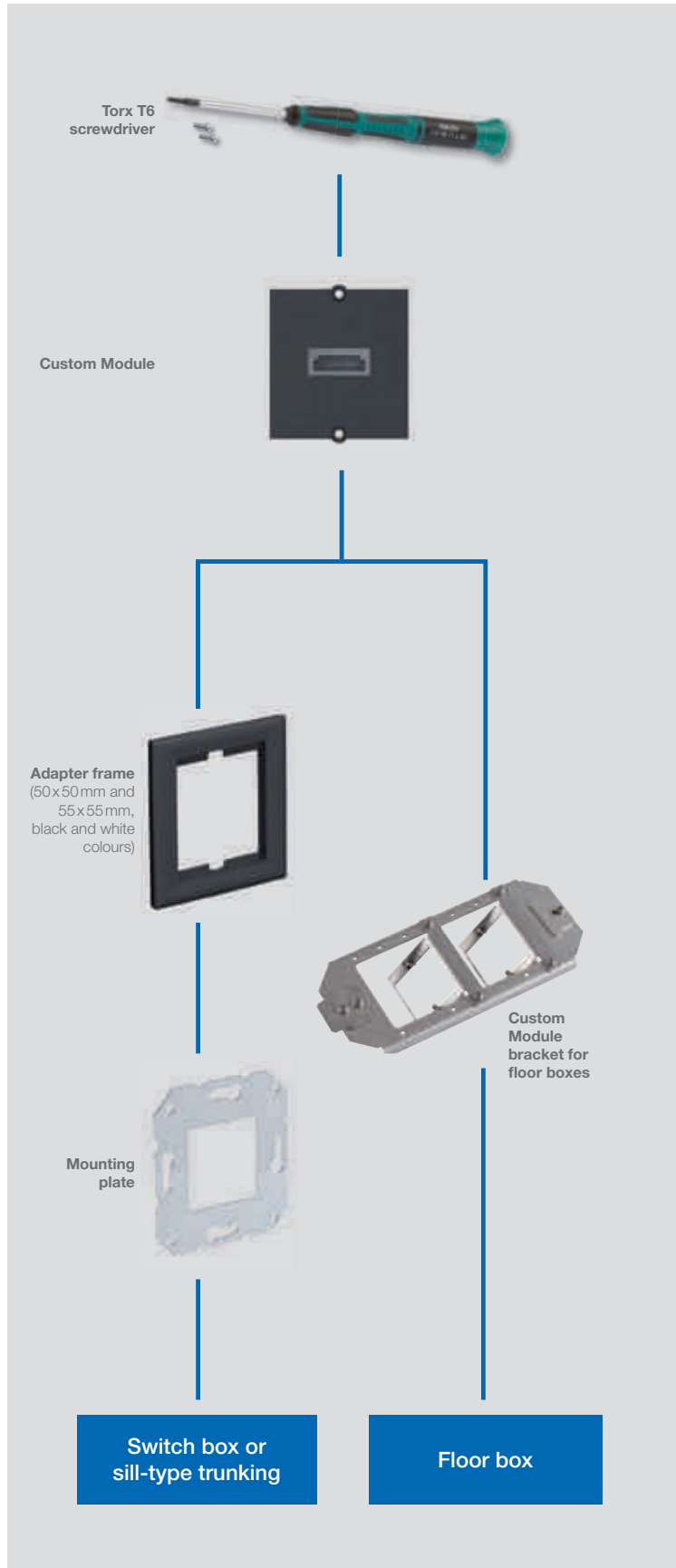
A suitable Keystone mount is required for the use of Keystone modules  (see page 185).  
Keystone mount 917.061/917.062 is not compatible with PIX/DUE.

# Installation options switch manufacturers


The addition of a few extra components opens up entirely 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 all current switch ranges of reputable manufacturers. The connections to the rear can be made either as socket/socket or via screw terminals. No complicated soldering or cabling is required. A compatibility list of Custom Modules for the switch ranges of various manufacturers can be found from page 193 onwards.

BACHMANN Custom Modules can even be fitted into conventional floor boxes. The Custom Module bracket for floor-box systems allows the Custom Modules to be fitted directly. There is thus no need for a mounting plate or adapter frame. The BACHMANN Custom Module bracket is suitable for floor boxes of various manufacturers. Please observe the mounting depth required by the Custom Modules.




**Mounting plate Custom Modules for switch range** | Stainless steel

#	
917.064	Suitable for conventional device boxes for flush mounting, cavity and device boxes for trunking   Incl. 2x Torx M2 screws   For trunking, an additional mounting box is required (see manufacturer's range)



917.064

**Adapter frame for switch range** | Plastic

#	
917.065	External dimensions: 50x50 mm   Black, similar to RAL9005   Fits into conventional switch ranges (50 x 50 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201 onwards
917.168	External dimensions: 50x50 mm   White, similar to RAL9010   Fits into conventional switch ranges (50 x 50 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201 onwards
917.066	External dimensions: 55x55 mm   Black, similar to RAL 9005   Fits into conventional switch ranges (55 x 55 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201
917.169	External dimensions: 55x55 mm   White, similar to RAL9010   Fits into conventional switch ranges (55 x 55 mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201 onwards



917.065



917.068



917.066



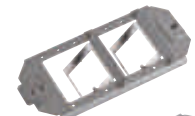
917.169

**Custom Module bracket for floor boxes**

#	
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**Steel sheet | 2x Custom Modules**

917.068	For fitting in OBO Bettermann device case/floor-box systems   With mount for 2 Custom Modules (transverse mounting)   Incl. Torx M2 screws   Steel sheet cannot be combined with VGA and DVI Custom Modules
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917.068

**Steel sheet | 3x Custom Modules**

917.067	For fitting in OBO Bettermann device case/floor-box systems   With mount for 3 Custom Modules (transverse mounting)   Incl. Torx M2 screws   Steel sheet cannot be combined with VGA and DVI Custom Modules
---------	---



917.067

**Plastic, black | 2x Custom Modules**

917.139	Mounting for Electraplan floor boxes   With mount for 2 Custom Modules (transverse mounting)   Incl. Torx M2 screws for Custom Modules
---------	--



917.139

**Plastic, black | 3x Custom Module**

917.140	Mounting for Electraplan floor boxes   With mount for 3 Custom Modules (transverse mounting)   Incl. Torx M2 screws for Custom Modules
---------	--



917.140



Manufacturer/switch range	BACHMANN Adapter frame n** Colour black	BACHMANN Adapter frame** Colour white	+ Adapter manufacturer number
<b>Berker</b>			
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	11087104
Arsys	917.065	917.168	11080101 11089104 11089111 11080169 11080102
Module 2	917.065	917.168	114309 114302
<b>Busch-Jaeger</b>			
carat®	917.065	917.168	1746/10-81 1746/10-82 1746/10-84
pure stainless steel	917.065	917.168	1746/10-866
impulse	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
<b>EGB</b>			
Elegant Standard	917.065	917.168	143090045
<b>Schneider Electric (ELSO)</b>			
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 2831611
CLASSIC	917.065	917.168	303110 303111
<b>Gira</b>			
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	0289202
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
<b>Jäger</b>			
Opus	917.065	917.168	560.050.02
<b>Jung</b>			
AS 500	917.066	917.169	–
AS Universal	917.066	917.169	–
A 500	917.066	917.169	–
A plus	917.066	917.169	–

\*\* Also order the appropriate BACHMANN adapter frame for installation in the switch range.

Manufacturer/switch range	BACHMANN Adapter frame n** Colour black	BACHMANN Adapter frame** Colour white	+ Adapter manufacturer number
<b>Jung</b>			
A creation	917.066	917.169	–
MCB 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
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 LS961ZSW
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
<b>Merten</b>			
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
<b>PEHA</b>			
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
<b>Presto-Vedder</b>			
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
<b>Siemens</b>			
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

# Accessories

## Keystone blank cover

#	
917.057	<b>Socket cover</b>   Socket cover, clips into an empty Keystone socket   Can be used as a placeholder for sockets inserted later



917.057

## Custom Module blank cover

- Blank cover as placeholder or for you to mount your own plug connectors
- Material: Plastic | Material thickness: 1.8 mm

#	
917.009	<b>Black</b>
917.010	<b>Black   With screw dome</b>   Screw dome on rear side of module for fixing, e.g. of boards or blank holders
917.167	<b>White   With screw dome</b>   Screw dome on rear side of module for fixing, e.g. of boards or blank holders



917.009



917.010



917.167

## Custom Module CABLE RETRACTOR

#	
917.299	For the integration of cable retractor modules in TOP FRAME, POWER FRAME and PIX with Custom Module   Suitable for AMX ® retractor models: HDMI 4K, DisplayPort, Mini DisplayPort, VAG with audio jack, USB 3.0, RJ45 Ethernet cat.6



917.299

## Torx T6 screws for Custom Modules

#	
917.041	<b>Black</b>   Designed for 10 screwing cycles   Contents: 10 items
917.111	<b>Stainless steel   In mounting plate</b>   Designed for 10 screwing cycles   Contents: 10 items   M2 screws for stainless steel mounting plate (917.064)



917.041




917.111

## Torx T6 screwdriver

#	
917.040	Torx T6 screwdriver suitable for Custom Module screws   Black



917.040

 See the glossary for detailed information on use/application.

# Rextron HDBaseT

The plug-and-play solution for meeting points and meeting rooms

Share information from up to 4 devices (laptops) at the touch of a button. The buttons are already integrated into the relevant Custom Modules. The signals from the changeover switch to the display or projector are either transferred via HDBaseT or as original HDMI signals.



## BENEFITS

- **Zero-loss transmission of image and sound signals via CAT cable up to 70 metres**
- **Simple cabling**
- **Plug & Play**
- **No programming needed**
- **Resolution up to UHD (4K) possible**
- **Compatible with HDBaseT-capable displays and projectors**

NETWORK AND MEDIA TECHNOLOGY

### Rextron HDBaseT transmitter

- Output: HDMI + HDBaseT via RJ45
- Max. 70 metre cable length

#	
903.211	<b>With 3 inputs</b>   Input: 2 x HDMI, 1 x VGA + audio   Consisting of Rextron transmitter + Bachmann control box
903.212	<b>With 4 inputs</b>   Input: 2 x HDMI, 1 x VGA + audio, 1 x DisplayPort   Consisting of Rextron transmitter + Bachmann control box



903.211

### Rextron HDBaseT receiver

#	
903.201	Input: HDBaseT via RJ45   Output: HDMI, HDCP compatible



903.201

### Mounting accessories

#	
903.203	Mounting bracket for Rextron HDBaseT transmitter   2 units



903.203

For suitable **audio/video cables**, see from page 208.

For suitable **Custom Modules**, see page 193.



# Patch cable

## Patch cables

#	
<b>CAT6a patch cable plug/plug</b>   CAT7 cable, shielded   Conforms to IEC 61156-6   Ends 1 and 2: RJ45 Hirose TM12 CAT6a plug with protective rubber sleeve and unlocking tongue   Suitable for e.g. 940.044	
918.006	1.0m   Black
918.007	3.0m   Black
918.008	5.0m   Black
<b>CAT6 patch cable plug/plug</b>   CAT6 cable, shielded   Conforms to ISO/IEC 11801 and EN 50173   Ends 1 and 2: RJ45 plug with protective rubber sleeve and protective tongue for interlock   Suitable for e.g. 940.044	
940.040	3.0m   Grey
940.041	5.0m   Grey
<b>CAT5e patch cable plug/plug</b>   CAT5e cable, shielded   Conforms to ISO/IEC 11801 and EN 50173   Ends 1 and 2: RJ45 plug with protective rubber sleeve and protective tongue for interlock   Suitable for e.g. 940.057	
918.003	1.0m   Grey
940.052	3.0m   Grey
940.053	5.0m   Grey
<b>RJ12 patch cable plug/plug</b>   RJ12 cable, shielded   Conforms to ISO/IEC 11801 and EN 50173   Ends 1 and 2: RJ12 plug with protective rubber sleeve   Suitable for e.g. 940.085	
940.089	3.0m   Black



918.034



918.006



940.040



918.003



940.089

# USB cable

## USB 3.0 connection cable

#	
<b>USB 3.0 A/A connection cable   Straight-through (not for host-to-host connection)</b>   Ends 1 and 2: plug A   Can be used with Custom Modules with USB A socket   Fully wired	
918.176	1.0m   Black   Grey plug
918.178	2.0m   Black   Grey plug
918.177	3.0m   Black   Grey plug
<b>USB 3.0 A/A connecting cable   Crossed (for host-to-host connection)</b>   Ends 1 and 2: plug A   Can be used with Custom Modules with USB A socket   Fully wired	
918.081	1.0m   Black   Black plug
918.083	1.8m   Black   Black plug
918.082	3.0m   Black   Black plug
<b>USB 3.0 A/B connecting cable</b>   End 1: plug A   End 2: plug B   Fully wired	
917.1205	1.0m   Black   Black plug
917.1203	3.0m   Black   Black plug



918.176



918.081



917.1205

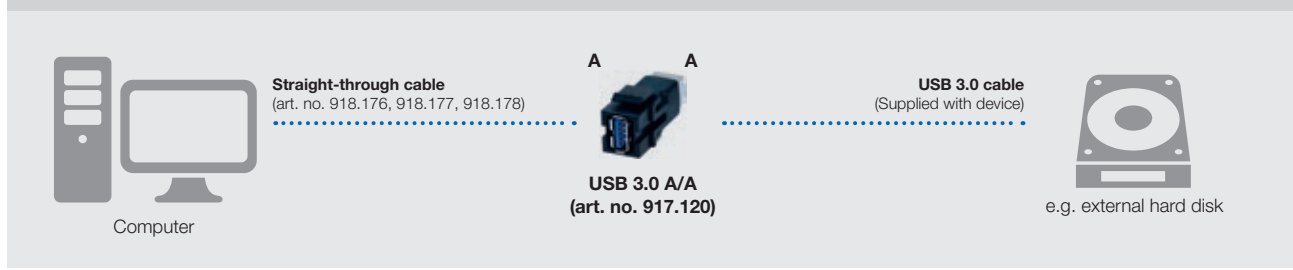
 For suitable **Keystones and Keystone mounts**, see from page 183.

### USB 3.1 Type C connection cable

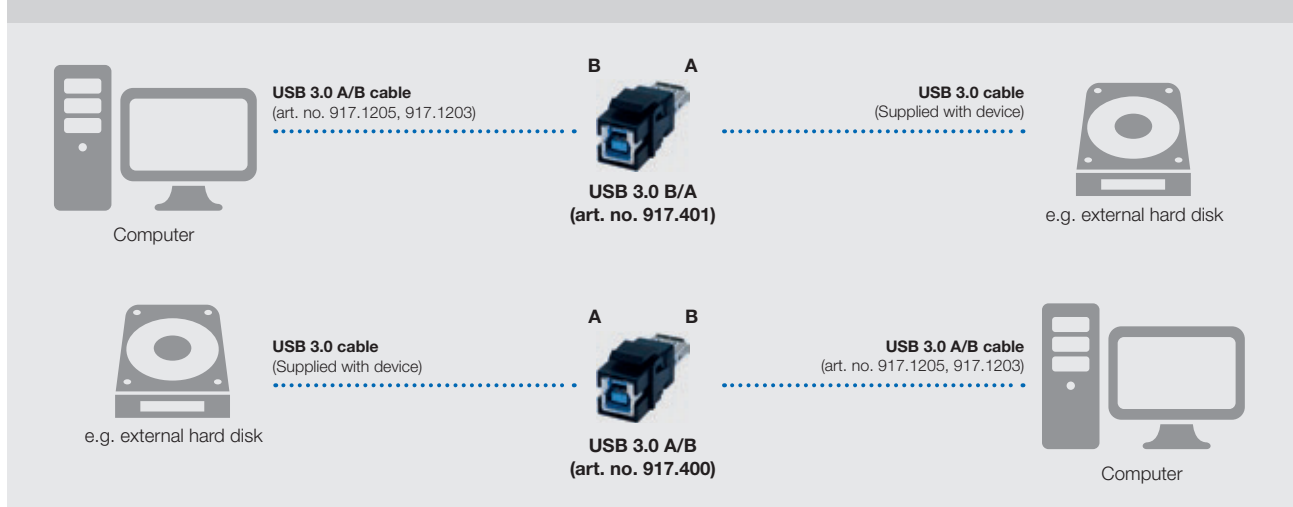
#	
<b>USB 3.1 connecting cable</b>   End 1: USB Type C plug   End 2: USB Type C plug	
918.190	0.5m   Black   Black plug



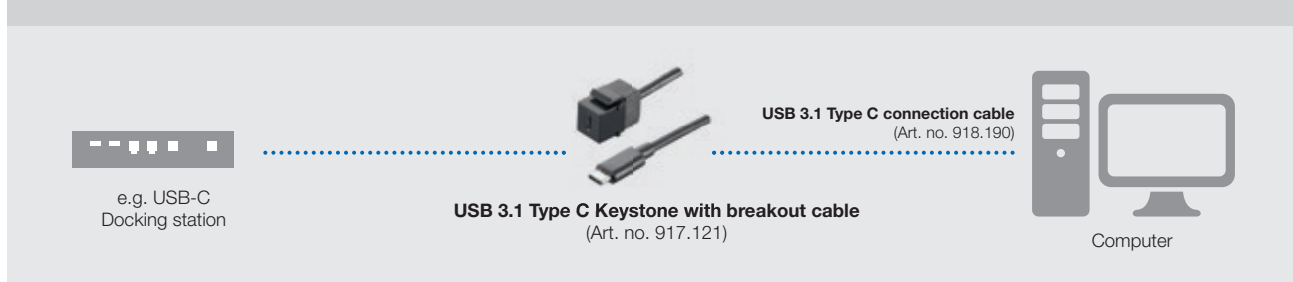
### Connection with A/A Keystone module for USB 3.0 connection



### Connection with A/B or B/A Keystone module for USB 3.0 connection



### Connection with USB 3.1 Type C Keystone Module



**K** For suitable **Keystones**, see from page 183.

# HDMI cable

## HDMI connection cable

- Digital transmission of image and audio signals
- Can be used with Custom Modules with HDMI socket/socket (e.g. 918.041)

#	
<b>HDMI 2.0 cable   Long distance   Solid metal</b>   HDMI standard 3840x2160px (Ultra HD)   Ends 1 and 2: 19-pole HDMI plug	
918.0201	7.5m   Black
<b>HDMI 2.0 cable</b>     HDMI standard 3840x2160px (ultra HD)   Ends 1 and 2: 19-pole HDMI plug	
918.0191	1.0m   Black
918.0192	3.0m   Black
918.0193	5.0m   Black
<b>HDMI 1.3 cable</b>   HDMI standard 1920x1080px (Full HD)   Ends 1 and 2: 19-pole HDMI plug	
918.019	3.0m   Black
918.020	5.0m   Black



918.0191

# DisplayPort cable

## DisplayPort digital cabling

- DisplayPort connection cable
- 3840 x 2160 px (ultra HD)
- Can be used with Custom Modules with DisplayPort socket/socket (e.g. 917.145)
- Ends 1 and 2: 20-pole DisplayPort plug

#	
918.0951	1.0m   Black
918.0952	3.0m   Black
918.0953	5.0m   Black



918.0951



For cable lengths, we recommend a max. length of 7.5 m to ensure the HDMI-standard quality (ultra HD).



For suitable **Custom Modules**, see from page 180.



# DVI-I cable

## DVI-I connection cable

- Digital transmission of image signals
- Compatible with DVI-A and DVI-D plug connectors
- Can be used with Custom Modules with DVI-I socket/socket (e.g. 917.078)

#	
<b>Ends 1 and 2: 1 x DVI plug</b>	
918.017	3.0m   Black
918.018	5.0m   Black



918.017

# VGA cable

## 15-pole VGA HD extension cable

#	
<b>1 x VGA</b>   To connect from: connector panel to laptop, connector panel to signal booster, signal booster to monitor/TV (optional)   Ends 1 and 2: 1 x VGA plug 15 HD	
918.009	1.0m   Black
940.047	3.0m   Black
940.048	5.0m   Black



918.009

## High-quality combination cable

#	
<b>1 x VGA   1 x miniature jack   1 x control signal</b>   High flexibility   Ends 1 and 2: 1 x VGA plug 15 HD; 1 x miniature jack plug 3.5mm; 1 x RJ12   Plug with metal housing and shielding   Additional ferrite cores are not needed   Can be used with custom modules with VGA   + miniature jack socket/socket and button (e.g. 917.134)	
903.107	1.0m   Black
903.108	3.0m   Black
903.109	5.0m   Black
903.110	10.0m   Black
<b>1 x VGA   1 x miniature jack</b>   To connect from: connector panel to laptop, connector panel to signal booster, signal booster to monitor/TV (optional)   Ends 1 and 2: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm   Plug with metal housing and shielding	
940.176	1.0m   Black
918.067	3.0m   Black
918.068	5.0m   Black
918.069	10.0m   Black



903.110




918.069

# Audio cable

## 3.5 mm miniature jack connection cable

- Transmission of audio signals
- Can be used with Custom Modules with socket/socket miniature jack (e.g. 917.045/917.157)


#	
<b>Ends 1 and 2: 3.5mm stereo miniature jack plug</b>	
918.010	1.5m   Black
918.011	2.5m   Black
918.012	5.0m   Black



# Cinch cable

## Cinch video + audio stereo connection cable

- Transmission of analogue image and audio signals
- Can be used with Custom Modules with Cinch socket/socket (e.g. 917.026)

#	
<b>Ends 1 and 2: Cinch plug (red + white + yellow)</b>	
918.015	3.0m   Black
918.016	5.0m   Black



918.015

## S-video (Hosiden) connection cable

- Transmission of analogue image signals
- Can be used with Custom Modules with S-video socket/socket (e.g. 917.028/917.035)

#	
<b>Ends 1 and 2: S-video plug</b>	
940.104	3.0m   Black
940.105	5.0m   Black



940.104



For suitable **Custom Modules**, see from page 180.

# Independent Systems





## **Independent Monitor**

---

Independent Monitor:

Innovation meets presentation 214

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Configuration options 218



# Independent Monitor

Whether in presentations, video conferences or on websites: the act of sharing visual content with colleagues, customers and partners is key to the world of work today.

The Independent Monitor from BACHMANN offers a new, flexible approach to team work: the battery pack means the monitor can be used wherever it is needed, irrespective of rigid infrastructure such as sockets, network connections or cabled devices. It is easy to operate and, thanks to a battery life of 6 to 8 hours, can be used to present information wirelessly for an entire working day.

The integrated status display on the battery pack always provides an overview of the remaining operating time for the Independent Monitor. Batteries can be fully charged at night to enable reliable, efficient use during the day. A high-resolution display and integrated loudspeakers present audio and video content at a high quality.

## BENEFITS

- **Plug & Play**
- **Can be placed anywhere in the room**
- **Long battery life**
- **Upgradeable with various technical components**
- **Electric height adjustment**



**VESA hole distance:** max. 400 x 400 mm  
**Display sizes:** up to 58"  
**Max. display weight:** 38 kg

Colour variants: 




INDEPENDENT SYSTEMS



Refer to page 216 for suitable **application components**.

# Application components

## Battery pack

#	
700.0000	<b>Battery pack LI1000</b>   Portable battery pack, battery capacity 950 Wh, battery voltage 20-29 VDC   Plastic in black, similar to RAL9005
700.0100	<b>Charger NOVA-150SR</b>   Charger for battery pack LI series   Blue/black



700.0000



700.0100

## Media caddy


- Mobile with base plate
- Prepared for DC displays up to 58" with monitor box and docking station including electric height adjustment
- Powder-coated steel sheet
- VESA hole distance 100x100 mm, 100x200 mm, 200x100 mm, 200x200 mm, 300x200 mm, 300x300 mm, 400x300 mm, 400x400 mm

#	
700.3000	Black, similar to RAL9005
700.3001	White, similar to RAL9010



700.3000

## Display

#	
700.4000	<b>SWEDX SDS58K8-01 Monitor</b>   Professional 58" LED display   Aspect ratio 16:9   Resolution Ultra HD 3840x2160   Brightness: 350 cd/m²
700.4001	<b>Sony Bravia FW-49BZ35F Monitor</b>   Professional 49" LED display   Aspect ratio 16:9   Resolution Ultra HD 3840x2160   Brightness 505 cd/m²



700.4000



## Media equipment

#	
903.700	<b>Barco Clickshare CS-100</b>   WiFi presentation system
903.800	<b>Bright Sign LS423</b>   Digital Signage Player



## Accessories

#	
---	--

### Media caddy accessories

700.9000	Storage shelf   Steel sheet in black similar to RAL9005
700.9001	Storage shelf   Steel sheet in white, similar to RAL9010



### Media equipment accessories

903.710	Barco Clickshare extra button   USB dongle
903.711	Barco Clickshare tray
903.712	Barco Clickshare bundle   2 buttons   1 tray
903.810	Bright Sign WiFi antenna
149.0000	Connecting cable for SWEDX SDS58K8-01 monitor
149.0001	Connecting cable Barco ClickShare CS-100
149.0003	Connecting cable for Sony Bravia FW-49BZ35F monitor
918.200	HDMI 2.0 cable   1.0m   black



INDEPENDENT SYSTEMS



**Basic configuration** for the system integrator.

Display



Media caddy



Battery pack



# Configuration options

Do you want to configure your Independent Monitor to suit your requirements and use it in various situations? BACHMANN offers many options to fulfil your wishes.

## Configuration options

Application components	Basic configuration for the system integrator	For the meeting room	For the point of sale
<b>Battery pack</b>			
700.0000 battery pack LI1000	•	•	•
700.0100 charger NOVA-150SR	•	•	•
<b>Media caddy</b>			
700.3000 Black, similar to RAL 9005	•	•	•
700.3001 White, similar to RAL 9010	•	•	•
<b>Display</b>			
700.4000 SWEDX SDS58K8-01 monitor	•	•	•
700.4001 Sony Bravia FW-49BZ35F monitor	•	•	•
<b>Media equipment*</b>			
903.700 Barco ClickShare CS-100		•	
903.800 Bright Sign LS423			•
<b>Accessories*</b>			
700.9000 Storage shelf   Black, similar to RAL9005		•	
700.9001 Storage shelf   White, similar to RAL9010		•	
903.710 Barco Clickshare extra button		•	
903.711 Barco Clickshare tray		•	
903.712 Barco Clickshare bundle		•	
903.810 Bright Sign WiFi antenna			•
149.0000 Connecting cable for SWEDX SDS58K8-01 monitor	•	•	•
149.0001 Connecting cable for Barco ClickShare CS-100		•	
149.0003 Connecting cable for Sony Bravia FW-49BZ35F monitor	•	•	•
918.200HDMI 2.0 cable		•	•



**Basic configuration for the system integrator**

The basic equipment necessary for using the Independent Monitor includes the battery pack, the media caddy and display. Further media equipment and accessories can be added to these.

**For the meeting room**

Show presentations and information or use the monitor as a blackboard in meeting rooms, canteens or open-plan offices.



**For point of sale**

Used directly at the point of sale, the Independent Monitor plays back media content via a central control at various locations.

**Independent, wireless and mobile:**

With the battery pack and thus wireless, the Independent Monitor can be used flexibly wherever it is needed.

More information on areas of application and customised equipment options can be found in the brochure and at [www.bachmann.com](http://www.bachmann.com).

Download at [www.bachmann.com/downloads](http://www.bachmann.com/downloads)



# Lamps





## **Mobile**

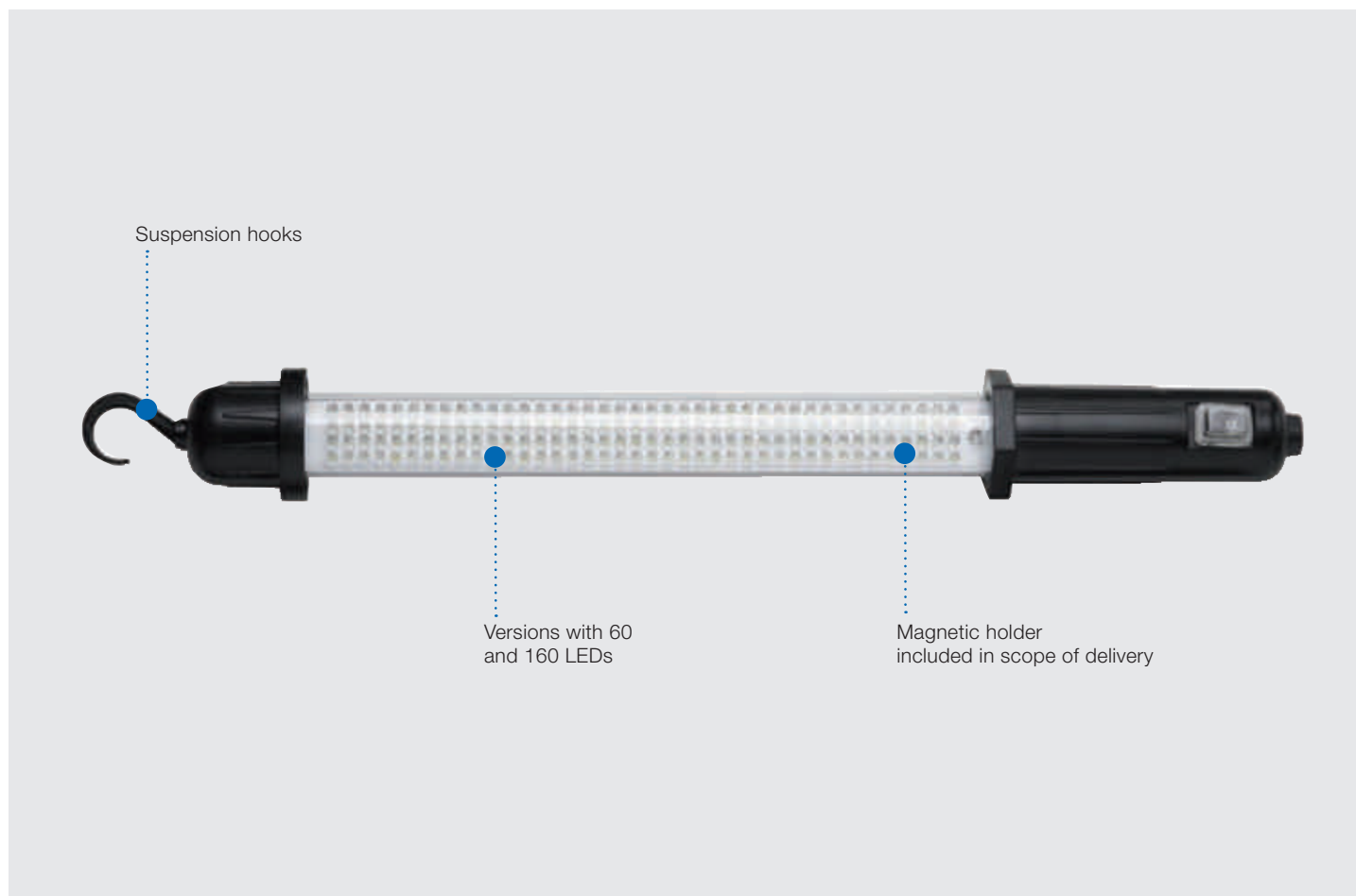
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## **Stationary**

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# Stick lamps/handheld lamps

## BENEFITS

- **Very long service life**
- **Flexible use**
- **Including suspension hooks**
- **Sturdy handle**
- **Shock-resistant**
- **Minimal heat generation**

### Battery-powered LED handheld lamp

- Magnetic holder
- Plastic
- 230V~ mains adapter
- Automotive charging device  
With switch
- Individually packed in blister packaging
- Diameter 6 cm

#	
394.188	60 LEDs, 3.6W   With 1 magnetic holder   Length: 42 cm
394.190	160 LEDs, 9.6W   With 2 magnetic holders   Length: 53.5 cm




394.188



394.190

### Stick lamp

- 8 W fluorescent lamp
- Not changeable, with integrated reflector
- Electronic ballast unit built into the handle, 50Hz
- Plastic version with shock resistant protection tube and rotary hook
- 5.0m H05RN-F 2 x 0.75 mm<sup>2</sup> supply cable with 2.5A Euro plug
- IP20, including light bulb

#	
394.184	Black   Diameter 1.5 cm   Length without hook: 46.5 cm



394.184

### Professional stick lamp with energy saving lamp

- 11 W / 250V~, IP54
- Interchangeable, anti-glare, pleasant light
- Oil-resistant rubber version with shock-resistant protection tube
- Integrated reflector and robust suspension hooks
- 5.0m H05RN-F 2 x 1.00 mm<sup>2</sup> rubber cable with contour plug
- Splash-proof and dust-proof design
- Including light bulb (Dulux S 11 watts)

#	
720.006	Black   Protection class II   Dual-insulated   Length: 40 cm



720.006

### Rubber handheld lamp

- E27 holder, max 100 W / 250 V~
- Interchangeable, with protective glass
- Oil-resistant rubber design
- Metal basket with integrated hook, light bulbs not included
- Length: 27 cm

#	
394.183	<b>5.0m H05RN-F 2 x 1.0 mm<sup>2</sup> supply cable with plug</b>   IP44   Protection class II   Dual-insulated   Black
394.187	<b>Without cable</b>   IP40   Black
910.1011	<b>Replacement glass</b>   Protective glass



394.183




# Professional work lamps

## BENEFITS

- **For use on construction sites**
- **Splash-proof and dust-proof versions**
- **Infinitely adjustable support bracket for positioning**
- **Tripod mounting possible**



### LED spotlight Magnum Future

#	
720.035	2 x socket outlets with earthing contact on the back side   5 m H07RN-F 3x 1.5 mm <sup>2</sup>   SMD LED   32 W / 250 V-   IP44



### Professional tripod

- Robust tripod construction | Zinc-plated | With mounting plate, fixing screws and handy cable rewind point
- Height adjustable up to 2.50 m
- Weight: 6 kg
- Suitable for 720.020, 720.021, 720.022 and 720.035

#	
730.004	Silver



### Mobile halogen lamp


- 2 m cable: H05VV-F3G 1.00 mm<sup>2</sup> with plug
- 400 W R7S halogen bulb included
- Aluminium die-cast housing with cooling fins
- Continuously adjustable frame in black with carrying handle

#	
720.013	Black   400 W   IP44



### Mobile halogen lamp with tripod


- 2 m cable: H05RN-F3G 1.00 mm<sup>2</sup> with plug
- 400 W R7S halogen bulb included
- Aluminium die-cast housing with cooling fins
- Stand with aluminium die-cast articulation | Height adjustable up to 2 m
- With practical cable rewind
- For use outside

#	
722.009	Stand colour yellow   Load 5-7 kg   400 W   IP44



### Battery-powered LED spotlight

- With Li-ion battery and magnets
- Light colour 4000K
- A+ energy efficiency class
- With mains adapter 230 V
- IP54

#	
720.039	<b>10W Samsung LED chip</b> Approx. 680 lumens   Li-ion battery: 7.4V / 4400mAh
720.038	<b>20W Samsung LED chip</b> Approx. 1500 lumens   Li-ion battery: 7.4V / 8800mAh



# LED spotlights

## Chip LED spotlight

- Die-cast aluminium housing
- Swivelling and lockable reflector with safety glass
- Low energy consumption | Energy efficiency class: A+
- For continuous outdoor use
- Practical hanging, positioning and fixing options
- Light colour 4000K | Radiation angle 120°
- 230 V / 16 A / 50-60 Hz

#	
---	---

### With motion detector | Without supply cable | IP44

720.044	10 W Samsung LED chip   Approx. 850 lumens   Cable entry max. 3G 1.5 mm <sup>2</sup>   Detection range approx. 8 m   Adjustable from 10 s to 8 min
720.041	20 W Samsung LED chip   Approx. 1700 lumens   PG screw connection for cables up to max. 3G 1.5 mm <sup>2</sup>   Detection range approx. 8 m   Adjustable from 10 s to 8 min
720.040	50 W Samsung LED chip   Approx. 4250 lumens   PG screw connection for cables up to max. 3G 1.5 mm <sup>2</sup>   Detection range approx. 8 m / Adjustable from 10 s to 8 min

### Without motion detector | With rubber hose line | IP65

720.046	10 W Samsung LED chip with ground spike   Approx. 850 lumens   1.5 m H05RN-F 3G 1.0 mm <sup>2</sup>
720.043	20 W Samsung LED chip   Approx. 1700 lumens   2 m H05RN-F 3G 1.0 mm <sup>2</sup> with earthing safety plug
720.042	50 W Samsung LED chip   Approx. 4250 lumens   2 m H05RN-F 3G 1.0 mm <sup>2</sup> with earthing safety plug
720.0362	80 W Samsung LED chip   Approx. 6800 lumens   2 m H05RN-F 3G 1.5 mm <sup>2</sup> with earthing safety plug
720.047	120 W Samsung LED chip   Approx. 10200 lumens   2 m H05RN-F 3G 1.5 mm <sup>2</sup> with earthing safety plug

### Without motion detector | With rubber hose line | IP44

720.048	50 W Samsung LED chip with ergonomic plastic handle   Approx. 4250 lumens   3 m H05RN-F 3G 1.5 mm <sup>2</sup> with 2 earthing safety plugs and hinged lid
---------	--

### Without motion detector | Without supply cable | IP65

720.045	10 W Samsung LED chip   Approx. 850 lumens   Cable entry module max. 3G 1.5
---------	---



720.044



720.041



720.040



720.046



720.043



720.042



720.0362



720.047



720.048




720.045

LAMPS

# Illumination material

## Light chain


- With plug and end piece
- External dimensions approx. 5.30 x 13.30 mm
- Including rubber plug and end piece with hook
- Without light bulb

#	
740.005	<b>10m cable</b> With 10 E 27 lamp holders   Green
740.006	<b>20m cable</b> With 20 E 27 lamp holders   Green



740.005

## Lamp holders

#	
<b>E 27 illumination lamp holder</b>   For outdoor use   Heat- and weather-resistant thermoplastic	
740.000	Max. 40W   Protection class II/IP44   Up to 165 °C without sealing ring   Splash-proof when used with sealing ring (740.001/740.012) – please order separately
<b>Illumination lamp holder with mounting base</b>   Black   For fixing to firm surfaces   Only use outside with rubber seal   Sealing ring (740.001/740.012) – please order separately	
740.010	E 14   Fixing screw spacing: 40mm
740.011	E 27   Fixing screw spacing: 46mm



740.000



740.011

## 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
740.012	E 14   Black




740.001



740.015

## Accessories for illumination light chains

#	
740.015	<b>Connecting box</b> Black   For flat cables H05RN H2-F, 5.0 x 13.0mm <sup>2</sup>
740.017	<b>Solid rubber right-angled plug</b> Black   IP44   For flat cables   With snap latch   With surface clamps   Assembled with two screws at front
740.002	<b>Flat cable plug for illumination cable 16 A / 250 V-</b> Black   DIN 49406   For H05RN H2-F2x 1.5 mm <sup>2</sup> cables, solid rubber version   Without earthing contact   With snap latch
740.003	<b>Flat coupling for illumination cable</b> Black   DIN 0282   With hinged lid and mounting   Without earthing contact   For contour plugs only
740.004	<b>End piece for illumination cable</b> Black   DIN 0282   With mounting hook   Provides a secure end to cables



740.017



740.002



740.003



740.004

# Accessories

## E 27 holder with earth spike

- Plastic housing with seal, splash-proof
- Lamp holder can be swivelled
- For use only with PAR38 80 W light bulb (not included)

#	
720.000	Black   IP44   2.0m cable: H05RN-F 2 x 1.00 mm <sup>2</sup> with contour plug



## Lamp holder, pre-wired

- 60 W plastic E 27 holder
- 0.2m H03VV-F 2x0.75 mm<sup>2</sup>
- 250V~ | 4 A | T180

#	
---	--

### With 2-pole screw terminal


641.1701	Black
641.2701	White

### With plug-in terminal

641.1711	Black
641.2711	White




### Light bulb adapter

#	
730.005	<b>Converts E 27 fitting to E 14</b> External thread: E 27   Internal thread: E 14   Thread: brass   Insulation: plastic
730.008	<b>Converts E 40 fitting to E 27</b> External thread: E 40   Internal thread: E 27   Thread: brass   Insulation: porcelain



### Porcelain terminal

#	
<b>For wire cross sections up to 2.50mm<sup>2</sup></b>   Without wire protection, heat-resistant up to 300°C / temperature of low-volt range	
950.000	1-pole   Dimensions: 17x9.5x12 mm   Hole diameter approx. 3.1 mm
950.002	2-pole with central mounting hole   Dimensions: 21 x 18x 16 mm   Hole diameter approx. 4.3 mm
950.003	3-pole with central mounting hole   Dimensions: 33x 19x 16 mm   Hole diameter approx. 4.3 mm
<b>For wire cross sections up to 4 mm<sup>2</sup></b>	
950.004	2-pole with central mounting hole   Dimensions: 24x22x22 mm   Hole diameter approx. 5.0 mm



### Outdoor twilight switch IP44 series 8813 | 97 x 65 x 43 mm


- 230V~ | 50Hz
- 16A ohmic load, 8A inductive load
- The twilight switch can optionally be set for 1-9 hours or just from dusk to dawn
- Switch-on threshold 10 lux | Switch-off threshold over 15 lux
- Operating temperature: -40 °C to +40 °C
- Cable: 15 and 18cm H05RN-F

#	
924.193	Black   With timer   IP44



### Twilight switch DS-A, series 8812 | 34 x 23 x 16 mm

- 230V~ | 50/60Hz | +/- 10%
- Max. load 100VA at Tu = -20°C to +35°C
- Load current max. 430mA
- Switch-on threshold approx. 5-10 lux | Switch-off threshold approx. 30-40 lux
- Cast housing
- For ohmic, inductive and capacitive loads
- Opening angle of 30 degrees
- 1 item on blister card

#	
924.171	White   With external sensor   Length 250mm



**Pulse starter, series 8600**

- Instant ignition (rapid starter)
- For fluorescent lamps, reduces the costs of maintenance and replacement of fluorescent
- Protects the environment
- 10-year warranty, -30 °C to +75 °C

#	
924.167	EFS 120/110-250V   4-22W
924.168	EFS 600/200-260V   4-125W



924.168

**Silicone housing, MAXI series 1000**

- For halogen cold light mirror lamps 6U 5.3, Ø 51 mm, 12V~, maximum 35 W
- Do not use Cool Beam light bulbs
- Triple-insulated | Light bulbs not included

#	
---	---

**With cable and ceramic lamp holder**

924.224	Transparent
924.225	White



924.224

**With cable and ceramic lamp holder | Loose | Supplied in bags of 50**

924.332	White
---------	-------

**Without cable and ceramic lamp holder | Loose | Supplied in bags of 50**

924.334	White
---------	-------

**Decorative rings, series 1002**

- For MAXI series 1000 silicone housing
- Dimensions: inner 5 cm, outer 8 cm

#	
924.250	Matt brushed stainless steel



924.250

**Silicone recessed spotlight housing, MAXI series 1000 GU10**

- MAXI silicone recessed spotlight housing for high-voltage halogen and LED light bulbs with GU10 lamp base
- Diameter: 51 mm | 230V~ | Max. 35W or GU10 V LED lamp up to 5W

#	
924.350	White
924.352	Transparent
924.355	Grey (similar to RAL7016)



924.350

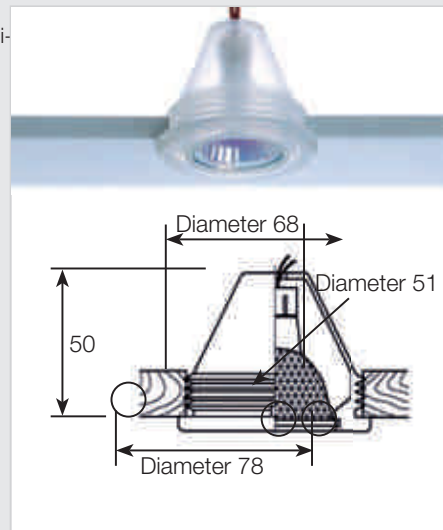
## MAXI silicone housing for low-voltage recessed halogen spotlights

The MAXI silicone housing consists of a high-tech, high temperature-resistant elastomer with exceptional material properties that will suit a wide range of applications:

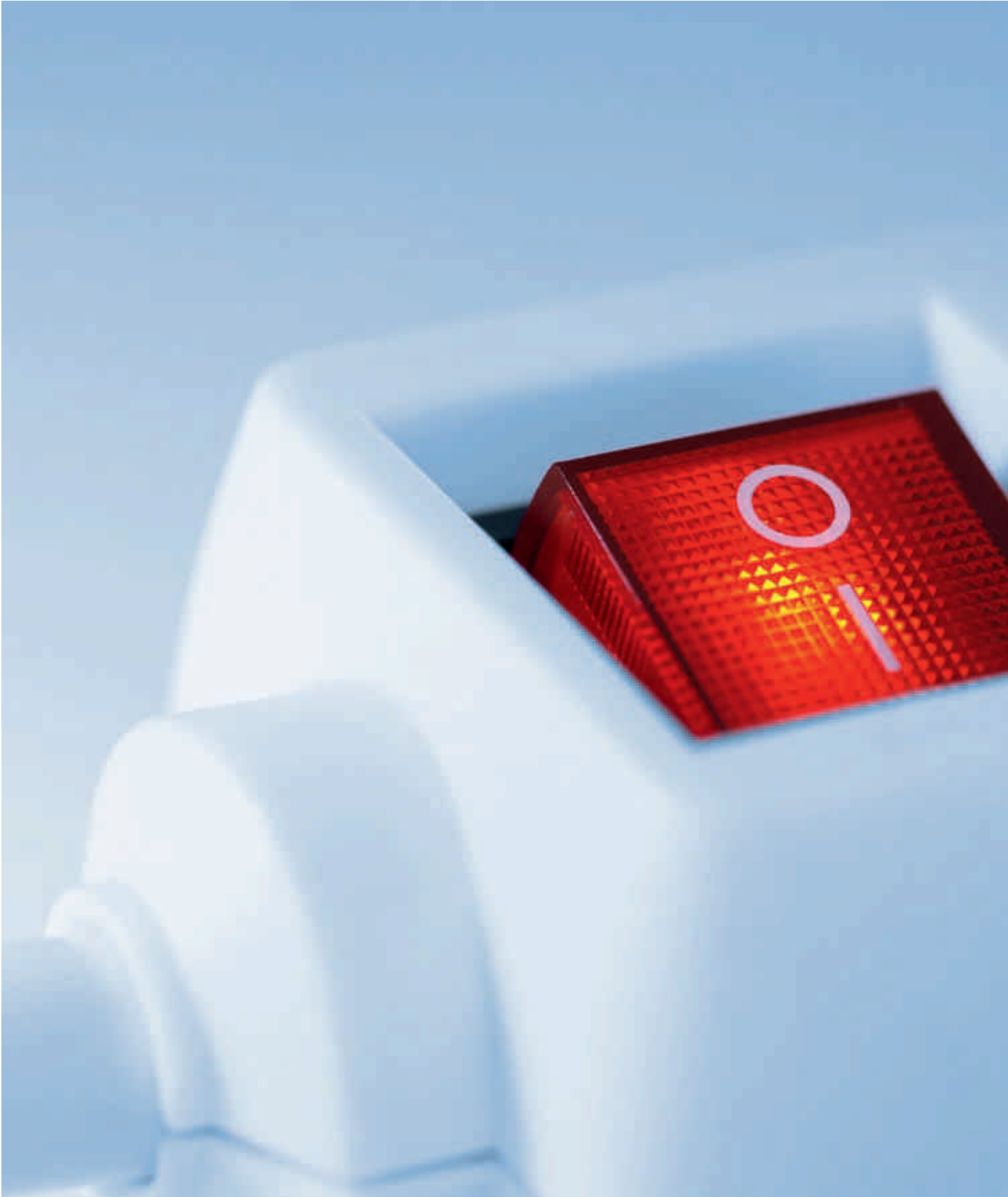
- Totally rust-free
- Resistant to UV, ozone and ageing
- Heat- and cold-resistant
- Excellent resistance to weather and maritime environments
- Quick and easy to assemble and dismantle
- No fitting of individual components
- Bulb changes without tools
- No troublesome metal rings
- Can also be used for shops and exhibition stands (to match décor!)
- Quick mounting technology
- Mounting without springs

### Can be fitted in:

- Solid material of various thicknesses
- Fragile materials such as plasterboard, fibreboard, fixing plates, etc.



# Electrotechnical accessories







## **Inter BÄR**

**inter**  **BÄR**

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# Dimmers

## LED dimmer for external buttons, series 8122

- 250V~ | 50Hz | 4-160 W/VA | LED 3-55 W
- For dimmable LED lamps, high-voltage halogen lamps and light bulbs
- Phase-control dimmer with soft-start and memory function
- Totally silent dimming!
- On/Off/Dimming using external button

#	
924.083	Black



924.083

## LED-Line pushbutton dimmer, series 8124

- 250V~ | 50Hz | 5-150 W/VA | LED 3-55 W
- For dimmable LED lamps, high-voltage halogen lamps, light bulbs, dimmable LED filament lamps
- On/Off/Dimming using a pushbutton
- Soft-start and memory function
- With orientation light
- Flicker-free dimming thanks to individual lamp adjustment
- For connecting textile cables and cables with a diameter of max. 7.5 mm
- Works in complete silence
- For hand and foot operation

#	
924.0166	Black
924.0167	White



924.0166



924.0167

## LED-Line pushbutton dimmer, series 8119 | 81 x 32 x 23 mm

- With soft-start and memory function
- 250V~ (+/- 10%), 50Hz, 5-100 W/VA, LED 3-35 W
- For dimmable LED lamps, high-voltage halogen lamps and light bulbs
- Electronic, transistor-controlled, phase-controlled dimmer without inductor
- On/Off/Dimming using a pushbutton
- Active current limitation with overtemperature protection
- Low-noise operation
- Flicker-free dimming due to option of setting basic and maximum brightness
- For connection cables with a diameter of max. 7.5 mm
- Compact design

#	
924.354	Black



924.354

## LED intermediate dimmer, series 8116

- 250V~ | 50Hz | 7-110 W/VA | LED 3-35 W
- Separate on / off switches, control wheel provides dimming function
- For low-voltage halogen lamps with conventional transformers, high-voltage halogen lamps and light bulbs

#	
924.0161	Black   For dimmable LED lamps and energy saving lamps



924.0161

**Line intermediate dimmer / reverse phase control dimmer, series 8113 |**

130 x 60 x 35 mm

- 250V~ | 50 Hz | 20 to 300 VA
- Connection options can be freely selected (as intermediate or end dimmer)
- Hand and foot operation
- Orientation light in the dark | Separate on / off switches
- For low-voltage halogen lamps with electronic transformers, high-voltage halogen lamps and light bulbs
- No fuse protection | Buzz-free

#	
924.338	Housing, black
924.353	Housing, transparent



924.338



924.353



924.345



924.346



924.347



924.348

**LED intermediate dimmer, series 8115**

- 250V~ | 50 Hz | 7-110 W/VA
- Connection options can be freely selected (as intermediate or end dimmer)
- Hand and foot operation
- For dimmable LED lamps, low-voltage halogen lamps with electric transformers, high-voltage halogen lamps and light bulbs
- No fuse

#	
924.345	Housing black
924.346	Housing white
924.347	Housing transparent
924.348	Housing gold

**LED-Line rotary dimmer, series 8118 | Diameter 33 mm x L110 mm**

- 250V~ (+/- 10%) | 50 Hz | 5-100 W/VA, LED 3-35 W
- Electronic, transistor-controlled, phase-controlled dimmer without inductor
- For dimmable LED lamps, high-voltage halogen lamps and light bulbs
- On/Off/Dimming by turning the housing
- Active current limitation with overtemperature protection
- Works in complete silence
- Flicker-free dimming due to option of setting basic and maximum brightness
- With microswitch and fine grid
- Can be freely positioned due to symmetrical design
- For connecting textile cables with a diameter of max. 8 mm

#	
924.0163	Black without cable
924.0164	White without cable
924.0165	Transparent without cable



924.0163



924.0164



924.0165

**Line intermediate dimmer, series 8114 | 96 x 41 x 29 mm**

- 250V~ | 50 Hz | 20 to 200 W/VA
- Revolving off function, with protective conductor connection
- For low-voltage halogen lamps with conventional transformers, high-voltage halogen lamps and light bulbs
- Externally accessible fuse switch for easy replacement of fuse

#	
924.340	Housing, black   Rotating wheel, light grey
924.342	Housing, transparent   Rotating wheel, light grey
924.343	Housing, white   Rotating wheel, light grey
924.344	Housing, gold   Rotating wheel, black



924.340



924.342




924.343

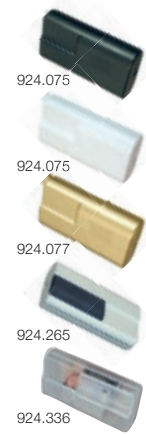


924.344


**Line intermediate dimmer, series 8013** | 107 x 60 x 30 mm

- 250 V~ | 20-500 W
- For low-voltage halogen lamps with conventional transformers, high-voltage halogen lamps and light bulbs
- For hand and foot operation

#	
924.075	Housing black   Slider black
924.076	Housing white   Slider white
924.077	Housing gold   Slider gold
924.265	Housing titanium   Slider black
924.336	Housing, transparent   Slider, transparent


**Line intermediate dimmer, series 8015** | 92 x 28 x 27 mm

- 230 V~ | From 40 to 160 W | With 0.8 A micro fuse
- With illumination | For light bulbs | With strain relief

#	
924.267	Housing, transparent
924.081	Housing, black
924.082	Housing, white

**Line-End dimmer, series 8013** | 107 x 60 x 30 mm

- 250 V~ | For high-voltage halogen lamps, light bulbs and low-voltage halogen lamps (for conventional transformers) from 20-500 W
- Hand and foot operation
- With 2 m cable and appliance plug, plug with child protection

#	
924.078	Housing black   Slider black
924.079	Housing white   Slider white
924.080	Housing gold   Slider gold
924.266	Housing titanium   Slider black



# Switches/buttons

## Line intermediate switch, series 5052 | 66 x 30 x 21 mm

- 2 A / 250 V~ | On/Off switch, 2-pole
- With screwed contacts
- Fluorescent rockers
- For dual-insulated flat cable 2 x 0.75 mm
- Marking 0 – 1

#	
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### Non-illuminated, for protection class II equipment

924.028	Housing black   Rocker black
924.029	Housing white   Rocker white

### Illuminated, for protection class II equipment

924.031	Housing white   Rocker white
---------	------------------------------



924.028



924.029



924.031

## Line intermediate switch, series 5044 | 81 x 32 x 29 mm

- 2 (1) A/250 V~ | On/Off switch, 1-pole
- Housing and strain relief screwed, 2 connecting terminals
- For dual-insulated flat cable 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- Strain relief
- Screwed contacts

#	
---	--

924.259	Housing transparent   Button transparent
924.023	Housing white   Button black
924.024	Housing black   Button black
924.025	Housing white   Button white
924.026	Housing brown   Button beige
924.027	Housing gold   Button gold
924.260	Housing titanium   Button black



924.259



924.023



924.024



924.025



924.026



924.027



924.260

## Line intermediate switch, series 8007 | 61 x 23 x 15 mm

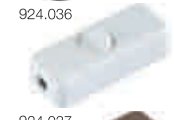
- 2 A/250 V~ | On/Off switch, 1-pole
- Strain relief and screwed housing
- Connecting terminal for neutral conductor
- For dual-insulated flat cable, 2 x 0.75 mm<sup>2</sup>
- Screwed contacts

#	
---	--

924.036	Housing black   Rocker black
924.037	Housing white   Rocker white
924.038	Housing brown   Rocker brown
924.039	Housing gold   Rocker gold



924.036



924.037




924.038



924.039

**Line intermediate switch, series 8002** | 58 x 28 x 29 mm (without button)

- 2 A/250 V~ | On/Off switch, 1-pole
- Strain relief, screwed
- Snap-in mounting assembly for housing with inserted pushbutton switch | Button diameter 12 mm
- Connecting terminal for neutral conductor
- For dual-insulated flat cable, 2 x 0.75 mm<sup>2</sup>

#	
924.032	Housing black   Button black
924.033	Housing white   Button white
924.034	Housing brown   Button brown



924.032




924.033



924.034

**Line intermediate switch, series 5055** | 67 x 22 x 17 mm (without rocker)

- 3(2) A/250 V~ | On/Off switch, 1-pole
- Strain relief via insulated material screw, snap-in mounting assembly for housing
- Connecting terminal for neutral conductor
- Contacts with silver, therefore particularly suitable for LED
- For dual-insulated flat cable, 2 x 0.5 mm<sup>2</sup> and 2 x 0.75 mm<sup>2</sup>

#	
924.043	Housing black   Rocker black
924.044	Housing white   Rocker white
924.045	Housing brown   Rocker brown
924.046	Housing gold   Rocker gold
924.261	Housing titanium   Rocker black



924.043



924.044



924.045



924.046

924.261

**Line intermediate switch, series 8006** | 76 x 26 x 23 mm

- 6(4) A/250 V~ | On/Off switch, 1-pole
- Screw-in strain relief | Screwed housing | 2 connecting terminals
- Marking 0 – I
- For dual-insulated flat cable 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- Suitable for switching the secondary circuit of halogen lamps

#	
924.047	Housing black   Rocker black
924.048	Housing white   Rocker white
924.049	Housing brown   Rocker brown
924.050	Housing gold   Rocker brown



924.047



924.048




924.049



924.050

**Line intermediate switch, series 8010** | 80 x 30 x 25 mm

- 10(4) A/250 V~ | On/Off switch, 2-pole
- Screw-in strain relief | Screwed housing | Connecting terminal for protective conductor
- Marking 0 – I
- For cables 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>

#	
924.051	Housing black   Rocker red
924.052	Housing white   Rocker white
924.053	Housing brown   Rocker beige



924.051



924.052



924.053

**Line intermediate switch, series 8010** | 80 x 30 x 25 mm

- 10(4) A/250 V~ | On/Off switch, 2-pole
- Screw-in strain relief, screwed housing | Connecting terminal for protective conductor
- Marking 0 – 1
- Illuminated
- For cables, 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- Screwed contacts

#	
924.327	Housing black   Rocker red



924.327

**Line intermediate switch, series 8011** | 105 x 37 x 37 mm

- 2 A/250 V~ | Multi-circuit switch, 1-pole
- Housing with double cable exit | 2 connecting terminals
- Circuit 0-1-1+2-2-0
- For cables 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- Screwed contacts

#	
924.054	Housing black   Button black
924.055	Housing white   Button white



924.054



924.055

**Series 8057 cord intermediate switch**

- 3(1) A / 250 V~ AC | 2 x On / Off switches, 1-pole
- Screwed housing | Forced strain relief
- Marking 0-1
- For cables h 03 VV h 2-f, 2 x 0.75 mm<sup>2</sup> or h 03 VV-f, 2 x 0.75 mm<sup>2</sup>

#	
924.087	Housing black   Rocker black
924.088	Housing white   Rocker white



924.087



924.088

**Series 8075 cord intermediate switch**

- 2 A / 250 V~ AC | On/Off switch, 1-pole
- Screwed housing and strain relief
- Connecting terminal for neutral conductor
- For dual-insulated flat cable 2 x 0.75 mm<sup>2</sup>

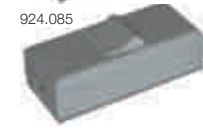
#	
924.084	Housing white   Rocker white
924.085	Housing black   Rocker black
924.086	Housing titanium   Rocker black



924.084




924.085



924.086

**Foot intermediate switches**

- Ø 66 mm
- With screwed contacts
- For cables, 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- 2 connecting terminals | Snap-in mounting for housing | Strain relief, screwed
- Strain relief

#	
<b>Foot intermediate switch, series 50</b>   2(1)A / 250 V~   On/Off switch, 1-pole	
924.262	Housing transparent   Button transparent
<b>Foot intermediate switch, series 5062</b>   2(1)A/250V~   On/Off switch, 1-pole	
924.056	Housing gold   Button gold
924.057	Housing white   Button black
924.058	Housing black   Button black
924.059	Housing white   Button white
924.060	Housing brown   Button beige
<b>Foot intermediate switch, series 8009</b>   2(1)A/250V~   On/Off switch, 1-pole	
924.062	Housing black   Button black
924.063	Housing white   Button white
924.064	Housing brown   Button brown
924.065	Housing gold   Button gold
<b>Foot intermediate switch, series 8009</b>   6(2)A/250V~   On/Off switch, 1-pole   Suitable for secondary-phase halogen lamp switching	
924.068	Housing black   Button black
924.069	Housing white   Button white
<b>Foot intermediate switch, series 8009</b>   2(1)A/250V~   Multi-circuit switch, 1-pole   Circuit 0-1-1+2-2-0	
924.066	Housing white   Button black
924.067	Housing black   Button black
924.264	Housing gold   Button gold
<b>Foot intermediate switch, series 8008</b>   2A/250V~   On/Off switch, 1-pole	
924.061	Housing brass   Button black   Screwed housing and strain relief
<b>Foot intermediate switch, series 8020</b>   2(0.7)A / 250 V~   On/Off switch, 1-pole	
924.150	Housing black   Rocker black



924.262



924.058



924.059



924.060



924.064



924.068



924.069




924.061



924.150

**Pull switch | On/Off switch, 1-pole**

- Screwed contacts
- T 125 °C

#	
<b>Pull switch, series 3716</b>   4(1)A/250V~	
924.151	Housing black   Two-hole mounting   Hole distance 20mm   Mounting holes, 3.4 mm diameter
<b>Pull switch, series 3730</b>   2(1)A/250V~	
924.152	Housing black   Single-hole mounting   Mounting holes, 3.2 mm diameter
924.153	Housing black   Hole distance 22-25 mm   With screw-on brackets
<b>Pull switch, series 3746</b>   2A/250V~   Two-hole mounting   Hole distance 22 mm   Mounting holes, 3.4 mm diameter	
924.154	Housing brown-black   Pull cord entry on end face
924.155	Housing brown-black   Pull cord entry on side face
<b>Pull switch, series 3746</b>   2A/250V~   Hole distance 23 mm   Mounting holes, 3.4 mm diameter   With fixing plate	
924.156	Housing brown-black   Pull cord entry on end face



924.151



924.152



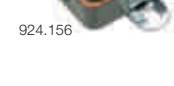
924.153



924.154



924.155



924.156



### Pull serial switch, series 3776

- Fixing holes, 3.15 mm diameter, screwed contacts
- Circuit 0-1-1+2-2-0
- T 85 °C

#	
924.157	2A/250V~   Multi-circuit switch, 1-pole



924.157

### Pull switch, series 3717

- 2(1) A, ~ 250 V, T 85 °C
- Screwless terminal connectors

#	
924.258	Cable cross-section at least 0.75 mm <sup>2</sup>   1-pole



924.258

### Pull cord

- 25 cm, with pull cone
- Suitable for switch types 3716, 3730, 3746, 8017, 3776

#	
924.158	White



924.158

### Line-End switch, series 8016 | 30 x 51 x 20 mm

- 10(2)A / 250V~ | On/Off switch, 1-pole
- With screwed contacts | Screwed housing and strain relief
- Marking 0 – 1

#	
924.073	Housing white   Rocker white
924.074	Housing black   Rocker black



924.073

924.074

### Console pushbutton with spring contact, series 5120 | 39 x 34 x 15 mm

- 2(1)A / 250V~ | Break-contact switch, 1-pole
- With screwed contacts | Two-hole mounting, mounting holes 3.5 mm diameter
- T 85 °C

#	
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#### Hole distance 43 mm | Trade version with additional housing

924.203	Housing white   Button white
924.103	Housing black   Button black

#### Hole distance 25.5 mm | Industrial version without additional housing | Please note: Ensure installation is VDE-compliant, e.g. bolt only to insulating surfaces (plastic)

924.071	Housing white   Button white
924.072	Housing black   Button black



924.203

924.103




924.071

924.072

**Pushbutton serial switch, series 3076**

- 2 A / 250 V~ | Multi-circuit switch, 1-pole
- Central fixing with M 12 x 1 mm | Screwed contacts | Bell-shaped nut screws on from above
- Circuit 0-1-1+2-2-0
- T 100 °C

#	
924.140	Button white   Thread length 8mm
924.141	Button white   Thread length 12mm



924.140

**Pushbutton, series 8001**

- 2 A / 250 V~ | Normally open contact, 2-pole
- Without thread | Screwed contacts
- Mounting holes, 3.6 mm diameter

#	
924.146	Button white



924.146

**Pushbutton switch**

- On / Off switch, 1-pole
- Central mounting by M 10 x 1 mm | Screwed contacts
- Bell-shaped nut screwed on

#	
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**Pushbutton switch, series 8001** | 2(0.7)A/250V~ | T 100 °C

924.142	Button white   Thread length 8mm
924.143	Button black   Thread length 8mm
924.145	Button white   Universal for 8-15mm thread   With 2 thread-reducing rings

**Pushbutton switch, series 8001** | 6(2)A / 250V~ | T 85 °C | Suitable for secondary-phase halogen lamp switching

924.144	Button white   Thread length 8mm
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**Pushbutton switch, series 3030** | 2(1)A/250V~ | T 85 °C | Bell-shaped nut screwed on, constant switch position

924.137	Button white   Thread length 11.5mm
924.138	Button black   Thread length 11.5mm

**Flush pushbutton switch, series 3030** | 2(1)A / 250V~ | T 185 °C | For H03VV-F 2x0.75 mm<sup>2</sup>, H03VV-F 3G 0.75 mm<sup>2</sup>, H03VV H2-F 2x0.75 mm<sup>2</sup>, bell-shaped nut screws on from above, constant switch position

924.1370	Button white   Thread length 7.5 mm
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924.142



924.143



924.144



924.145



924.137

**Button, series 8001**

- 2(0.7)A / 250 V~ | Normally open contact, 1-pole
- Central mounting by M 10 x 1 mm | Screwed contacts
- Bell-shaped nut screwed on
- T 100 °C

#	
924.149	Button white   Universal for 8-15mm thread   With 2 thread-reducing rings



924.149

### Toggle switch, series 8400

- 6(4) A / 250 V~
- Suitable for devices of protection class II | Central fastening M 12 x 0.75 mm
- Hexagonal and knurled nut screwed on
- Thermoplastic toggle and housing | Contacts made of silver | Terminals silver-plated
- Suitable for switching the secondary circuit of halogen lamps
- T 85 °C

#	
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#### On/Off switch, 1-pole

924.160	Solder connection
924.161	Plug connection 4.8 mm

#### Changeover switch, 1-pole

924.162	Solder connection
924.163	Plug connection 4.8 mm



924.161



924.163

### Rocker switch, series 3652

- 16(8) A / 250 V~
- With and without illumination
- Spade terminals 6.3 x 0.8 mm
- No centre position
- T 125 °C

#	
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#### On/Off switch, 1-pole | Non-illuminated | Without rocker printing | 11x30mm cut-out

924.090	Housing white   Rocker white
924.091	Housing black   Rocker black

#### On/Off switch, 1-pole | Illuminated | Without rocker printing | 11x30mm cut-out

924.111	Housing white   Rocker red
924.112	Housing black   Rocker red
924.113	Housing black   Rocker yellow
924.114	Housing black   Rocker green

#### Changeover switch, 1-pole | Non-illuminated | Without rocker printing | 11x30mm cut-out

924.092	Housing black   Rocker black
---------	------------------------------

#### On/Off switch, 2-pole | Non-illuminated | Rocker printing with 0 | 22x30mm cut-out

924.094	Housing white   Rocker white
924.095	Housing black   Rocker black

#### On/Off switch, 2-pole | Illuminated | Rocker printing with 0 | 22x30mm cut-out

924.096	Housing white   Rocker red
924.097	Housing black   Rocker green
924.0970	Housing black   Rocker blue
924.098	Housing black   Rocker yellow
924.099	Housing black   Rocker red

#### Changeover switch 2-pole | Non-illuminated | Without rocker printing | 22x30mm cut-out

924.109	Housing black   Rocker black
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#### On/Off switch, 2 x 1-pole | Illuminated | Without rocker printing | 22x30mm cut-out

924.120	Housing black   Rocker red/red
---------	--------------------------------



924.091



924.090



924.111



924.092



924.094



924.095



924.096



924.109



924.120

**SPVC covers and frames, series 22**

· For retrofitting to series 3652 as splash and dust protection

#	
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**For 1-pole rocker switch**

924.115	Frame white   Cap clear
924.116	Frame black   Cap clear

**For 2-pole rocker switch**

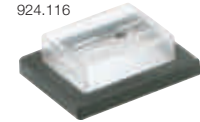
924.118	Frame black   Cap clear
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924.115



924.116



924.118

**Rocker switch, series 8004**

- 6(2)A / 250V~ | On/Off switch, 1-pole
- Snap-in fixing for 19.4x13 mm cut-out
- Suitable for switching the secondary circuit of halogen lamps
- Non-illuminated, marking 0 I
- T 85 °C

#	
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924.127	Spade terminals 4.8 mm   Housing black   Rocker black
924.128	Screw connections   Housing black   Rocker red



924.127



924.128

**Rocker switch, series 8005**

- 16(4)A / 250V~ | On/Off switch, 2-pole
- Snap-in fixing for 22x30 mm cut-out
- Combined spade terminals 6.3 mm
- Screw terminals M 3
- Illuminated, marking 0 I
- T 85 °C

#	
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924.129	Housing black   Rocker red
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924.129

**Rocker switch, series 8014**

#	
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**Installation dimension 22 mm**, fixing thread M 22, SK II | On/Off switch, 1-pole | 6(2)A/250V~ | T 85 °C | Screwed contacts, with plastic hexagonal nut | Suitable for switching the secondary circuit of halogen lamps

924.131	Housing white   Rocker white
924.132	Housing black   Rocker black

**Installation dimension (hole) diameter 21.7 mm**, SK II, screwed contacts, with protection against contact | On/Off switch, 1-pole | 6(2)A/250V~ | T 120 °C | Suitable for switching the secondary circuit of halogen lamps

924.133	Housing black   Rocker black
924.134	Housing white   Rocker white

**Snap-in fixing for 22 x 30 mm cut-out**, combined spade terminals 6.3 mm | On/Off switch, 2-poles | 16(4)A/250V~ | T 85 °C | M 3 screw connections, with water protection cap, illuminated, marking 0 I

924.136	Housing red   Rocker red
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924.131



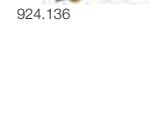
924.132



924.133




924.134



924.136

**Flush rocker switch, series 3627**

- 16(8) A, 250 V~
- With illumination
- Spade terminals 6.3 mm
- Snap-in fixing to 22 x 30 mm cut-out
- Marking 0 - I

#	
<b>On/Off switch, 2-pole   Illuminated</b>   T 125 °C	
924.176	Housing black   Rocker green
924.178	Housing black   Rocker red




924.176



924.178

**Flush rocker switch, series 3628**

- 10(4) A
- Spade terminals 4.8 x 0.8 mm
- Installation dimensions 22 x 19 mm
- Marking 0-I


#	
<b>On/Off switch, 2-pole   Non-illuminated</b>   T 105 °C	
924.190	Housing black   Rocker black



924.190

**Flush rocker switch, series 3630**

- 5 A
- Spade terminals 4.8 x 0.8 mm
- Installation dimension 20 mm Ø


#	
<b>On/Off switch, 2-pole   Non-illuminated</b>   T 105 °C	
924.191	Housing black   Rocker black



924.191

**Flush rocker switch, series 3631**

- 10(4) A, 250 V~
- With and without illumination
- Spade terminals 4.8 x 0.8 mm
- Installation dimensions 19 x 13 mm

#	
<b>Changeover switch, 1-pole   Non-illuminated</b>   T 125 °C	
924.182	Housing, black
<b>On/Off switch, 1-pole   Illuminated</b>   T 125 °C	
924.110	Housing black   Rocker red with white marking 0-I
924.181	Housing black   Rocker green without marking



924.182



924.110



924.181

**Flush rocker switch, series 3632**

- 10(2) A | 250 V~ | 1-pole | T125°
- Changeover switch with central position "OFF", non-illuminated
- Installation dimensions 19x13 mm
- Spade terminals 4.8 x 0.8 mm

#	
924.183	Housing black   Marking white I-O-II



924.183

**Flush rocker button, series 3633**

- 6 (2) A | 250 V~ | 1-pole | Normally open contact | T125°
- Installation dimensions 19x13 mm
- Spade terminals 4.8 x 0.8 mm


#	
924.184	Housing black   Non-illuminated



924.184

**Flush rocker switch, series 3634**

- 10 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- Installation dimensions 19x13 mm
- Spade terminals 4.8 x 0.8 mm
- White marking 0-I

#	
924.185	Housing black   Non-illuminated
924.186	Housing black   Rocker green, illuminated




924.185



924.186

**Flush pressure switch, series 3635**

- 16 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- Installation dimensions 19x13 mm
- Spade terminals 4.8 x 0.8 mm

#	
924.1371	Housing black   Non-illuminated
924.1372	Housing black   Button green, illuminated



924.1371



924.1372

### Flush rocker switch, series 3658

- 16 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- Installation dimensions 19 x 13 mm
- Spade terminals 6.3 mm
- With rubber seal
- Water and dust protection as per IP65

#	
924.187	Housing black   Button green, illuminated
924.188	Housing black   Button red, illuminated



924.187



924.188

# Child safety

## Teddy, series 6310

- Socket guard for insertion into socket outlets with earthing contacts
- Cover cap with key
- Only to be removed from outlet using the key supplied

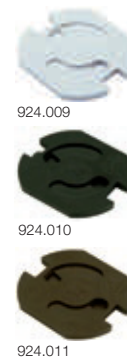
#	
<b>5 items and 3 keys in transparent bag (price per bag)</b>	
924.201	White
924.101	Black
924.004	Brown (supplied in units stated)
<b>Loose (price per item) 50 items in a box</b>	
924.005	White



## Teddy automatic, series 6320

- Socket guard for gluing into socket outlets with earthing contacts

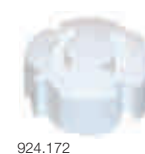
#	
<b>5 items on blister card (price per card)</b>	
924.009	White
924.010	Black
924.011	Brown
<b>Loose (price per item) 250 items in a box</b>	
924.012	White



## Protective caps, series 2002

- For insertion into socket outlets with earthing contacts

#	
924.172	White   10 items in transparent bag (price per bag)
924.1720	White   1 piece (loose)



## Teddy duo, series 6330

- Orientation light and socket guard
- With key

#	
<b>1 item on blister card (price per card)</b>	
924.001	Gives a red light





# Special products

## Overload protection power strip, series 8110 | 75 x 45 x 270 mm

- 250V~ | 50Hz / 16A
- For connecting two devices with high energy consumption (e.g. for washing machines and dryers)
- 1.5 m connection cable with plug
- 1 socket with automatic switch-off, power dependent
- 1 socket with continuous current
- Screw mounting
- Weight 450 g

#	
924.164	2-way



924.164

## Pinfix, series 8821

- Special solution for heavy flat-plug power packs
- For the whole of Europe (except Switzerland)
- Pinfix is patented
- 1 item on blister card

#	
924.329	Black
924.330	White



924.330



This **overload-protected power strip** solves the problem of running two power-hungry appliances such as a washing machine and a tumble dryer from a single supply cable. It prevents fuses being blown and avoids the need for new cables to be installed. The two appliances can be run simultaneously because the power strip cuts out the tumble dryer during the water-heating phase of the washing machine. Once the heating stage is completed, the dryer will automatically be switched on again. For electronic dryers, please consult your user manual.

# IT power distribution





## AC power distribution units (PDU)

---

BlueNet – Smart Solutions	252
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## DC power distribution units (PDU)

---

Basic	290
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# BlueNet – Smart Solutions

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

## **Energy management**

Monitor energy costs with BlueNet. All data is illustrated using the software and display. Loads can be distributed so that failures caused by overloaded circuits can be prevented and so that messages are automatically triggered by means of variable threshold values. Restarts controlled by web link further increase availability and flexibility. The BlueNet technology can also be easily integrated into superordinate software solutions using extensive, integrated interfaces.

## **Safety**

Every BACHMANN PDU is tested and documented during production using a computer-based test program. Electronic components are continually subjected to "stress tests" to guarantee consistent quality. BlueNet is therefore only integrated into compact, very robust yet weight-optimised

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

## **Energy-efficiency**










BACHMANN BlueNet PDUs save energy. The technology used has some of the lowest internal consumption levels in operation for intelligent measurement systems in the world. The modular structure of the BlueNet PDUs guarantees maximum packing density. The tiny amount of space needed by the PDUs leaves room for cabling and air conditioning in the rack. The BlueNet series BN2000 is one of the most compact power metering solutions with integrated network and sensor interface anywhere in the world.

# BN3000 – BN7500

The BN3000 – BN7500 series of our BlueNet products is synonymous with state-of-the-art technology – whether in the form of power distribution units (PDUs) that can be cascaded via Modbus, integrated, AC/DC-sensitive Residual Current Monitoring, surge protection, command line

tools or the rotating OLED display. And there's more: our features represent safety and efficiency; and can be integrated into DCIM systems. From a single workplace, you can monitor and control your data centre's complex power grid locally or remotely.



	PDUs for metering tasks				PDUs for switching and metering tasks	
	BN0500	BN2000	BN3000	BN3500	BN7000	BN7500
 Surge protection	(•)	(•)	(•)	(•)	(•)	(•)
 Measurement per phase	•	•	•	•	•	•
 Ethernet		•	•	•	•	•
 Sensors		•	•	•	•	•
 Modbus RTU/TCP			•	•	•	•
 Type B RCM			(•)	(•)	(•)	(•)
 Switching					•	•
 Measurement per port				•		•
 Powerline Communication		(•)				

(•) The indicated feature is available as an option.

# BlueNet features

	BN0500	BN2000	BN2000 PLC	BN3000	BN3500	BN7000	BN7500
<b>Measurement</b>							
Current	•	•	•	•	•	•	•
Voltage	•	•	•	•	•	•	•
Phase angle	•	•	•				
Frequency	•	•	•	•	•	•	•
Effective power	•	•	•	•	•	•	•
Reactive power		•	•	•	•	•	•
Apparent power		•	•	•	•	•	•
Energy meter	•	•	•	•	•	•	•
Power factor		•	•	•	•	•	•
Neutral conductor monitoring		•	•	•	•	•	•
Measurement per phase	•	•	•	•	•	•	•
Measurement per socket					•		•
Optional residual current monitoring (type B)				•	•	•	•
Measurement accuracy	2%	1%	1%	1%	1%	1%	1%
<b>Display</b>							
Type	LCD	TFT	TFT	OLED	OLED	OLED	OLED
Display can be rotated using software		•	•	•	•	•	•
<b>Switching</b>							
Sockets can be switched						•	•
Switching with bistable relays						•	•
<b>Operation</b>							
Web browser		•	•	•	•	•	•
Local	•	•	•	•	•	•	•

	BN0500	BN2000	BN2000 PLC	BN3000	BN3500	BN7000	BN7500
<b>Connections</b>							
Ethernet (10/100 Mbit/s)		•	•	•	•	•	•
USB				•	•	•	•
Sockets for external sensors		2	2	2	2	2	2
Modbus RTU (master/slave operation)				•	•	•	•
Isolated digital input				•	•	•	•
Isolated relay output				•	•	•	•
<b>Communication</b>							
IPv4		•	•	•	•	•	•
IPv6				•	•	•	•
Powerline Communication			•				
ModBus TCP				•	•	•	•
HTTP		•	•	•	•	•	•
HTTPS			•	•	•	•	•
SSH				•	•	•	•
DHCP		•	•	•	•	•	•
SMTP			•	•	•	•	•
SNMPv2		•	•	•	•	•	•
SNMPv3				•	•	•	•
SNMP trap		•	•	•	•	•	•
Syslog		•	•	•	•	•	•
NTP		•	•	•	•	•	•
LDAP				•	•	•	•
JSON				•	•	•	•

## Cascading using the master-slave concept

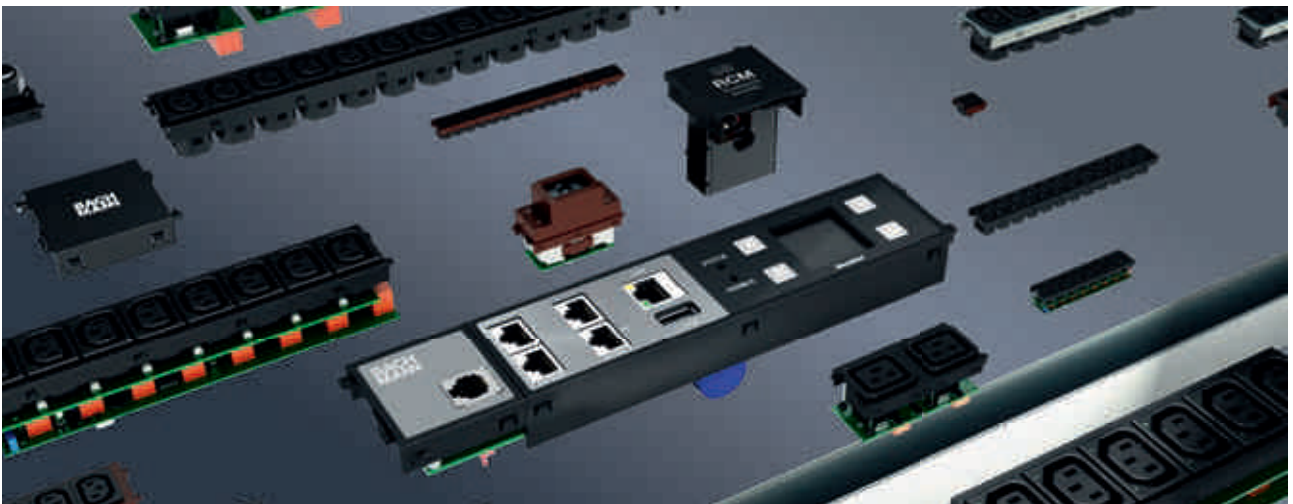
A BlueNet master PDU can manage up to 11 BlueNet slave PDUs via a separate Modbus connection. This means you can save on expensive network ports and are able to define groups of outlet ports that include several PDUs. Grouping in this way allows you to re-set multiple power supply units of a server or switch at the same time.

Every BlueNet PDU features Modbus RTU interfaces to facilitate cascading. The PDUs are connected to one another via a standard network cable – there is no need for any special cables. With this type of cascading, you will only need to provide one network port for a total of six racks with two BlueNet PDUs each, for example. This makes the communication network less complex and reduces the number of IP addresses required.

The PDUs from series BN7000 and BN7500 are PoE-capable (PoE: Power over Ethernet), i.e. if you were to use a PoE switch, it would still be possible to assess the status of the PDUs and the sensors even if the power were to fail.



## Customising with the BACHMANN modular principle



Whether home to just one rack or one thousand: every data centre has its own particular conditions that must be taken into account, especially when it comes to configuring the power supply. We are well aware that a professional and homogeneous data centre power supply requires PDUs that meet your needs, be that through a wide range of country-specific outlet ports, a variety of protection options or supplementary modules providing modular surge protection or Residual Current Monitoring, for example.

That's why, with the BlueNet series, we offer tailor-made units that extend far beyond the standard product range – even in small quantities. When used in conjunction with the BACHMANN modular system, this gives you incredible flexibility when configuring our PDUs, so you can achieve optimum energy management in your data centre.



# Energy monitoring and management

Make optimum use of your resources with BlueNet: the transparency that BlueNet provides enables you to effectively measure, assess and optimise energy efficiency and costs, document peak loads and plan capacity more efficiently. A measurement is taken at each output, so BlueNet meets the requirements of granularity level 3 outlined in the data centre standard EN 50600.

The high sensor measuring accuracy of  $\pm 1\%$  is an important quality feature of the BlueNet series. You can take measurements for each phase at the input of every PDU or for each output port (BlueNet BN7500), depending on your requirements. Thanks to this measuring accuracy, you will not only be able to optimise your data centre's energy costs, but also to pass them on for a specific application or customer with  $\pm 1\%$  billing accuracy.



## Colour coding



The availability of any data centre is based on various redundancy concepts, which usually feature a double power supply for all IT components at rack level. To quickly distinguish between PDUs and match them up easier in the rack, the BlueNet PDUs are available in different colours. Users can therefore quickly differentiate between the A and B supply during the installation phase or during service/maintenance work. Different application or customer areas in the data centre (known as cages) can also be equipped with differently coloured PDUs.

Clear colour coding also makes installation and mounting easier. Easy-to-mount accessories that enable the PDU to be positioned at all rack levels complete the overall BACHMANN package.



## Safe connections

BlueNet provides various ways of safely connecting servers with PDUs. In addition to slide-on locking clips, which secure two C13 ports, there is also the height-adjustable universal interlock, which can be used to lock both C13 and C19 ports. With the aid of

SecureSleeves, the plugs can not only be secured, but also colour-coded – without additional, special cables having to be bought.



Universal interlock C19



Locking clips



Universal interlock C13



SecureSleeves

# Surge protection

Standards DIN VDE 0100-443 and IEC 60364-4-44 stipulate that a surge protection concept is a fundamental component of any new building, including new data centres that are going to be built. The effective protection zone of an SPD (Surge Protection Device) is taken into consideration in the standards DIN VDE 0100-534 and IEC 60364-4-44 for the first time, with a maximum zone of 10 m. If this maximum distance cannot be met, then additional overvoltage protection (type 3) should be installed as close to the protected device as possible. The experts here at BACHMANN recommend installation in the PDU, directly on the devices.

Once the new data centre is completed and put into service, a further challenge is presented: What happens if the overvoltage protection is triggered due to atmospheric influences or a switching process?

Our BlueNet series PDUs, with their standard-compliant and, above all, modular overvoltage concept are a great help here. The type 3 SPD protection modules can be replaced tool-free during operation, so the power supply will no longer have to be interrupted if the device is tripped or needs to be changed. This method is a much cheaper way of restoring the function of the surge protection device. In addition, the protection status of the arrester module is monitored by the PDU, visualised in the BlueNet software and an alarm can be issued as a signal sequence via various communication interfaces.



# BlueNet sensors

Optimum operation of a data centre is conditional on a granulated measurement of the temperature, air humidity and other operating states directly in the server rack. These requirements can be met by using the BlueNet temperature sensor, combination sensor (temperature/air humidity) and the GPIO Module.

The sensors and/or the GPIO Module are connected to the sensor ports of the BlueNet PDU using Plug & Play and monitored continuously. If values exceed or

fall below configurable threshold values, this is detected and signalled at an early stage. In this way, we are helping to ensure the air conditioning runs efficiently in your data centre, while improving operating conditions for your IT equipment at the same time. The availability of the data centre as a whole can thus be guaranteed, any loss of data caused by sudden interruptions to operation can be avoided and the energy footprint can be optimised.



# GPIO Module



The GPIO Module (GPIO: general purpose input/output) allows you to expand BlueNet BN3000 – BN7500 PDUs by adding external sensors and/or actuators. Floating contacts provided on-site can then be queried and evaluated, and signalling can be performed via internal relay contacts, for example. Furthermore, it enables a physical connection to be established with the building control system for issuing alarms in response to set threshold values, such as when the residual current is exceeded.

The GPIO Module has four programmable in- and outputs that are visualised in the software interface of BlueNet BN3000 – BN7500. The PDU in the server rack is therefore evolving into a central, intelligent control unit for all physical parameters.

The input contacts provide an auxiliary voltage of 7 V and can be assigned to signal sequences. The isolated output contacts can be activated automatically by signal chains or manually via the software interface. Bistable relays enable loads of up to a maximum of 2 A/230 V AC or 2 A/30 V DC to be switched.

The GPIO Module is connected to one of the two sensor ports of the BlueNet BN3000 – BN7500 PDUs via a standard network cable. An external voltage supply is not required to operate the GPIO Module.

## Benefits

- Simple monitoring and signalling
- Inputs and outputs can be visualised in the software user interface
- Configuration via BlueNet software
- Simple to install

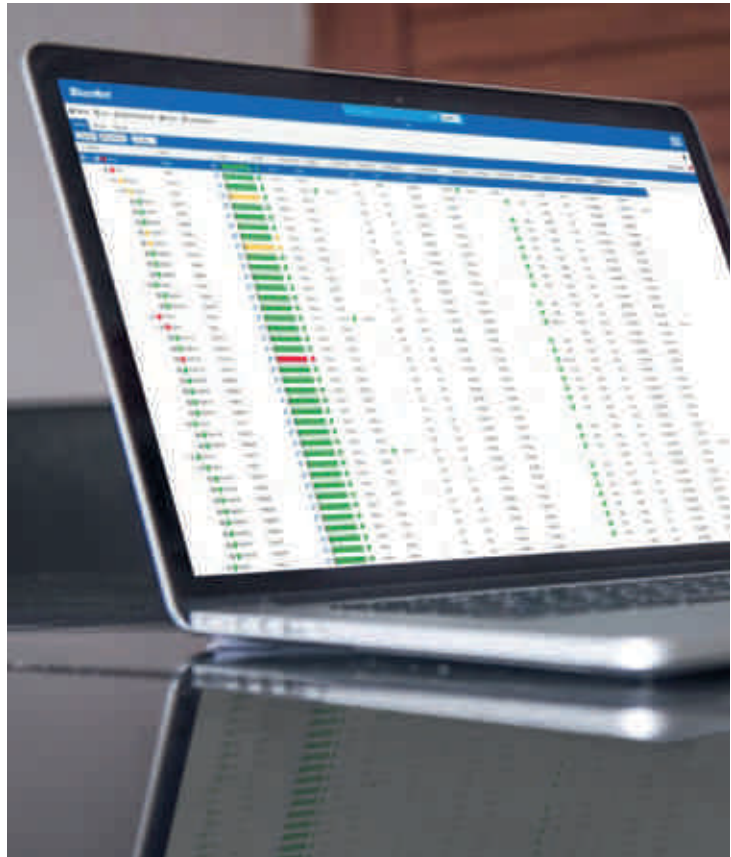
The **GPIO Module** (802.0100) is illustrated on page 288.

# Monitoring with BlueNet software

As well as the local display in every PDU, the BlueNet software with integrated Ethernet interface also gives you the means to monitor data at a central location from anywhere in the world, using standard browsers and the internet. For the implementation of the BlueNet PDUs in a higher-level monitoring or DCIM system (DCIM: Data Centre Infrastructure Management), we provide you with a suitable MIB file (MIB: Management Information Base). This way, you always have an overview of your PDUs: These intelligent PDUs provide you with current status information in real time. You can then respond easily and immediately in the form of automated actions via the DCIM system.

Communication is encrypted and complies with common security standards. Any threshold value, network parameter or alert settings can thus be performed. For example, if a particular threshold value is reached, an alert can be e-mailed to the responsible employee's smartphone so appropriate measures can be taken straight away if necessary. In addition, control via the command line interface or SNMP is also possible, in order to connect to existing or higher-level systems.

Access rights to the PDU can be defined on a user-specific basis and restricted to read-only data access, for example. Only the administrator has full read and write access. The administrator can create other users and define their rights at the PDU level.



## Neutral conductor monitoring

Generally speaking, operators of data centres want to achieve almost symmetrical utilisation of the outer conductors (phases), although this is not always possible. On top of this, the multitude of switching power supplies in the connected IT devices generate an unpleasant side effect in the form of unwanted harmonic waves, which superimpose the 50 Hz fundamental frequency in the grid.

The superimposed harmonics mean there is no longer a value of "zero" at the neutral conductor; rather, in the worst-case scenario there will be a much higher value, which can even reach 1.73 times the nominal current of the outer conductors. It is essential for this huge current load to be monitored, which our BlueNet PDUs do with additional sensors.

Another aspect that makes neutral conductor monitoring necessary: Incorrect installation may lead to wrong or loose connections of the neutral conductor. Depending on the internal resistances of the connected IT equipment, this could lead to extreme overvoltages and, consequently, to the IT devices being seriously damaged or even destroyed. This is another reason why neutral conductor monitoring is so important.


All of the above means that neutral conductor monitoring is a requirement of EN 50600, the standard for data centres. BACHMANN's three-phase BlueNet PDUs from series BN3000 – 7500 come equipped with this function which will be beneficial when certifying your data centre in accordance with EN 50600.

# BN7500

Measurement per phase 

Measurement per port 

Switching 

Sensors 

**3.0m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (WxHxD)
<b>16A/230V</b>							
802.7500		18	4		22		1234 x 44 x 65 mm
802.7500-S	●	18	4		22		1234 x 44 x 65 mm
802.7502		18		4	22		1500 x 44 x 65 mm
802.7523		24	4		28		1533 x 44 x 65 mm
<b>16A/400V</b>							
802.7506		18	3		21		1533 x 44 x 65 mm
802.7507		18		3	21		1500 x 44 x 65 mm
802.7508		24	6		30		1762 x 44 x 65 mm
802.7508-S	●	24	6		30		1762 x 44 x 65 mm
802.7510		24		6	30		1762 x 44 x 65 mm
802.7514		36	6		42	●	1943 x 44 x 65 mm
802.7514-S	●	36	6		42	●	1943 x 44 x 65 mm
<b>32A/230V</b>							
802.7501		16	4		20		1234 x 44 x 65 mm
802.7501-S	●	16	4		20		1234 x 44 x 65 mm
802.7503		16		4	20		1234 x 44 x 65 mm
802.7524		24	4		28		1533 x 44 x 65 mm
<b>32A/400V</b>							
802.7509		24	6		30		1762 x 44 x 65 mm
802.7509-S	●	24	6		30		1762 x 44 x 65 mm
802.7511		24		6	30		1817 x 44 x 65 mm



802.7500




802.7501



802.7506



802.7509

 Other product configurations (e.g. surge protection) and slave variants (802.75XX-S) are available on request.


 For versions with **Residual Current Monitoring (RCM)**, see page 268.

# BN7000

Measurement per phase 

Measurement per port 

Switching 

Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (WxHxD)
<b>16A/230V</b>							
802.7000		18	4		22		1234 x 44 x 65 mm
802.7000-S	•	18	4		22		1234 x 44 x 65 mm
802.7002		18		4	22		1500 x 44 x 65 mm
802.7021		24	4		28		1533 x 44 x 65 mm
<b>16A/400V</b>							
802.7006		18	3		21		1500 x 44 x 65 mm
802.7007		18		3	21		1500 x 44 x 65 mm
802.7008		24	6		30		1762 x 44 x 65 mm
802.7008-S	•	24	6		30		1762 x 44 x 65 mm
802.7010		24		6	30		1762 x 44 x 65 mm
802.7014		36	6		42	•	1943 x 44 x 65 mm
802.7014-S	•	36	6		42	•	1943 x 44 x 65 mm
<b>32A/230V</b>							
802.7001		16	4		20		1234 x 44 x 65 mm
802.7001-S	•	16	4		20		1234 x 44 x 65 mm
802.7003		16		4	20		1234 x 44 x 65 mm
802.7022		24	4		28		1533 x 44 x 65 mm
<b>32A/400V</b>							
802.7009		24	6		30		1762 x 44 x 65 mm
802.7009-S	•	24	6		30		1762 x 44 x 65 mm
802.7011		24		6	30		1817 x 44 x 65 mm



802.7000




802.7001



802.7006



802.7009

 Other product configurations (e.g. surge protection) and slave variants (802.70XX-S) are available on request.


 For versions with **Residual Current Monitoring (RCM)**, see page 269.

# BN3500

Measurement per phase 

Measurement per port 


Switching 

Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (WxHxD)
<b>16A/230V</b>							
802.3500		18	4		22		1234 x 44 x 65 mm
802.3500-S	●	18	4		22		1234 x 44 x 65 mm
802.3502		18		4	22		1500 x 44 x 65 mm
802.3519		24	4		28		1533 x 44 x 65 mm
<b>16A/400V</b>							
802.3506		18	3		21		1500 x 44 x 65 mm
802.3507		18		3	21		1500 x 44 x 65 mm
802.3508		24	6		30		1762 x 44 x 65 mm
802.3508-S	●	24	6		30		1762 x 44 x 65 mm
802.3510		24		6	30		1762 x 44 x 65 mm
802.3514		36	6		42	●	1943 x 44 x 65 mm
802.3514-S	●	36	6		42	●	1943 x 44 x 65 mm
<b>32A/230V</b>							
802.3501		16	4		20		1234 x 44 x 65 mm
802.3501-S	●	16	4		20		1234 x 44 x 65 mm
802.3503		16		4	20		1234 x 44 x 65 mm
802.3520		24	4		28		1500 x 44 x 65 mm
<b>32A/400V</b>							
802.3509		24	6		30		1762 x 44 x 65 mm
802.3509-S	●	24	6		30		1762 x 44 x 65 mm
802.3511		24		6	30		1817 x 44 x 65 mm



 Other product configurations (e.g. surge protection) and slave variants (802.35XX-S) are available on request.


 For versions with **Residual Current Monitoring (RCM)**, see page 269.

# BN3000

Measurement per phase 

Measurement per port 


Switching 

Sensors 

**3.0m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (WxHxD)
<b>16A/230V</b>							
802.3004		16	4		20		1102x44x65 mm
802.3004-S	●	16	4		20		1102x44x65 mm
802.3006		16		4	20		1102x44x65 mm
802.3041		24	4		28		1533x44x65 mm
<b>16A/400V</b>							
802.3010		18	3		21		1234x44x65 mm
802.3011		18		3	21		1234x44x65 mm
802.3012		24	6		30		1533x44x65 mm
802.3012-S	●	24	6		30		1533x44x65 mm
802.3014		24		6	30		1533x44x65 mm
802.3016		24	6	6	36		1762x44x65 mm
802.3018		36	6		42		1873x44x65 mm
802.3018-S	●	36	6		42		1873x44x65 mm
802.3020		36		6	42		1873x44x65 mm
<b>32A/230V</b>							
802.3005		16	4		20		1234x44x65 mm
802.3005-S	●	16	4		20		1234x44x65 mm
802.3007		16		4	20		1234x44x65 mm
802.3042		24	4		28		1533x44x65 mm
<b>32A/400V</b>							
802.3013		24	6		30		1762x44x65 mm
802.3013-S	●	24	6		30		1762x44x65 mm
802.3015		24		6	30		1870x44x65 mm
802.3019		36	6		42	●	2170x44x65 mm
802.3019-S	●	36	6		42	●	2170x44x65 mm



 Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

 For versions with **Residual Current Monitoring (RCM)**, see page 270.




# BN3000 Inline

Measurement per phase 

Measurement per port 

Switching 


Sensors 

**Power input: 3.0 m H05VV-F with CEE plug**

**Power output: 3.0 m H05VV-F with CEE coupling** | Including mounting kit

#	Slave variant	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (WxHxD)
802.3069		1	230	16	3.7	438x44x134 mm
802.3069-S	•	1	230	16	3.7	438x44x134 mm
802.3067		3	400	16	11.0	438x44x134 mm
802.3067-S	•	3	400	16	11.0	438x44x134 mm
802.3070		1	230	32	7.4	438x44x134 mm
802.3070-S	•	1	230	32	7.4	438x44x134 mm
802.3068		3	400	32	22.1	438x44x134 mm
802.3068-S	•	3	400	32	22.1	438x44x134 mm



 Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

 For versions with **Residual Current Monitoring (RCM)**, see page 271.



# Type B Residual Current Monitoring (RCM)

Using type B Residual Current Monitoring allows changes in the level of insulation of your power supply to be detected promptly, before protective devices are tripped by a residual current that puts people at risk and involves the risk of fire which would lead to the triggering of safety mechanisms and thus the failure of critical IT infrastructure. This time advantage allows countermeasures to be planned and contributes to the high availability of the power supply and, therefore, the data centre.

Thanks to our BlueNet PDU, this Residual Current Monitoring is not just undertaken at central measuring points in the main distribution or sub-distribution, but granulated at rack level in every PDU and even for every phase. In the event of escalation, this will help to locate the sources of errors faster and rectify them efficiently.

The residual current sensor conforms to EN 62020 and provides a high physical granularity, maximum safety and high availability. This AC/DC sensitive technology (type B) monitors all kinds of residual current and enables the user to differentiate between alternating (AC) and direct (DC) residual currents. Leakage currents, which are physically required, can therefore be distinguished from real residual currents.

## BENEFITS

- **Greater safety for people, operations and systems thanks to permanent type B AC/DC-sensitive Residual Current Monitoring**
- **Preventative safety to protect people from the hazards caused by electric current**
- **Higher profitability by reducing the expenditure of retests**
- **Minimisation of cost-intensive faults, service work and unscheduled interruptions to the operation of sensitive IT equipment**
- **Greater fire protection as combustible residual currents are detected when they emerge**

**Permanent monitoring of systems and operating equipment**

Permanent monitoring is absolutely essential in modern information technology. Continuous monitoring equipment reduces the work involved in statutory retests. In accordance with accident prevention regulations (DGUV, rule 3), the system's testing dates can be adapted to suit actual circumstances and optimise costs using permanent RCM.

The Residual Current Monitoring (RCM) is able to record residual currents of 1 mA and higher. Residual current activation values can be set in the BlueNet

software. The BlueNet software reliably signals instances where these values are exceeded. All measured values are transferred to superordinate systems via the Ethernet interface. A local display in the PDU also provides information about all important measured values. An RCM alarm or warning can also be triggered via the isolated PDU output or by the optional GPIO Module.

This setup ensures that the availability of the power supply has absolute priority at all times and that the system is not unexpectedly shut down in the event of errors.



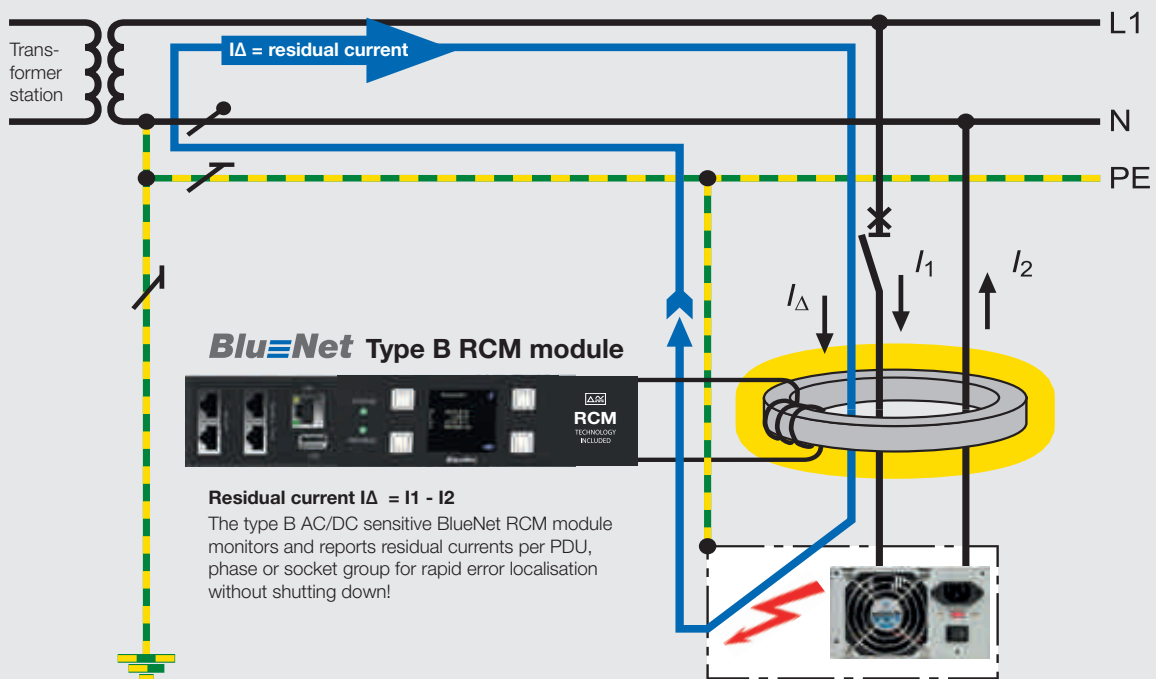
For operators and managers, outages, operational faults and interruptions to a data centre are nightmare scenarios. Potential avoidable triggers such as residual currents can be promptly detected with BlueNet RCM PDUs.

**More information on the topic of residual currents in data centres and how to avoid them can be found in our white paper.**

Download it for free at [www.bachmann.com/downloads](http://www.bachmann.com/downloads)



**Circuit with Residual Current Monitoring (RCM)**



**Residual current  $I_{\Delta} = I_1 - I_2$**   
 The type B AC/DC sensitive BlueNet RCM module monitors and reports residual currents per PDU, phase or socket group for rapid error localisation without shutting down!


Residual current across the housing or protective conductor in the event of damage, e.g. affecting a server power supply unit

# BN7500 RCM

Measurement per phase 

Measurement per port 

Switching 


Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	C13	C19	Outlets in total	Dimensions (WxHxD)
<b>16 A/230 V/Residual Current Monitoring per supply cable</b>				
802.7531	18	4	22	1500x44 x65 mm
<b>32 A/230 V/Residual Current Monitoring per supply cable</b>				
802.7532	16	4	20	1234x44 x65 mm
<b>16 A/400 V/Residual Current Monitoring per phase</b>				
802.7521	24	6	30	1762x44 x65 mm
<b>32 A/400 V/Residual Current Monitoring per phase</b>				
802.7530	24	6	30	1945x44 x65 mm



802.7521

 Other product configurations (e.g. surge protection) and slave variants (802.75XX-S) are available on request.

# BN7000 RCM

Measurement per phase

Measurement per port

Switching

Sensors

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	C13	C19	Outlets in total	Dimensions (WxHxD)
<b>16A/230V/Residual Current Monitoring per supply cable</b>				
802.7024	18	4	22	1500x44x65 mm
<b>32A/230V/Residual Current Monitoring per supply cable</b>				
802.7025	16	4	20	1234x44x65 mm
<b>16A/400V/Residual Current Monitoring per phase</b>				
802.7026	24	6	30	1762x44x65 mm
<b>32A/400V/Residual Current Monitoring per phase</b>				
802.7027	24	6	30	1945x44x65 mm

# BN3500 RCM

Measurement per phase

Measurement per port

Switching

Sensors

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	Outlets in total	Dimensions (WxHxD)
<b>16A/230V/Residual Current Monitoring per supply cable</b>					
802.3525		18	4	22	1500x44x65 mm
<b>32A/230V/Residual Current Monitoring per supply cable</b>					
802.3526		16	4	20	1234x44x65 mm
<b>16A/400V/Residual Current Monitoring per phase</b>					
802.3522		24	6	30	1762x44x65 mm
802.3522-S	•	24	6	30	1762x44x65 mm
<b>32A/400V/Residual Current Monitoring per phase</b>					
802.3527		24	6	30	1945x44x65 mm


Other product configurations (e.g. surge protection) and slave variants (802.70XX-S and 802.35XX-S) are available on request.

# BN3000 RCM

Measurement per phase 

Measurement per port 

Switching 

Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (WxHxD)
<b>16A/230V/Residual Current Monitoring per supply cable</b>							
802.3055		16	4		20		1103x44x65 mm
802.3055-S	●	16	4		20		1103x44x65 mm
<b>16A/400V/Residual Current Monitoring per supply cable</b>							
802.3030		24	12		36		1762x44x65 mm
802.3030-S	●	24	12		36		1762x44x65 mm
<b>32A/400V/Residual Current Monitoring per supply cable</b>							
802.3031		24	12		36	●	2037x44x65 mm
802.3031-S	●	24	12		36	●	2037x44x65 mm
<b>16A/230V/Residual Current Monitoring per phase</b>							
802.3032		12	2		14		891x44x65 mm
<b>16A/400V/Residual Current Monitoring per phase</b>							
802.3022		18	3		21		1234x44x65 mm
802.3023		18		3	21		1500x44x65 mm
802.3024		24	6		30		1533x44x65 mm
802.3024-S	●	24	6		30		1533x44x65 mm
<b>32A/400V/Residual Current Monitoring per phase</b>							
802.3025		24	6		30		1873x44x65 mm
802.3025-S	●	24	6		30		1873x44x65 mm




802.3055



802.3024



802.3025


 Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

# BN3000 RCM Inline

Measurement per phase 

Measurement per port 

Switching 


Sensors 

**Power input: 3.0 m H05VV-F with CEE plug**

**Power output: 3.0 m H05VV-F with CEE coupling** | Including mounting kit

#	Slave variant	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (WxHxD)
802.3072		1	230	16	3.7	438x44x134 mm
802.3072-S	•	1	230	16	3.7	438x44x134 mm
802.3039		3	400	16	11.0	438x44x134 mm
802.3039-S	•	3	400	16	11.0	438x44x134 mm
802.3071		1	230	32	7.4	438x44x134 mm
802.3071-S	•	1	230	32	7.4	438x44x134 mm
802.3065		3	400	32	22.1	438x44x134 mm
802.3065-S	•	3	400	32	22.1	438x44x134 mm



 Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

# BN2000 PLC

BlueNet 2000 PLC (Powerline Communication) facilitates energy requirement monitoring via the existing power grid without any additional network infrastructure. The BlueNet PLC Concentrator is at the heart of this innovative monitoring concept. It aggregates the data from all BN2000 PLC PDUs through the power grid, logs them and makes them available through its Ethernet interface via HTTPS, HTTP, SMTP, SNMP, SNMP trap and more.

The power data is recorded using compact BN2000 PLC PDUs. Alongside the integrated, high-precision measuring unit, they also feature two connections for temperature and air humidity sensors. The measurements are shown locally on the large TFT display. What's more, the measured data is evaluated by the integrated PLC (Powerline) communication module using the power grid of the concentrator and visualised using the pre-installed monitoring software. In parallel to the PLC technology, the Ethernet interface can also be used for communication purposes.

## Save costs with a lean infrastructure

Reducing running costs in data centres is one of the most challenging tasks faced when planning and operating a data centre. BlueNet BN2000 PLC can make a considerable contribution to those efforts. The costs associated with the network infrastructure and providing and managing the measurement data depend on numerous factors.

BlueNet BN2000 PLC allows you to greatly reduce the costs of energy monitoring:

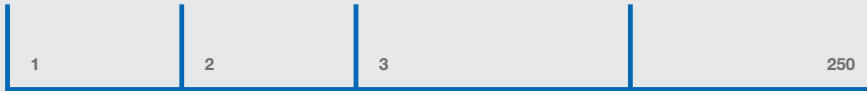
- Just one IP address per concentrator (up to 250 PDUs)
- Reduction in investment costs and the installation work involved in network technology
- Less effort for documentation
- Easy to link in and manage data in DCIM systems
- Reduction in energy costs for data transfer of measured values
- PDU software updates are automated using the Powerline Concentrator

## BENEFITS

- **Central aggregation of data using existing power grid saves money**
- **Optimisation of investment and operating costs by reducing network cabling, patch cables, IP addresses and switch ports**
- **Clear monitoring software which is intuitive to use and displays effective power, current, energy, phase imbalance, temperature, etc.**
- **Integrated reporting and grouping function**
- **Simultaneous monitoring of PDUs via PLC Concentrator and Ethernet**
- **Low internal consumption (concentrator <3 W/PDU <1 W)**



BN2000  
PLC PDUs



Power grid

PLC  
Concentrator



Ethernet 10/100 Mbps




# BN2000 PLC

Measurement per phase 

Measurement per port 

Switching 

Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (W x H x D)
<b>16A/230V</b>						
329.3143	16	4		20		863 x 44 x 47 mm
329.3144	16		4	20		863 x 44 x 47 mm
329.3145	24	4		28		1033 x 44 x 47 mm
<b>16A/400V</b>						
329.3146	18	3		21		1076 x 44 x 47 mm
329.3147	18		3	21		991 x 44 x 47 mm
329.3148	24	6		30		1374 x 44 x 47 mm
329.3149	24		6	30		1374 x 44 x 47 mm
329.3150	24	6	6	36		1660 x 44 x 47 mm
329.3111	36			36		1458 x 44 x 47 mm
329.3151	36	6		42		1629 x 44 x 47 mm
329.3152	36		6	42		1629 x 44 x 47 mm
<b>32A/230V</b>						
329.3153	16	4		20		1076 x 44 x 47 mm
329.3154	16		4	20		1076 x 44 x 47 mm
329.3155	24	4		28		1246 x 44 x 47 mm
<b>32A/400V</b>						
329.3156	24	6		30		1799 x 44 x 47 mm
329.3157	24		6	30		1829 x 44 x 47 mm
329.3158	36	6		42	●	2054 x 44 x 47 mm



329.3145



329.3155



329.3156



Variants with replaceable type 3 overvoltage protection available on request.

### BlueNet Powerline Concentrator

- Pre-installed monitoring software
- Grouping of PDUs and reporting function
- Automatic detection and monitoring of up to 250 BN2000 PLC PDUs without conventional network cabling
- Plug and play solution, no additional software or server hardware required
- Ethernet, SNMP, SMTP, HTTPS, HTTP, NTP and PDF export
- Update via online interface or SD Card (locally)
- Low internal consumption (<3 W)
- Integrated memory for logging data for up to 5 years
- Two infeeds for monitoring the A and B supplies
- Local OLED display for status queries and commissioning

#	
329.3201	Including license for 10 BN2000 PLC PDUs   19" housing   without fan   2x3-phase/230V/400V



#### Further license options:

- License for 10 further BN2000 PLC PDUs
- License for 50 further BN2000 PLC PDUs
- License for 100 further BN2000 PLC PDUs
- License for reporting function | Automated reports and manual quick reports
- Licence for alarming function | Alerts for four individually definable threshold value settings of current strength, temperature and relative humidity

# BN2000 Inline PLC

Measurement per phase

Measurement per port

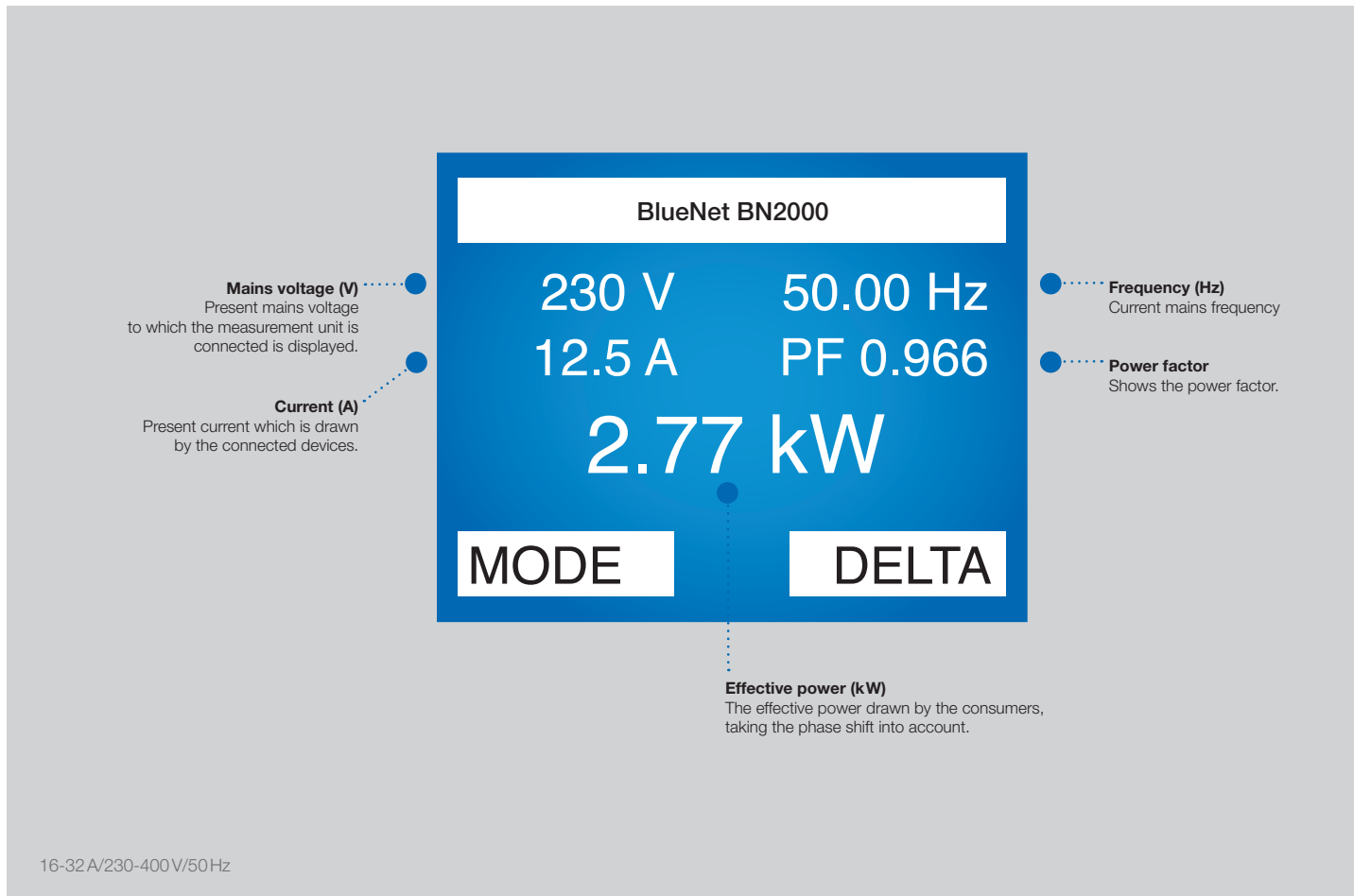
Switching

Sensors

## 16-32 A/230-400 V

#	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (WxHxD)
329.3060	1	230	16	3.7	232x104x102 mm
329.3061	3	400	16	11.0	232x104x102 mm
329.3062	1	230	32	7.4	232x104x102 mm
329.3063	3	400	32	22.1	232x104x102 mm





# BN2000

The BlueNet BN2000 is available in 1-phase and 3-phase versions with an output range of 3.6-22 kW. Colour-coded phase assignment for the socket outlets with earthing contact and the IEC60320 socket inserts simplifies the handling of the PDU, which is overall very compact with a 1 U profile (44 mm x 47 mm).

All in all, the BN2000 is impressively easy to use. Integrated current, power and energy measurement provides a clear overview of the capacity utilisation of your IT racks' power supply. An integrated temperature sensor ensures self-monitoring; two external sensors can be used to also monitor the temperature and air humidity in the IT racks by means of the BN2000 PDU. This can be operated locally on the TFT display and via the web browser using the Ethernet port.

The HTTP, SNMP, SNMP trap, Ethernet 10/100 Mbit/s, DHCP and NTP protocols can be used for communication.

## BENEFITS

- **Integrated Measurement per phase & in total for:**
  - **Current**
  - **Power (effective, apparent and reactive power)**
  - **Energy (effective, apparent and reactive energy)**
- **Additional meter for power and energy which can be reset**
- **Voltage, frequency, power factor, neutral conductor current**
- **Ethernet connection and integrated web server**
- **Integrated temperature sensor**
- **2 further sensors (temperature/temperature & air humidity) can be connected**
- **High-resolution TFT display, display can be rotated**
- **Measurement accuracy +/- 1%**
- **Internal consumption <1 W**

Measurement per phase 

Measurement per port 

Switching 

Sensors 

**3.0 m H05VV-F supply cable with CEE plug** | Including mounting kit

#	Cable length (m)	Plug	Phase(s)	C13	CEE 7/3	C19	C16A miniature circuit breaker	Outlets in total	Dimensions (WxHxD)
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**16A/230V**

329.3009	2	CEE 7/3	1		6			6	439x44x47 mm
329.3010	2	CEE 7/3	1	8				8	439x44x47 mm
329.3057	3	CEE	1	24		3*		30	1033x44x47 mm

**16A/400V**

329.3012	3	CEE	3	36	6			42	1758x44x47 mm
329.3013	3	CEE	3	36		6		42	1758x44x47 mm
329.3059	3	CEE	3	24		6*		30	1373x44x47 mm

**32A/230V**

329.3056	3	CEE	1	24		4*	2	28	1331x44x47 mm
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**32A/400V**

329.3058	3	CEE	3	24		6*	6	30	1883x44x47 mm
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# BN2000 Inline

Measurement per phase 

Measurement per port 


Switching 

Sensors 

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

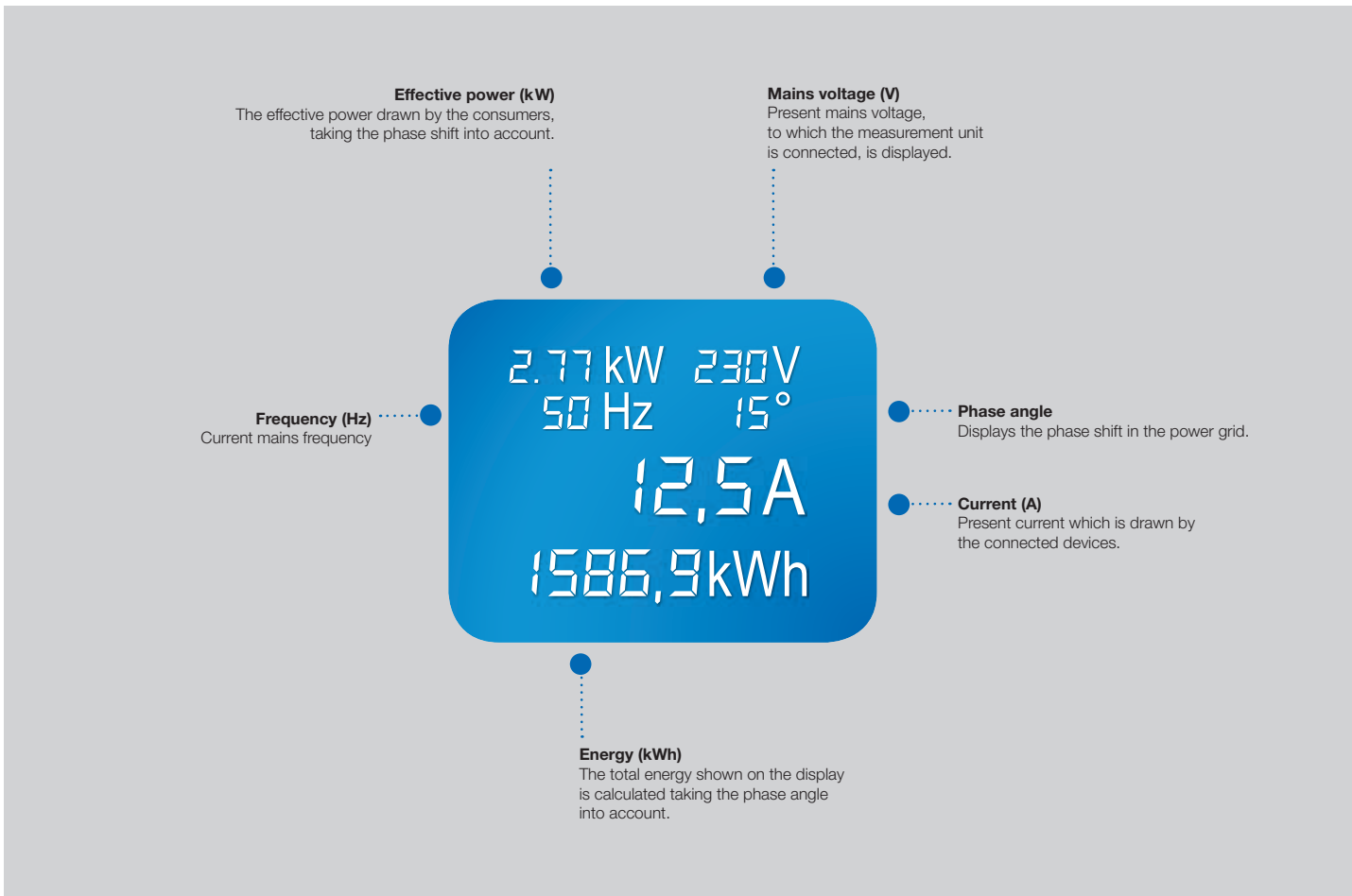
#	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (WxHxD)
329.3032	1	230	16	3.7	232x104x102 mm
329.3033	3	400	16	11.0	232x104x102 mm
329.3036	1	230	32	7.4	232x104x102 mm
329.3037	3	400	32	22.1	232x104x102 mm



 Variants with replaceable type 3 surge protection available on request.

\* With integrated IEC lock

Pictograms and their meanings can be found on page 319.



# BN0500

## BENEFITS

- **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)**
- **Measurement accuracy +/- 2%**
- **Optional type 3 surge protection with replaceable arrester module and fault signalling contact**



**19" BN0500 (16 A/230 V) | Incl. mounting brackets**

#	C13	C19	CEE 7/3	UTE	UK	T13	Outlets in total	Dimensions (WxHxD)
<b>2.0m H05VV-F 3G 1.5mm<sup>2</sup> with right-angled plug with earthing contact</b>								
800.2054			8				8	483x44x47 mm
800.2055	12						12	483x44x47 mm
800.2154		8					8	483x44x47 mm
800.2067				8			8	483x44x47 mm
<b>2.0m H05VV-F 3G 1.5mm<sup>2</sup> with UK plug</b>								
800.2068					6		6	483x44x47 mm
<b>2.0m H05VV-F 3G 1.5mm<sup>2</sup> with T23 plug</b>								
800.2063						7	7	483x44x47 mm

**BN0500 with CEE plug | Incl. mounting brackets**

#	C13	C19	CEE 7/3	Outlets in total	Dimensions (WxHxD)
<b>16A/230V   3.0m H05VV-F 3G 1.5mm<sup>2</sup></b>					
800.2395	16	4		20	746x44x47 mm
800.2396	16		4	20	746x44x47 mm
800.2135	24	4*		28	958x44x47 mm
<b>16A/400V   3.0m H05VV-F 5G 2.5mm<sup>2</sup></b>					
800.2398	18	3		21	978x44x47 mm
800.2399	18		3	21	978x44x47 mm
800.2400	24	6		30	1360x44x47 mm
800.2401	24		6	30	1360x44x47 mm
800.2402	24	6	6	36	1787x44x47 mm
800.2403	36	6		42	1616x44x47 mm
800.2404	36		6	42	1616x44x47 mm
<b>32A/230V   3.0m H05VV-F 3G 4mm<sup>2</sup></b>					
800.2405	16	4		20	916x44x47 mm
800.2406	16		4	20	916x44x47 mm
800.2407	24	4		28	1086x44x47 mm
<b>32A/400V   3.0m H05VV-F 3G 4mm<sup>2</sup></b>					
800.2408	24	6		30	1787x44x47 mm
800.2409	24		6	30	1787x44x47 mm
800.2410	36	6		42	2042x44x47 mm



800.2054

**i** Variants with replaceable type 3 surge protection available on request.



# IT PDU Basic 1 U

With its IT PDU Basic 1 U, BACHMANN provides a huge choice of PDUs in a high-quality aluminium profile. With their extremely compact design of just 1 height unit, 47 mm in depth and 19" in width, the PDUs can be easily integrated into your IT rack.

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

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

#### Versions available:

- Anodised profiles in black or grey
- End caps riveted or rewirable
- IEC60320 sockets
- Various socket and connector variants
- Illuminated 2-pole switch
- Locking of IEC60320 plugs
- Type 3 surge protection (optionally with replaceable surge arrester module and fault signalling contact)
- Mains and frequency filters
- Micro fuse
- 30 mA residual current device
- Miniature circuit breaker
- Master + slave function




**19" IT PDU Basic (230 V/50 Hz)** | Incl. mounting brackets

- Cable type: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>
- Phase(s): 1
- Nominal voltage: 230 V
- Current per phase: 16 A

#	Plug	B16A miniature circuit breaker	RCD 30mA	Thermal fuse rating in A	Switch	C13	With locking clips 940, 103	C19	CEE 7/3	Outlets in total	Profile colour
333.401	CEE 7/7								9	9	grey
333.506	CEE 7/7								9	9	black
333.400	CEE 7/7				•				8	8	grey
333.505	CEE 7/7				•				8	8	black
333.539	CEE 7/7					9				9	grey
333.616	CEE 7/7					12	•			12	grey
333.815	C20							8		8	grey
800.2332	C20					8		3		11	grey
800.2333	C20							3	6	9	grey
333.416	Connection terminal								8	8	grey
333.830	Connection terminal					12				12	grey
<b>With surge protection</b>											
333.404	CEE 7/7								8	8	grey
333.534	CEE 7/7								8	8	black
333.405	CEE 7/7				•				7	7	grey
333.535	CEE 7/7				•				7	7	black
<b>With replaceable surge protection</b>											
800.2949	CEE 7/7								5	5	grey
<b>With surge protection   Mains and frequency filters</b>											
333.402	CEE 7/7								6	6	grey
333.536	CEE 7/7								6	6	black
333.403	CEE 7/7				•				5	5	grey
333.537	CEE 7/7				•				5	5	black
<b>With mains and frequency filters</b>											
333.406	CEE 7/7								7	7	grey
<b>With fuse</b>											
333.411	CEE 7/7		•						6	6	grey
333.412	CEE 7/7	•							6	6	grey
333.408	CEE 7/7			10		8				8	grey
800.2331	CEE 7/7			10		12	•			12	grey
333.410	C14			10					8	8	grey
333.538	C14			10					8	8	black
333.540	C14			10		8				8	grey
800.2284	C14			10		12	•			12	grey



 Variants with replaceable type 3 overvoltage protection available on request.

For more 19" power strips >1 U, see from page 286.

**IT PDU Basic (230V/50 Hz) | Incl. mounting brackets**

- Cable type: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>
- Plug: CEE 7/7
- Phase(s): 1 | Current per phase: 16 A

#	CEE 7/3	Outlets Total	Dimensions (WxHxD)
333.413	12	12	565x44x47 mm

**10"**

333.417	3	3	208x44 x47 mm
333.0122	4	4	208x44 x47 mm

**With surge protection**

800.2334	12	12	608x44 x47 mm
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**19" IT PDU Basic Master + Slave (230V/50 Hz) | Incl. mounting brackets**

- Cable type: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>
- Automatically isolates the master unit and all slave units from the power grid once the master unit is shut down/switched off
- Automatically switches on master unit and all slave units once the master unit has been switched on
- Integrated LED indicates switching state

#	Plug	Phase(s)	Rated voltage (V)	Current per Phase (A)	CEE 7/3	Outlets Total
333.407	CEE 7/7	1	230	16	1+4	5



**19" fuse box (32A/400V/50 Hz) | Incl. mounting brackets**

- Cable type: 2.0 m H05VV-F 5G 4.0 mm<sup>2</sup>
- Space-saving option of splitting a 32 A / 00V infeed across two 16 A / 400V infeeds
- 6 x 16A miniature circuit breakers with characteristic C

#	Plug	Phase(s)	Rated voltage (V)	Current per phase (A)	Miniature circuit breaker	CEE	Outlets in total
800.0120	3xCEE 32A	3	400	32	6xC16	6 x 16A	6



**IT PDU Basic Inline | Incl. mounting brackets**

- Power input: 1.0 m H05VV-F with CEE plug
- Power output: 1.0 m H05VV-F with CEE coupling

Phase(s)	Voltage (V)	Current (A)	Cable type H05VV-F	Dimensions (WxHxD)
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**With surge protection**

800.2548	1	230	16	3G 2.5 mm <sup>2</sup>	217x44x47 mm
800.2638	1	230	32	3G 4 mm <sup>2</sup>	238x44x47 mm
800.2546	3	400	16	5G 2.5 mm <sup>2</sup>	343x44x47 mm
800.2960	3	400	32	5G 4 mm <sup>2</sup>	384x44x47 mm

**With replaceable surge protection and fault signalling contact | CITEL SPD type 3**

800.2621	1	230	16	3G 2.5 mm <sup>2</sup>	261x44x47 mm
800.2622	1	230	32	3G 4 mm <sup>2</sup>	261x44x47 mm
800.2522	3	400	16	5G 2.5 mm <sup>2</sup>	303x44x47 mm
800.2623	3	400	32	5G 4 mm <sup>2</sup>	303x44x47 mm



**19" IT PDU Basic Switzerland (230V/50 Hz)** | Incl. mounting brackets

· Phase(s): 1

#	Cable type H05VV-F	Cable length (m)	Plug	Current per phase (A)	Switch	Thermal fuse (A)	T13	T23	Outlets in total
800.1259	3G 1.0mm <sup>2</sup>	2.0	T12	10		10	8		8
800.1262	3G 1.5mm <sup>2</sup>	3.0	T23	16				8	8
800.1263	3G 1.0mm <sup>2</sup>	2.0	T12	10	●	10	7		7
800.1264	3G 1.5mm <sup>2</sup>	3.0	T23	16	●			7	7
<b>With surge protection</b>									
800.1260	3G 1.0mm <sup>2</sup>	2.0	T12	10		10	7		7
800.1258	3G 1.5mm <sup>2</sup>	3.0	T23	16				7	7
<b>With surge protection   Mains and frequency filters</b>									
800.1261	3G 1.0mm <sup>2</sup>	2.0	T12	16		10	5		5
800.1265	3G 1.5mm <sup>2</sup>	3.0	T23	16				5	5



**19" IT PDU Basic UK (230V/50 Hz)** | Incl. mounting brackets

· Phase(s): 1

#	Cable type H05VV-F	Cable length (m)	Plug	Current per phase (A)	Switch	UK	Outlets in total
333.804	3G 1.5mm <sup>2</sup>	2.0	UK	13		7	7
333.805	3G 1.5mm <sup>2</sup>	2.0	UK	13	●	6	6



**19" IT PDU Basic France (230V/50 Hz)** | Incl. mounting brackets


· Cable type: 2.0 m H05VV-F 3G 1.50mm<sup>2</sup>

· Phase(s): 1

· Current per phase: 16 A

#	Plug	Miniature circuit breaker	RCD 30mA	Switch	UTE	Outlets in total
333.418	CEE 7/7				9	9
333.819	Connection terminal				8	8
333.419	CEE 7/7			●	8	8
<b>With surge protection</b>						
333.4061	CEE 7/7				8	8
333.838	CEE 7/7			●	7	7
<b>With surge protection   Mains and frequency filters</b>						
333.4063	CEE 7/7				6	6
333.840	CEE 7/7			●	5	5
<b>With fuse</b>						
333.4065	CEE 7/7		●		6	6
333.4066	CEE 7/7	B16			6	6



 Variants with replaceable type 3 surge protection available on request.



# IT PDU Basic 1 U Vertical

**For future-proofed, highly efficient power distribution in data centres, server racks and network racks.**

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.

## BENEFITS

- **Space-saving integration of PDU into the server rack with scope for modular add-ons**
- **High-quality and very robust aluminium profile**
- **Phases identified by colour**
- **PDU with single or double infeed to increase performance or to create redundancies, up to 96A per PDU**
- **Customised and country-specific solutions in series quality on request**



### IEC60320 C19 with IEC Lock

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

### IEC60320 C13, lockable

Two locking clips to secure two connection cables. IEC60320 C13 with IEC Lock available as an option.



**Power distribution units** | Incl. mounting brackets

#	Cable type H05VV-F-	Cable length (m)	Plug	Phase(s)	Miniature circuit breaker C16A	C13	with locking clips 940.103	C19	CEE 7/3	Outlets in total	Dimensions (WxHxD) (mm)
<b>16 A/230V/50Hz</b>											
800.1657	3G 2.5 mm <sup>2</sup>	3	CEE	1		24	●	3*		27	1075x44x47
800.2335	3G 2.5 mm <sup>2</sup>	3	CEE	1		16			4	20	735x44x47
<b>19"   16 A/400V/50Hz</b>											
800.0111	5G 2.5 mm <sup>2</sup>	3	CEE	3				6*		6	483x44x47
<b>16 A/400V/50Hz</b>											
800.0104	5G 2.5 mm <sup>2</sup>	3	CEE	3		18		3*		21	821x44x47
800.0105	5G 2.5 mm <sup>2</sup>	3	CEE	3		18				18	821x44x47
800.0107	5G 2.5 mm <sup>2</sup>	3	CEE	3					15	15	821x44x47
800.0109	5G 2.5 mm <sup>2</sup>	3	CEE	3		12			6	18	821x44x47
800.1656	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		3*		27	1075x44x47
800.0113	2x 5G 2.5 mm <sup>2</sup>	2x3	2x WEF**	6		36			12	48	1840x44x47
800.0114	2x 5G 2.5 mm <sup>2</sup>	2x3	2x WEF**	6		48				48	1840x44x47
800.2337	5G 2.5 mm <sup>2</sup>	3	CEE	3		18			3	21	734x44x47
800.2282	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		6		30	1116x44x47
800.2339	5G 2.5 mm <sup>2</sup>	3	CEE	3		24			6	30	1203x44x47
800.2283	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		6	6	36	1457x44x47
800.1453	5G 2.5 mm <sup>2</sup>	3	CEE	3		36		6	6	48	1713x44x47
800.2341	5G 2.5 mm <sup>2</sup>	3	CEE	3		36		6		42	1457x44x47
800.2342	5G 2.5 mm <sup>2</sup>	3	CEE	3		36			6	42	1458x44x47
<b>32 A/230V/50Hz</b>											
800.0119	3G 4 mm <sup>2</sup>	3	CEE	1	2	20				20	778x44x47
800.2336	3G 4 mm <sup>2</sup>	3	CEE	1	2	24		4		28	1119x44x47
<b>32 A/400V/50Hz</b>											
800.0100	5G 4 mm <sup>2</sup>	3	CEE	3	6			12*		12	1075x44x47
800.0101	5G 4 mm <sup>2</sup>	3	CEE	3	6			6*		6	820x44x47
800.0102	5G 4 mm <sup>2</sup>	3	CEE	3	6	36				36	1586x44x47
800.2338	5G 4 mm <sup>2</sup>	3	CEE	3	6	24		6		30	1586x44x47
800.2340	5G 4 mm <sup>2</sup>	3	CEE	3	6	24			6	30	1586x44x47



**i** Variants with replaceable type 3 surge protection available on request.

For suitable **IEC60320 extension cables** and **earthing contact plug connection cables** available in grey/black to distinguish from power supply (A/B), see pages 72, 78 and 79.

\* C19 with IEC lock

\*\* WEF = wire end ferrules

Pictograms and their meanings can be found on page 319.

# IT PDU Basic >1 U ALU

## Power distribution units

- Torsionally rigid profile > 1 U (52 mm), profile depth 44 mm
- Modular socket design
- Standard socket colour white; other colours black, yellow, red, brown, blue and green also available
- Optionally with illuminated 2-pole switch
- High-quality electronic components built in, e.g. type 3 surge protection, mains and frequency filters
- End caps riveted and not openable

## 19" PDU >1 U ALU (230V/50 Hz) | Incl. mounting brackets

- Power input: 2.0 m, H05VV-F 3G 1.50 mm<sup>2</sup> | Grey | With moulded right-angled plug with earthing contact and with dual earthing contact system
- Phase(s): 1
- Current per phase: 16 A
- Set at 35°

#	Switch	CEE 7/3	Outlets in total	Dimensions (WxHxD)
333.001		8	8	440x52x44 mm
333.000	●	7	7	440x52x44 mm
<b>With surge protection</b>				
333.004		7	7	440x52x44 mm
333.005	●	6	6	440x52x44 mm
<b>With surge protection   Mains and frequency filters</b>				
333.002		5	5	440x52x44 mm
331.0202	●	4	4	440x52x44 mm



# IT PDU Basic >1 U PVC

## Power distribution units

- Torsionally rigid profile > 1 U (52 mm) in high-quality PVC, profile depth 44 mm
- Optionally with illuminated 2-pole switch
- Light grey colour similar to RAL7035
- High-quality integrated electronic components, e.g. type 3 surge protection, mains and frequency filters
- End caps riveted and not openable

## 19" PDU >1 U PVC (230V/50 Hz) | Incl. mounting brackets

- Power input: 2.0 m, H05VV-F 3G 1.50 mm<sup>2</sup> | Grey | With moulded right-angled plug with earthing contact and with dual earthing contact system
- Phase(s): 1
- Current per phase: 16 A
- Set at 35°

#	Switch	CEE 7/3	Outlets in total	Dimensions (WxHxD)
333.601		8	8	440x52x44 mm
333.600	•	7	7	440x52x44 mm
<b>With surge protection</b>				
333.604		7	7	440x52x44 mm
333.605	•	6	6	440x52x44 mm



## Stainless steel mounting bracket



Fitted at various heights and angles by fastening in the slots of the end cap.

# Accessories

## BlueNet BN2000/BN2000 PLC

#	
329.3102	Temperature sensor   2.00m cable
329.3104	Combination temperature and air humidity sensor   2.00m cable



329.3102



329.3104

## BlueNet BN3000 – BN7500 sensors

#	
802.0100	GPIO Module (see page 259)



802.0100

### Including 2.0m CAT 5e supply cable with RJ45 plug on both ends

802.0101	Temperature sensor
802.0102	Combination temperature and air humidity sensor




802.0101



802.0102

## Plug interlocks

#	
940.103	Locking clips C13, 2-way   Red   Set for 12 C13 outlets
802.0010	Interlock C13/C19 universal height (6 units)
940.191	SecureSleeve C14   Red   6 units
940.192	SecureSleeve C14   Black   6 units
940.193	SecureSleeve C20   Red   6 units
940.194	SecureSleeve C20   Black   6 units



940.103


802.0010



940.191

940.192

## Locking caps IEC60320 C13 & C19

#	
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



800.0050

800.0051



800.0052

## Spare module for replaceable surge protection

#	
800.2983	CITEL DSM 215-230/G, 2-pole
800.2969	CITEL DSM 415-230/G, 4-pole



800.2983




800.2969



### Mounting kits for IT PDUs

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


#	
940.142	Mounting brackets left and right (1 U)
940.096	Mounting brackets left and right (>1 U)

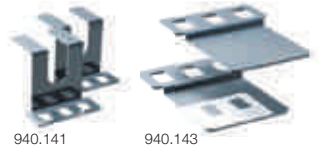


940.142

### Mounting brackets for vertical/universal mounting profile variants

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

#	
940.141	Mounting brackets left and right (1 U)
940.143	Mounting brackets left and right (1 U) for vertical mounting
800.0053	Link for connecting two vertically mounted PDUs (1 U)




940.141

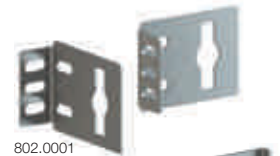
940.143



800.0053

### Replacement mounting accessories (BN3000 – BN7500)

#	
802.0001	Universal mounting kit
802.0002	Mounting kit, rear
802.0003	Mounting kit, side
802.0005	Universal mounting kit with double holder



802.0001



802.0002



802.0003



802.0005

### Mounting options



802.0001



802.0002

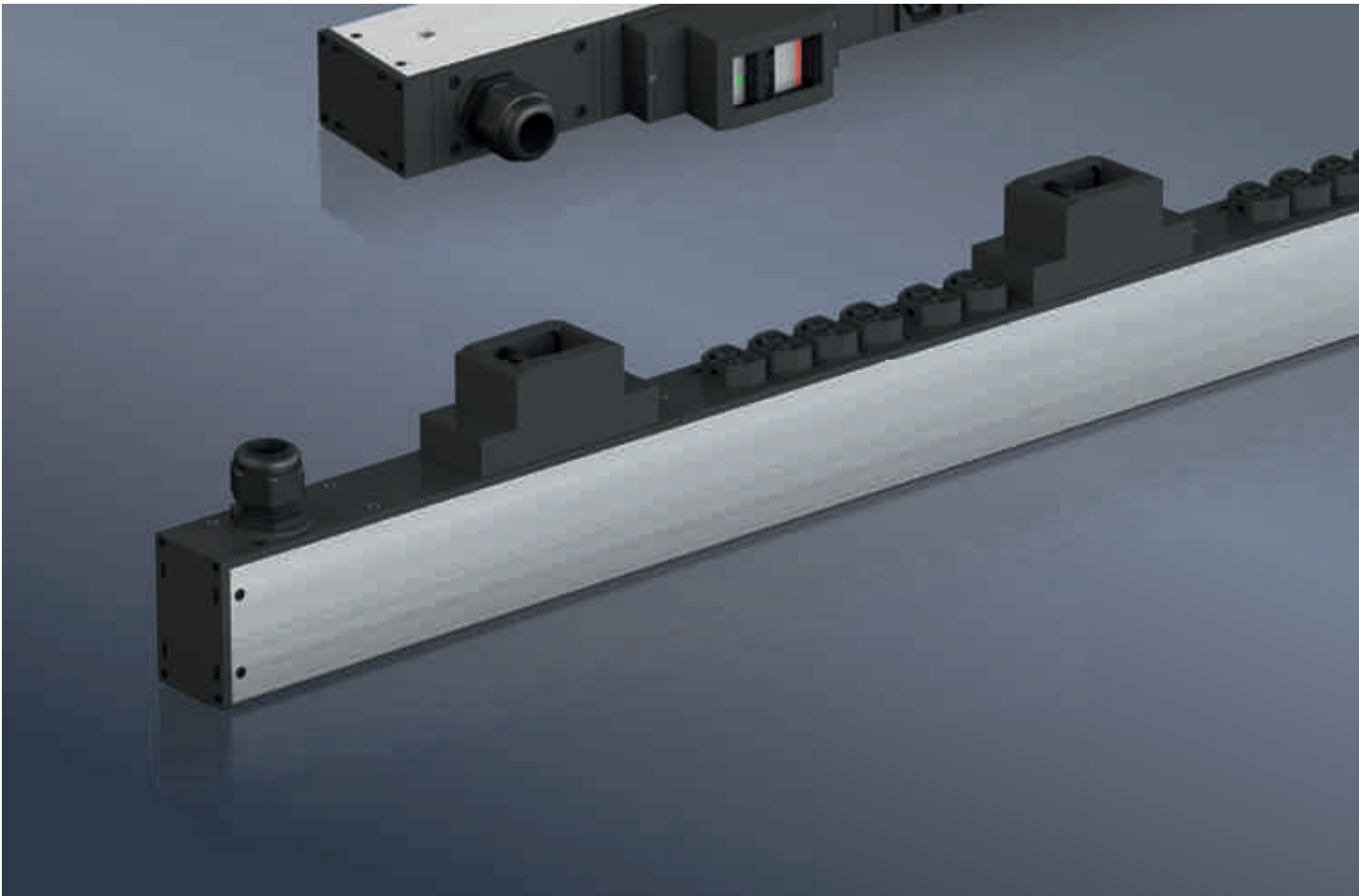


802.0003



802.0005

For suitable **IEC60320 extension cables** and **earthing contact plug connection cables** available in grey/black to distinguish from power supply (A/B), see pages 72, 78 and 79.



# 380 VDC direct current PDUs

Due to their power density, data centres rank alongside heavy industry as a large-scale consumer of electrical energy. It is therefore essential to save energy and use renewable energies.

In order to make efficient use of renewable energies, one must consider the entire energy chain in the data centre, from the grid operator to various distributions and all the way through to the devices. One promising solution here is the extensive use of 380 VDC voltage, since photovoltaic systems, energy stores and IT devices can all be operated with a DC voltage.

Today, modern power electronics offer extensive possibilities of transforming direct current (DC) virtually without loss, thus substantially enhancing the efficiency of power transmission and conversion. Just one of the benefits of this method is that the photovoltaic

energy generated can be fed into the DC link by UPS systems provided specifically for that purpose and used directly. Endless conversion chains from AC to DC and vice versa can therefore be eliminated, saving costs amounting to 5 – 10% of a data centre's total energy requirements.

As a driver of innovation, we have set ourselves the goal of helping to shape this shift to more energy-efficient data centres. We are actively participating in the DKE/VDE and IEC standardisation committees to establish direct current as the technology of the future for the power supply in data centres. At the same time, we are currently looking into the options for creating a PDU series based on 380 VDC.

### 380 VDC PDU Basic

· Input max. 400 VDC/30 A

#	Outputs	Interlock	ABB miniature circuit breaker (Rated short-circuit capacity 10 kA)
<b>APP Saf-D-Grid® outputs</b>			
832.0001	18	•	3 x 10A
832.0002	24	•	4 x 8A

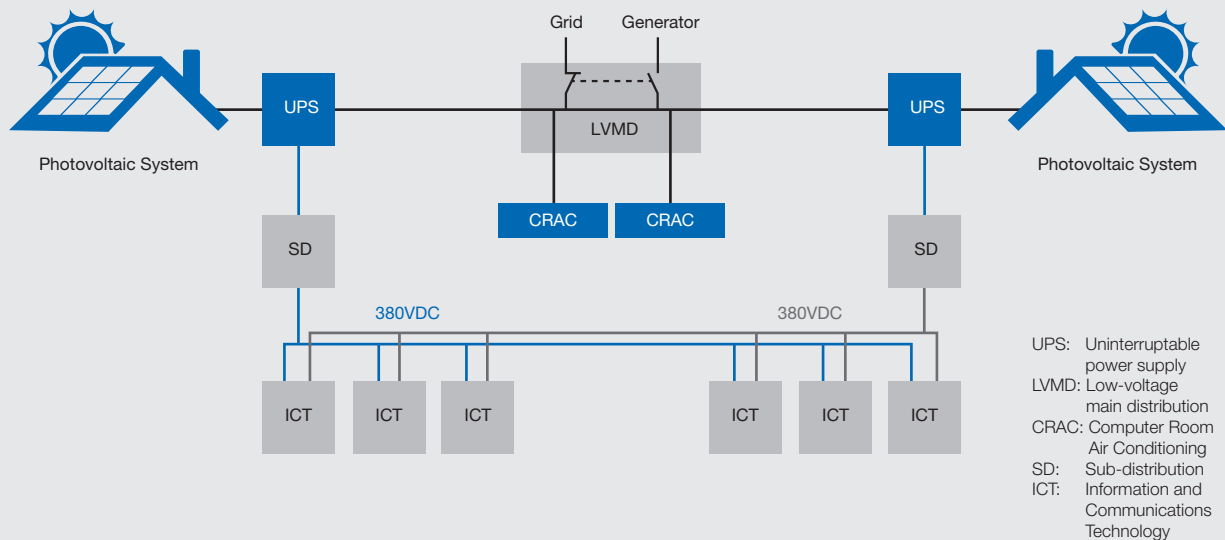


832.0001

### Accessories

#	
341.217	<b>380VDC connection cable APP / APP Saf-D-Grid®</b> S1 = PDU = APP plug (with interlock function)   S2 = PSU = APP plug (with interlock function)   14 AWG ST UL 600V 90C   Maximum current: 24 A   Length 2.0m

## Power distribution in data centres based on renewable energies and the use of 380VDC voltage



Other designs on request.

# Glossary

## 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 computer centres. As a rule, the panels have a height of 1 height unit (1 U) with a specified height of 1.75" = 44.5 mm.

## 19-inch panel (19")

A mounting frame with a standardised width of 19" = 482.6 mm, with holes for bolting to 19" racks. Frequently used for events equipment, media and laboratory systems and in computer centres. As a rule, the panels have a height of 1 height unit (1 U) with a specified height of 1.75" = 44.5 mm.

## 4-key keypad

Programmable illuminated buttons for controlling devices and media.

## Audio jack or tip-ring-sleeve (TRS) connector

Internationally accepted electrical plug connector for transmitting AC or DC in the low-voltage (SELV – safety extra-low voltage) range. Jack plugs, sockets and couplings are used most typically for forwarding audio signals or for connecting a small electronic appliance to a power supply unit, for example. Jack plugs are often used for connecting headphones to audio equipment. Versions available: **3.5 mm (miniature jack)** for portable devices (MP3 players, Discmans etc.), sound cards and small headphones. **6.35 mm (jack)** for stereo systems and electronic music equipment (mixing desks, effects units, synthesisers, keyboards, electric pianos, electric guitars and guitar amplifiers).

## Bandwidth

The difference between two frequencies that form the limits of a specific, unbroken frequency range between them.

## Blank

Function in video output devices of switching to a black still frame.

## BNC plug connectors – Bayonet Neill Concelman

are coaxial plug 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 75Ω (interchangeable). They are used chiefly in radio and video systems. The BNC design has, however, also been used for transmitting weak DC and low-frequency AC signals and pulses in laboratory applications because of the shielding of the outer conductor from electrical interference. The coaxial construction thus provides protection against external electric fields. For this reason, connections to measuring devices such as oscilloscopes, frequency counters and function generators generally use BNC-type cables.

## Button: automatic switch-off

Power strips that feature an automatic switch-off device are used to automatically switch off the power to the connected equipment. Pressing the button subsequently restores the power supply to the equipment connected to the automatic switch-off.

## Button: stainless steel

For connecting by the user to control equipment and media

## Button

Illuminated blue, various types (e.g. changeover switch). Rocker buttons are used for up/down control of external devices, e.g. screen, blinds etc.

## 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	1000	

The difference between category and class is that the individual components such as cable, socket, connector etc. are graded into categories. The overall performance of the sum of these components, i.e. of the complete data network, is referred to as the class. The class of the network as a whole is thus determined by the weakest component. Example: CAT6 cable and plug are connected to a CAT5e socket, the overall network therefore attains only class D. A distinction is made in data connection equipment between shielded and unshielded components. Worldwide,

unshielded versions are most commonly used; however, almost 100% of cabling in Germany is shielded. The currently applicable standard for this area of data connection technology is summarised in EN 50173.

## Cinch (RCA)

For non-standardised plug connectors for transmitting electrical signals, primarily on coaxial cables. Colour code: Audio white = left analogue channel (sometimes also black); Audio red = right analogue channel; Orange = digital audio; Video yellow = composite video, analogue unmodulated TV picture signal in baseband (VBS or CVBS); Video green = Y (brightness); Video blue = Pb (colour difference); Video red = Pr (colour difference)

## Coaxial cable (COAX)

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)**

## Controller

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 where two computers are connected together directly, for example. Instead of a crossover cable, an uncrossed cable can also be used in conjunction with a crossover adapter to obtain the required crossing of wire pairs. The simplest possible use of a crossover cable is to link two computers with network cards without necessarily requiring a hub or switch. The two computers connected in this way 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 swapped 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 created.

## CVBS

See **Cinch (RCA)**

## DisplayPort

A port for conveying image and sound signals (e.g. monitor, DVD player, plasma TV etc.)

**DVB-C** offers more channels – theoretically up to 500.

However, a paid-for cable connection is required to receive the signal. Commercial broadcasters using the digital cable network usually encrypt the signal, which then requires a smart card from the network operator to decode.

**DVB-T** allows up to 24 TV channels to be received via a conventional domestic TV antenna. The channels are broadcast without encryption and are therefore free of charge. So far, commercial broadcasters have only used DVB-T in urban areas.

## DVB – Digital Video Broadcasting

By 2010, all radio and TV channels in Germany are expected to be transmitted via DVB ("Digital Video Broadcasting"). The transmission paths available are terrestrial frequencies (DVB-T), cable (DVB-C) and satellite (DVB-S). A mobile radio standard (DVB-H) is still at the testing stage. In all cases, a special receiver is required to receive the signal.

## DVI – Digital Video Interface

A digital interface for video signals. In this system, the sound has a separate input. The high-definition (HD) formats use the new HDMI input, however. There are three different types of digital video interface connection:

**DVI-A** transmits analogue signals only.

**DVI-I** is capable of transmitting both analogue and digital signals.

**DVI-D** transmits digital signals only. If the new TFT monitor has a DVI-D interface, the old graphics card with analogue VGA output cannot be connected to it.

## Ethernet

A protocol that controls data transfer in local area networks (LANs). This transmission standard was developed by the Californian Xerox corporation in 1976.

## F-plug-connectors

(IEC 60169-24) are coaxial plug connectors with screw locking designed for high frequencies up to about 5 GHz with a defined wave impedance of 75 Ω. The most commonly used plug connector in satellite television systems worldwide.

## FireWire

The FireWire interface is used for rapid data exchange between a computer and multimedia or other peripheral devices. Thanks to its high transfer rate, FireWire can also be used as an alternative to Ethernet (IP over FireWire).

## Full-HD TV

Full-HD models offer TV and video images with 1920 x 1080 pixels – currently the highest pixel number in HDTV broadcasts or high-definition feeds. This picture quality represents five times the resolution of conventional TV pictures. Even when observed close up, the viewer cannot see any kind of pixel structure. Video projections benefit in particular from full-HD resolution. The term is mostly used to describe the ability of an HDTV-capable device to output the highest possible HD resolution.

## Hardware detect

Automatic detection of incoming signals, e.g. if a laptop is connected to an output device while switched on, the output device automatically recognises this newly-connected device.

## HDMI – High Definition Multimedia Interface

Interface for transmitting picture and sound data 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)

is a quality standard for audio playback equipment.

## Hosiden

See **S-video**.

## Impedance

Impedance, sometimes also known as AC resistance, states the ratio of electrical voltage across a consumer (component, cable etc.) to the current drawn. Impedance is important when matching high-frequency cables and also in the transmission of electromagnetic waves in free space. If, for example, the input impedance of a device does not match that of the incoming cable, reflections occur that reduce the energy transmitted and this may result in resonance effects and thus a non-linear frequency response.

## ISDN – Integrated Services Digital Network

International standard for a digital telephone network. Allows multiple channels to transmit simultaneously. A basic ISDN connection offers the user two independently available channels for telephone or Internet. The bandwidth is 64 kb/s.

## Keystone

Universal installation dimensions (19.3 x 14.7 mm) for cut-outs for mounting components.

## KNX

KNX technology resulted from the confluence of three established European bus standards, the European Installation Bus (EIB), the European Home Systems Protocol (EHS) and Batibus (used in heating/ventilation/climate control) to create a unified technological platform for all areas of home and building systems in the form of an international industry standard. KNX allows central control of practically all components of home and building systems technology, from lighting and heating to alarm systems, and offers advantages of convenience, security and economy for functional buildings as well as in residential settings. The KNX specification was presented by the then newly founded KNX Association in spring 2002. Based on the EIB standard, with which the new technology platform remains fully compatible, KNX emerged from the addition of 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 13321-1 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 wirelessly over a restricted physical area.

#### LC

This plug is similar to the SC but smaller.

#### Loudspeaker connection

Stereo (red + white) with screw terminals for transmitting audio signals.

#### Media control

Control of video, power, lighting and audio systems in a building. Sound, light and video are controlled by appropriate commands. Media control allows all the devices to be used in a presentation to be linked and controlled in the desired time sequence.

#### Miniature jack

A 3.5 mm jack socket for transmitting 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 accommodates 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 plug connectors for transmitting optical signals in the visible, ultraviolet or infra-red ranges. Fibre-optic cables form a reasonably pliable medium for transmitting optical signals or even higher-powered optical radiation.

#### PAL – Phase Alternating Line

The conventional television standard in Europe for analogue TV signals with a resolution of 720 x 576 pixels.

#### Potential-free contact

Used for communicating a status between electrical devices. Contact is normally established via a relay or optical coupler. This ensures that the electric circuits of the respective devices remain electrically isolated from one another. This solution is the simplest and safest method for transmitting digital data electrically, for example.

#### Power Con

A type of 3-pole power connector with coding and interlocking, most frequently used for stage equipment. The interlock mechanism protects against the plug being accidentally pulled out of its socket.

**PS/2 interface (PS/2 connection, PS/2 port, originally "auxiliary port").** Commonly used 6-pole serial interface for input devices (e.g. mouse and keyboard) on personal computers.

#### RCA

See **Cinch (RCA)**

#### RGB signal

In an 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 designs 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 **(Registered Jack) plug connectors**

#### Router

A device that forwards data packets through various networks. The router serves to calculate the connections between, for example, two local networks (LANs) and automatically establishes the optimum path for the data packets.

#### RS-232

Serial interface standard with 25-pole or 9-pole connector for serial data transmission. Also known as V.24. Both one-to-one pinouts and crossover configurations are commonly used.

#### S-VHS – Super Video Home System

An improved, downward-compatible VHS standard for home video-band recording that offers better picture resolution and greater colour accuracy. Horizontal image resolution is some 2/3 better than in VHS. S-VHS is a standard, not a connector. The S-VHS standard signal may however be transmitted via the S-video (Hosiden) connector.

#### S-video/Super Video system

S-video, also known as the Y/C process, designates a special analogue video signal process in which the "luminance" (brightness) information is transmitted and processed separately from the "chrominance" (colour information). An example application of S-video is in VHS video recorders.

#### SC

An optical connector used in new LAN installations. The right-angled design can be used for multi-mode and single-mode 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 plugs linked by a duplex clip) and duplex connections can be inserted or removed simultaneously.

#### Speakon

A plug connector designed for loudspeakers, offering a robust construction, a 20A 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 design. The number of contacts available in a single plug 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.

#### Surge protection with filter

Surge 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 (micro fuse on request) with varistors, thermal fuse, gas discharge arrester, optical LED function and failure display (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.

#### 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 transmitting 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 being operated 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 connectors. 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.

# International socket types

## M-earthing contact | Germany/type F

**Output:** 16 A/250 V max. 3680 W  
**Standard:** DIN VDE 0620-1/construction type DIN 49440/CEE 7/3  
**Colour:** black, red, white, grey  
**Orientation:** set at 35° or 90°

**Module width:** 42.5 mm  
 With shutter



## M-UTE | France/type E

**Output:** 16 A/250 V max. 3680 W  
**Standard:** NF C 61-314/CEE 7/5  
**Colour:** black, red, white, grey  
**Orientation:** set at 35°

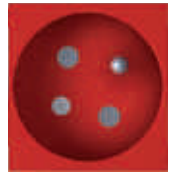
**Module width:** 42.5 mm  
 With shutter



## M-UTE IT | France/type E

**Output:** 16 A/250 V max. 3680 W  
**Standard:** NF C 61-314/CEE 7/5  
**Colour:** red  
**Orientation:** set at 35°

**Module width:** 42.5 mm  
 With shutter  
 With additional mechanical plug-in fuse



## M-CH T13 | Switzerland/type J

**Output:** 10 A/250 V max. 2500 W  
**Standard:** SEV 1011  
**Colour:** black, red  
**Orientation:** set at 0°

**Module width:** 35 mm  
 With shutter



## M-CH T23 | Switzerland/type J

**Output:** 16 A/250 V max. 3680 W  
**Standard:** SEV 1011  
**Colour:** black, red  
**Orientation:** set at 90°

**Module width:** 42.5 mm  
 With shutter



## M-USA | USA/type B

**Output:** 15 A/125 V  
**Standard:** NEMA 5-15r  
**Colour:** black  
**Orientation:** set at 0°

**Module width:** 32 mm



## M-UK FUSE | UK/type G

**Output:** 13 A/250 V max. 3200 W  
 (depends on fuse)  
**Standard:** BS 1363/fuse in accordance with BS 1362  
**Colour:** black

**Orientation:** set at 45° or 90°  
**Module width:** 54 mm  
 With shutter



**M-UK** | UK/type G

**Output:** 13A/250V max. 3200W  
**Standard:** BS 1363  
**Colour:** black  
**Orientation:** set at 90°

**Module width:** 54 mm  
 With shutter



**M-P40** | Italy / type L/F

**Output:** 10(16)A/250V max. 2500(3680)W  
**Standard:** CEI 23-50  
**Colour:** black  
**Orientation:** set at 35°

**Module width:** 45 mm  
 With shutter



**M-AUS** | Australia/type I

**Output:** 10A/250V max. 2500W  
**Standard:** AS/NZS 3112  
**Colour:** black  
**Orientation:** set at 90°

**Module width:** 44.8 mm



**M-CN** | China/type I

**Output:** 10A/250V max. 2500W  
**Standard:** CPCS-CCC  
**Colour:** black  
**Orientation:** set at 90°

**Module width:** 42.5 mm



**M-DK** | Denmark/type K

**Output:** 10A/250V max. 2500W  
**Standard:** DS 107-2-D1  
**Colour:** black  
**Orientation:** set at 35°

**Module width:** 42.5 mm  
 With shutter



**M-DK IT** | Denmark/type K

**Output:** 10A/250V max. 2500W  
**Standard:** DK 2-5a (DK IT)  
**Colour:** black  
**Orientation:** set at 35°

**Module width:** 42.5 mm  
 With shutter



**M-IEC C13**

**Output:** 10A/250V max. 2500W  
**Standard:** IEC 60320  
**Colour:** black  
**Orientation:** set at 90°

**Module width:** 42.5 mm



**M-IEC C19**

**Output:** 16A/250V max. 3680W  
**Standard:** IEC 60320  
**Colour:** black  
**Orientation:** set at 90°

**Module width:** 42.5 mm



# International plug types

The following plug types are in part also available as mounting variants from page 59 onwards, or are custom-made with a cable. We will be happy to advise you.

## Right-angled plug with earthing contact | CEE 7/7 (type E/F)

**BACHMANN type:** type 30  
With dual earthing contact system

**Suitable for (e.g.):**  
H03VV-F 3G 0.75 mm<sup>2</sup>      H05VV-F 3G 1.50 mm<sup>2</sup>  
H05VV-F 3G 0.75 mm<sup>2</sup>      H07BQ-F 3G 1.50 mm<sup>2</sup>  
H05VV-F 3G 1.00 mm<sup>2</sup>      H05BQ-F 3G 0.75 mm<sup>2</sup>



## Central plug with earthing contact | CEE 7/7 (type E/F)

**BACHMANN type:** type 31  
With dual earthing contact system

**Suitable for (e.g.):**  
H03VV-F 3G 0.75 mm<sup>2</sup>      05RV4-F 3G 0.75 mm<sup>2</sup>  
H05VV-F 3G 1.00 mm<sup>2</sup>      H03V4V4-H 3G 1.00 mm<sup>2</sup>  
H05VV-F 3G 1.50 mm<sup>2</sup>      H03RT-H 3G 0.75 mm<sup>2</sup>



**BACHMANN type:** type 32  
With dual earthing contact system  
Splash-proof

**Suitable for (e.g.):**  
H05VV-F 3G 1.50 mm<sup>2</sup>      H07RN-F 3G 1.50 mm<sup>2</sup>  
H05RR-F 3G 0.75 mm<sup>2</sup>      H07BQ-F 3G 1.50 mm<sup>2</sup>  
H05RR-F 3G 1.50 mm<sup>2</sup>      H07RN-F 3G 2.50 mm<sup>2</sup>  
H07RN-F 3G 1.00 mm<sup>2</sup>



## Coupling with earthing contact | CEE 7/3 (type F)

**BACHMANN type:** type 34

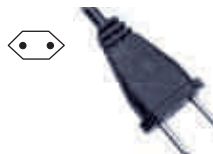
**Suitable for (e.g.):**  
H05VV-F3G 1.00 mm<sup>2</sup>      H07RN-F 3G 1.00 mm<sup>2</sup>  
H05VV-F 3G 1.50 mm<sup>2</sup>      H07RN-F 3G 1.50 mm<sup>2</sup>  
H05VV-F 3G 2.50 mm<sup>2</sup>



## Swiss plug | SEV 1011 T11 (type J)

**BACHMANN type:** type 11, 10A  
2-pole

**Suitable for (e.g.):**  
H03VVH2-F 2x 0.75 mm<sup>2</sup>  
H05VVH2-F 2x 1.0 mm<sup>2</sup>  
H05VV-F 2x 1.00 mm<sup>2</sup>



## Swiss plug | SEV 1011 T12 (type J)

**BACHMANN type:** type 12, 10A  
2-pole with earthing contact

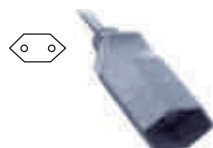
**Suitable for (e.g.):**  
H05VV-F 3G 1.00 mm<sup>2</sup>  
H05VV-F 3G 1.50 mm<sup>2</sup>



## Swiss coupling | SEV 1011 T11 (type J)

**BACHMANN type:** Type 11 D  
2-pole

**Suitable for (e.g.):**  
H03VVH2-F 2x 0.75 mm<sup>2</sup>  
H03VV-F 2x 0.75 mm<sup>2</sup>  
H05VV-F 2x 1.00 mm<sup>2</sup>



For international mounting plugs and couplings, see page 57 onwards.



**Swiss plug** | SEV 1011 T23 (type J)

**BACHMANN type:** type 23, 10A/16A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F 3G 1.00 mm<sup>2</sup>  
H05VV-F 3G 1.50 mm<sup>2</sup>



**Plug with protection class 0** | CEE 7/2 (type C)

**BACHMANN type:** type 44  
2-pole

**Suitable for (e.g.):**  
H03VVH2-2x 0.75 mm<sup>2</sup>      H05VV-F 2x 1.00 mm<sup>2</sup>  
H05VV-F 2x 0.75 mm<sup>2</sup>      H05VV-F 2x 1.50 mm<sup>2</sup>



**UK plug** | BS 1363 (type G)

**BACHMANN type:** type 45-2, 13A  
2-pole  
Moulded with 13 A fuse

**Suitable for (e.g.):**  
H03VVH2-2x 0.75 mm<sup>2</sup>      H05VV-F 2x 0.75 mm<sup>2</sup>  
H05VVH2-2x 0.75 mm<sup>2</sup>      H05VV-F 2x 1.00 mm<sup>2</sup>  
H03VV-F 2x 0.75 mm<sup>2</sup>



**BACHMANN type:** type 45, 13A  
2-pole with earthing contact  
Moulded with 13 A fuse

**Suitable for (e.g.):**  
H03VV-F 3G 0.75 mm<sup>2</sup>      H05VV-F 3G 1.00 mm<sup>2</sup>  
H05VV-F 3G 0.75 mm<sup>2</sup>      H05VV-F 3G 1.50 mm<sup>2</sup>



**USA plug UL/CSA** | NEMA 1-15p (type A)

**BACHMANN type:** Type 46-2  
2-pole

**Cable types to suit your requirements.**



**USA plug UL/CSA** | NEMA 5-15p (type B)

**BACHMANN type:** type 46  
2-pole with earthing contact

**Cable types to suit your requirements.**



**Italy plug** | CEI 23-50 S11 (type L)

**BACHMANN type:** type 49, 10A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 0.75 mm<sup>2</sup>  
H05VV-F3G 1.00 mm<sup>2</sup>



**Italy plug** | CEI 23-50 S17 (type L)

**BACHMANN type:** type 50, 16 A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 1.50 mm<sup>2</sup>



**Denmark plug** | DS 107-2D1 (type K)

**BACHMANN type:** type 47, 10 A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 0.75 mm<sup>2</sup>  
H05VV-F3G 1.00 mm<sup>2</sup>  
H05VV-F3G 1.50 mm<sup>2</sup>



**Denmark right-angled plug** | DS 107-2D1 (type K)

**BACHMANN type:** type 47W, 10 A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 0.75 mm<sup>2</sup>  
H05VV-F3G 1.00 mm<sup>2</sup>  
H05VV-F3G 1.50 mm<sup>2</sup>



For international mounting plugs and couplings, see page 57 onwards.

**Denmark IT plug** | DK 2-5a

**BACHMANN type:** type 48, 10 A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 0.75 mm<sup>2</sup>  
H05VV-F3G 1.00 mm<sup>2</sup>  
H05VV-F3G 1.50 mm<sup>2</sup>



**Denmark IT right-angled plug** | DK 2-5a

**BACHMANN type:** type 48W, 10 A  
2-pole with earthing contact

**Suitable for (e.g.):**  
H05VV-F3G 0.75 mm<sup>2</sup>  
H05VV-F3G 1.00 mm<sup>2</sup>  
H05VV-F3G 1.50 mm<sup>2</sup>



**Euro flat plug** | CEE 7/16 (type C)

**BACHMANN type:** Type 20 F

**Suitable for (e.g.):**  
H03VVH2-F 2x 0.75 mm<sup>2</sup>  
H05VVH2-F 2x 0.75 mm<sup>2</sup>



**Contour plug** | CEE 7/17

**BACHMANN type:** Type 24 G

**Suitable for (e.g.):**  
H05RN-F 2x 1.00 mm<sup>2</sup>  
H07RN-F 2x 1.00 mm<sup>2</sup>  
H07RN-F 2x 1.50 mm<sup>2</sup>  
H05BQ-F 2x 1.00 mm<sup>2</sup>  
H07BQ-F 2x 1.50 mm<sup>2</sup>



**BACHMANN type:** type 24 K

**Suitable for (e.g.):**  
H05VV-F 2x 0.75 mm<sup>2</sup>  
H05VV-F 2x 1.00 mm<sup>2</sup>



**BACHMANN type:** Type 24 S  
Splash-proof  
Shock-resistant

**Suitable for (e.g.):**  
H07RN-F 2x 1.00 mm<sup>2</sup>  
H07RN-F 2x 1.50 mm<sup>2</sup>  
H05BQ-F 2x 1.0 mm<sup>2</sup>  
H05BQ-F 2x 1.5 mm<sup>2</sup>



**Non-heating device coupling, central** | IEC 60320-C13

**BACHMANN type:** type 35  
2-pole with earthing contact  
70 °C

**Suitable for (e.g.):**  
H05VV-F 3G 0.75 mm<sup>2</sup>  
H05VV-F 3G 1.00 mm<sup>2</sup>



**Non-heating device coupling, angled** | IEC 60320-C13

**BACHMANN type:** type 35 W  
2-pole with earthing contact  
On right, on left  
70 °C

**Suitable for (e.g.):**  
H05VV-F 3G 0.75 mm<sup>2</sup>  
H05VV-F 3G 1.00 mm<sup>2</sup>



**Non-heating device plug, central** | IEC 60320-C14

**BACHMANN type:** Type 35 S  
2-pole with earthing contact  
70 °C

**Suitable for (e.g.):**  
H05VV-F 3G 0.75 mm<sup>2</sup>  
H05VV-F 3G 1.00 mm<sup>2</sup>



**Non-heating device coupling, central** | IEC 60320-C17

**BACHMANN type:** type 35-S  
2-pole  
70 °C

**Suitable for (e.g.):**  
H05VV-F 2 x 0.75 mm<sup>2</sup>  
H05VV-F 2 x 1.00 mm<sup>2</sup>



For international mounting plugs and couplings, see page 57 onwards.

### Non-heating device coupling, angled | IEC 60320-C17

**BACHMANN type:** Type 35-2 W  
2-pole  
On right, on left  
70 °C

**Suitable for (e.g.):**  
H05VV-F 2 x 0.75 mm<sup>2</sup>  
H05VV-F 2 x 1.00 mm<sup>2</sup>



### Non-heating device plug, central | IEC 60320-C18

**BACHMANN type:** Type 35 S  
2-pole  
70 °C

**Suitable for (e.g.):**  
H05VV-F 2 x 0.75 mm<sup>2</sup>  
H05VV-F 2 x 1.00 mm<sup>2</sup>



### Heating device coupling | IEC 60320-C15a

**BACHMANN type:** type 37  
2-pole with earthing contact  
155 °C  
Mounted



### Coupling for small appliances | IEC 60320-C7

**BACHMANN type:** Type 25 D  
120 °C  
Mounted

**Suitable for (e.g.):**  
H03VVH2-F 2 x 0.75 mm<sup>2</sup>



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940.024	27
940.040	206
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940.048	209
940.052	206
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940.071	65
940.073	65
940.074	65
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940.085	183
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940.103	288
940.104	211
940.105	211
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943.002	117
943.003	117
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950.003	229
950.004	229
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960.102	59
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960.202	59
960.203	60
960.301	59
960.302	59
960.303	60





# Pictograms and their meaning



Item number



Surge protection



Version



Mains and frequency filters



Price in €



Colour



Socket outlet with earthing contact



Residual current circuit breaker



UK socket (3.15A)



Automatic switch-off



UTE socket



Rewirable



Swiss socket (10A)

19"

Compatible with 19" racks



European socket



Custom Module



Italy / socket outlet with earthing contact P40



Keystone



Italian socket (10A)



USB Charger



Socket orientation



Width



Switch



Dimensions

## Further information



### Custom Module

Module that is screwed into an empty slot on a power strip.



### Keystone

Module that is inserted into a custom module using a keystone mount.



In principle, all of our power strips **have a shutter**.

The CRAFTSMAN SOCKET OUTLET (p. 20) and the PDUs for IT power distribution (p. 250 onwards) are available without shutters.



For reasons related to the production process, there may be deviations from the specified dimensions and illustrations. We thank you for your understanding in this matter.



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