

## Complete Catalogue 2019



**English** 







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.

## **About us**

## IT power distribution



years of experience

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





Over 2,000 standard products



















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)

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• 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



## **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.

## **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.



# NEW

## **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!

## **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.



### 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.



## 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.



### **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.



## 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).



## **USB** charger (permanent installation)

The USB charger component has 2 ports with 5 V 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.



## 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.



## 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. Connection panels | Integrated units | LOOP IN



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

### 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.





### PRODUCT TABLES

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

### 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 MEANING

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

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## **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



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## **CONNECT LINE**

 $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.5 mm  $^{\!2}\!$  with right-angled plug with earthing contact

#	$\odot$	5	0	3	**	<b>*</b>	<del>K</del> →
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



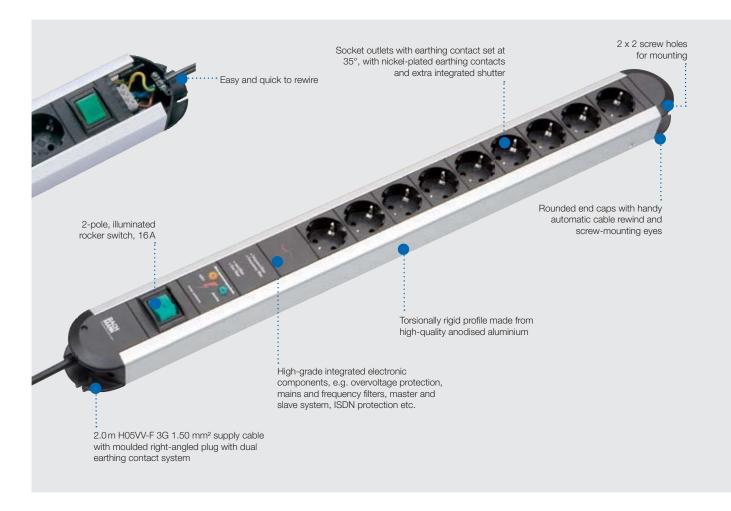


All items including mounting brackets



### 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

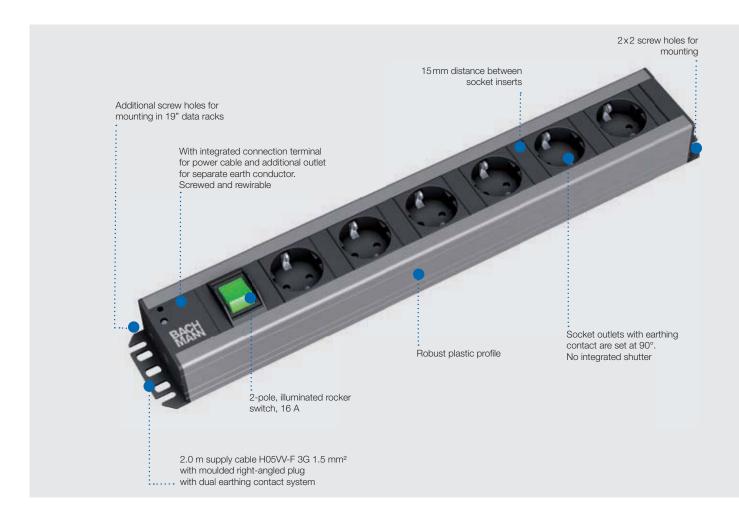


## **PRIMO**

 $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.50 mm  $^{\!2}$  with right-angled plug with earthing contact

331.012       12       35°       690x71         331.072       9       35°       •       690x71         330.072       9       35°       •       560x71         331.007       9       35°       •       645x71         331.011       9       35°       •       560x71         331.154       8       35°       •       560x71         331.071       6       35°       •       •       560x71	x54mm x46mm x54mm x54mm
331.012       12       35°       690x71         331.072       9       35°       •       690x71         330.072       9       35°       •       560x71         331.007       9       35°       •       645x71         331.011       9       35°       •       560x71         331.154       8       35°       •       560x71         331.071       6       35°       •       560x71	x46mm x54mm
331.072       9       35°       •       •       690x71         330.072       9       35°       •       560x71         331.007       9       35°       •       •       645x71         331.011       9       35°       560x71         331.154       8       35°       •       560x71         331.071       6       35°       •       •       560x71	x54mm
330.072     9     35°     •     560x71       331.007     9     35°     •     645x71       331.011     9     35°     •     560x71       331.154     8     35°     •     560x71       331.071     6     35°     •     •     560x71	
331.007       9       35°       •       •       645x71         331.011       9       35°       560x71         331.154       8       35°       •       560x71         331.071       6       35°       •       •       560x71	x54mm
331.011       9       35°       560x71         331.154       8       35°       •       560x71         331.071       6       35°       •       •       560x71	
331.154 8 35° • • 560x71  331.071 6 35° • • • 560x71	x47mm
331.071 6 35° • • 560x71	x46mm
	x54mm
331.013 6 35° • • 474x71	x54mm
	x54mm
330.071 6 35° • 431x71	x54mm
331.035 6 35° • 516x71	x83mm
331.006 6 35°	x47mm
331.014 6 35° • 474x71	x54mm
331.010 6 35° 431x71	x46mm
330.070 3 35° • 304x71	x54mm
331.000 3 35° 304x71	x46mm
Master + Slave	
333.071 1M+6S 35°	x47mm
332.071 1M+6S 35° 573x71	x47mm
ISDN   1 x ISDN input   3 x ISDN outputs	
331.074 6 35° • • 645x71	x54mm
15 mm spacing	
331.055 6 90° • • • 690×71	x54mm
85 mm spacing	
331.032 5 35° 515x71	x46mm
For IT power circuits   Socket colour: red	
331.040 6 35° 390×71	x46mm
Master + slave + foot-operated switch   2x red continuous operation socket outlets with earthing conta Socket colour: red   0.1 m with GST18i3 plug   0.1 m black with GST15/2 plug   Foot-operated switch wit 2 m supply cable	
331.089 1M+5S 35° 670x71	v 17 mm





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



Colour variants:

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

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

#	$\odot$	S	0	19"	К─Ж
300.006	8	35°		•	445 mm
300.007	7	35°	•	•	445 mm



## CRAFTSMAN SOCKET OUTLET with 15 mm spacing between sockets

 $\cdot$  Supply cable: 2.0 m with right-angled plug with earthing contact

	#	$\odot$	5	0	9	***	<b>→</b>	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
C	an be swit	ched off ind	dividually						
	300.050	6	90°	3					526 mm
	300.049	4	90°	4					453 mm
S	Supply cabl	e and switc	h on oppos	ite sides					
	300.008	6	90°	•					488 mm





## **CONNECTUS**

## **BENEFITS**

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



Colour variants:

## **CONNECTUS**

- $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.50 mm  $^{\!2}$  with right-angled plug with earthing contact
- · Socket colour: black

#	$\odot$	$\odot$	0	9	*	(b)	$\iff$
330.103	12		•				695x72x49mm
330.102	9		•				570x72x49mm
330.105	6		•	•	•		568x72x49 mm
330.104	6		•	•			480x72x49mm
330.101	6		•				440x72x49mm
330.100	4		•				355x72x49mm
Master + Sla	ave						
330.107	1M+4S			•	•		610x72x49mm
330.106	1M+4S						480x72x42 mm
330.106F		1M+4S					480x72x49mm
Master + Sla	ave   With ext	ernal button					
330.140	1M+4S					•	538x72x49mm
With externa	al button   1.5	m cable to p	lug   1.5 m ca	ble to switch			
330.142	6						442x72x49 mm
Orange swit	tch						
330.104F		6	•	•	•		480x72x49mm
330.101F		6	•				440×72×49 mm
330.100F		4	•				355×72×49 mm

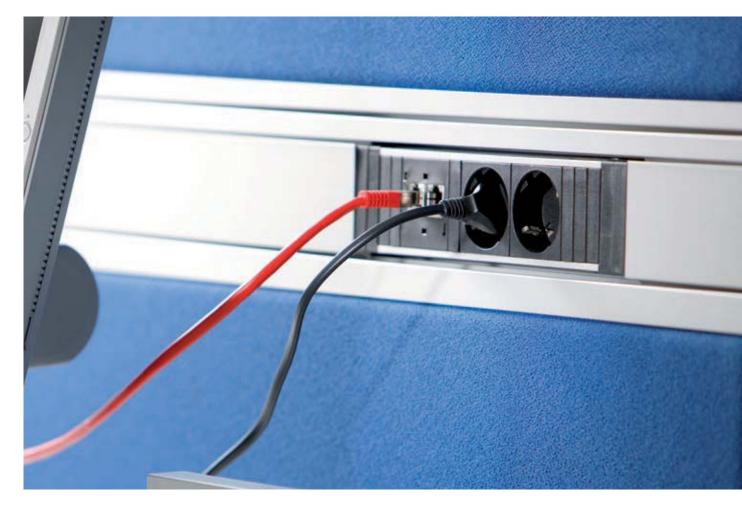
## **CONNECTUS**

- $\cdot$  Supply cable: 2.0 m H05VV-F 3G 1.0 mm  $^{\!2}$  with C14 non-heating device plug
- · Socket colour: red

#	$\odot$	$\stackrel{\longleftarrow}{\longleftrightarrow}$
10 A micro f	use	
330.300	3	273×72×46mm







## **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



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**

#	$\odot$	<u>:</u>	$\odot$	5	<del>≪</del>
STEP BASE					
336.626	5			35°	305 mm
336.604	4			35°	263 mm
336.600	3			35°	220 mm
906.0055*		4		45°	322 mm
906.1306*		2		45°	220 mm
336.606			4	35°	263 mm
336.603			3	35°	220 mm
STEP BASE	Socket colour: red				
336.601	3			35°	220 mm
STEP BASE	+ 2 switches				
906.0059*		2		45°	244 mm
STEP BASE	+ 1 switch				
906.0060*		4		45°	365 mm



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

## **STEP ALU power strips**

0121 /12	o pon	or ourip							
#	$\odot$		$\odot$	•••		5	<b>*</b>	C	К—Э
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							•		146mm
906.1244					2	35°		2	285 mm
906.0028					2	35°		1	242 mm
STEP ALU	Socket cold	our: 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 s	ockets					
906.003	3					35°			263 mm
STEP ALU +	1 switch	Switch switch	ches power	output and	I sockets				
906.031	3					35°			263 mm
STEP ALU +	1 switch -	+ RCD   Swit	ch switche	s power out	tput and soc	kets			
906.150	2					35°			359 mm
STEP ALU f	or Custon	n Modules s	set at 90° v	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

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



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



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

## **STEP** safety modules

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

0.1	
#	
375.502	Mounting accessories  4x 2.9x30 mm screws   2x cover strips for the end caps as optical finish (to be placed on the end caps where two power strips are linked together)   1x connection cover   1x end cap for power output socket
940.096	Stainless steel mounting bracket For plugging into the rear of a STEP profile   Ideal for use with power strips with data connections   Packaging unit: 2 units
940.024	Stainless steel mounting bracket with elongated hole 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	Straight stainless steel mounting bracket 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	STEP cover strips For positioning on the end caps of the STEP power strip   Optical finish   Black plastic   Packaging unit: 2 units
940.108	Steel sheet mounting plate 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	STEP plastic mounting clip For attaching STEP BASE and STEP ALU power strips   In suitable cut-outs in steel sheet (thickness 2.0 mm)   2 x plastic mounting clips   4 screws 2.9 x 30 mm
918.123	Double-sided mirror tape  Double-sided adhesive mirror tape   Dimensions 200 x 30 x 3 mm









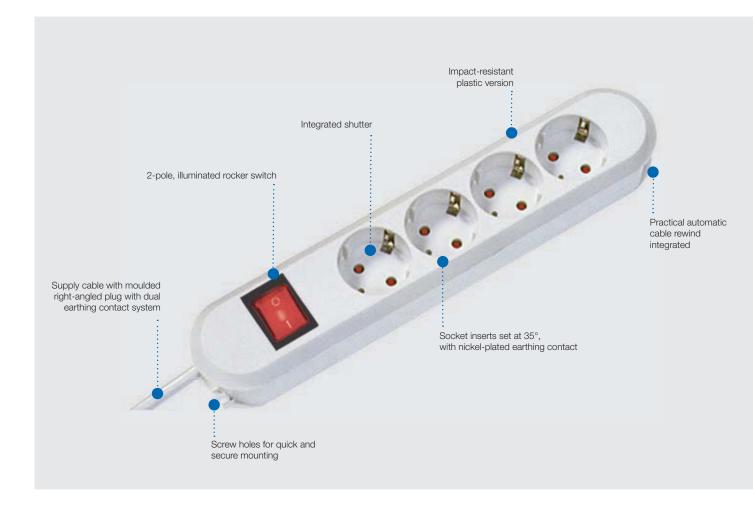






940.108



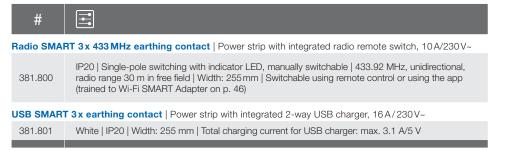


## **SMART**

## **BENEFITS**

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

## **SMART**







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



## **SMART**

SWARI							
#	$\odot$	$\odot$	<u> </u>	9	<b>)</b>	K <del></del> >∣	♦,
Supply cable	e: 5.0 m H05V	V-F 3G 1.50 r	nm² with mo	ulded right-a	ngled plug wi	th earthing cont	act
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	e: 3.0 m H05V	<b>V-F 3G 1.50</b> r	nm² with mo	ulded right-a	ngled plug wi	th earthing conta	act
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	e: 1.5 m H05V	<b>V-F 3G 1.50</b> r	nm² with mo	ulded right-a	ngled plug wi	th earthing conta	act
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 sup	ply 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



### **Screw mounting**

- · Attaches to desk/table with screw mounting, e.g. on the edge of a desk/table
- $\cdot$  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



3-way multiple socket strip | With 1.6 m H05VV-F 3G 1.5

933.014 Black 933.015 White



## **FLAT PLUG power strip**

- $\cdot$  Without lever and/or ejection mechanism
- · Components VDE-approved



3-way multiple socket strip | With 1.6 m H05VV-F 3G 1.5

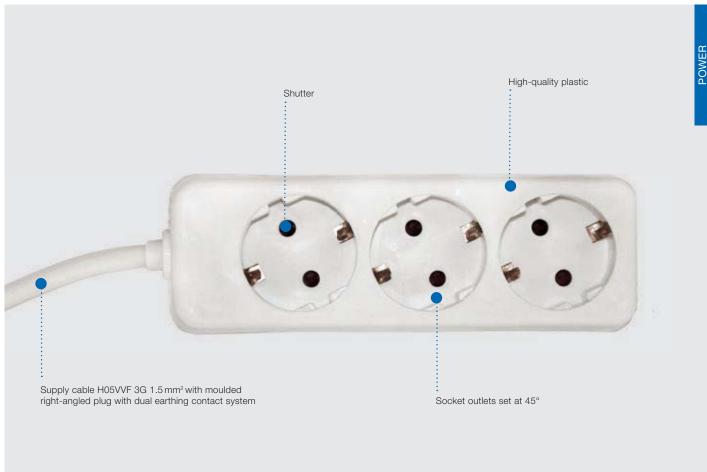
933.007 White







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



## **SELLY**

## **SELLY**

#	$\odot$	5	0	Ů,			
Supply cable: 3.	Supply cable: 3.0 m H05VV-F 3G 1.50 mm <sup>2</sup>						
387.271S	3	45°		white			
387.275S	3	45°		white			
Supply cable: 1.	5 m H05VV-F 3G 1.50	Omm²					
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			







## **UNIVERSAL**

## **BENEFITS**

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









## Large UNIVERSAL power strips

#	$\odot$	$\odot$		Ö	C	<del>K →</del> I
Power input	t: 3.0 m with righ	nt-angled plug w	vith earthing con	itact   including m	ounting bracket	
922.0181	5			35°	2	406 mm
922.0071	4			35°	3	406 mm
922.083		5		35°	2	406 mm
922.082		4		35°	3	406 mm
Power input	t: 3.0 m with Ital	y plug   including	mounting bracket	t		
922.097			4	45°	3	428 mm



## **Small UNIVERSAL power strips**

#	$\odot$	$\odot$		5	C	<del>K&gt;</del> l
Power input	t: 3.0 m with righ	nt-angled plug w	vith earthing con	ntact   including m	ounting bracket	
922.0111	3			35°	1	279mm
922.0231		3		35°	1	279 mm
Power input	Power input: 3.0 m with Italy plug   including mounting bracket					
922.096			3	45°	1	295 mm



## Media racks/IT panels







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



C 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





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

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







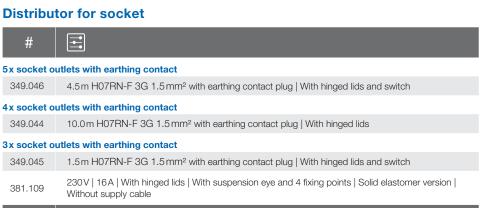
## **Outdoor (IP44)**

## Solid rubber distributor

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

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







## Cable reels

### Master cable reel

#	
4x socket or	utlets with earthing contact   Conforms to DGUV-I 203-006
399.000	Empty reel   Conforms to DGUV-I 203-006 with H07RN-F or H07BQ-F cable type
399.003	25 m H07RN-F3G 1.5 mm²   Black   With central earthing contact plug
399.004	40 m H07RN-F3G 1.5 mm²   Black   With central earthing contact plug
399.005	50 m H07RN-F3G 1.5 mm²   Black   With central earthing contact plug
399.006	40 m H07RN-F3G 2.5 mm²   Black   With central earthing contact plug
4x socket or	utlets with earthing contact   Construction site cable Austria
399.012	40 m XYMM-J3G 1.5 mm²   Yellow   With central earthing contact plug
3x socket or	utlets with earthing contact   1x CEE socket 16A   Conforms to DGUV-I 203-006
399.007	Empty reel   Conforms to DGUV-I 203-006 with H07RN-F or H07BQ-F cable type
399.009	25 m H07RN-F5G 2.5 mm²   Black   With CEE plug 16A
Other	
399.010	Empty reel with closed plate for configuration by user   Conforms to DGUV-I 203-006

## Cable reel with portable RCD, 3-way

- · Cable: H07BQ-F 3G 1.50 mm<sup>2</sup>
- $\cdot$  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











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

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

#	==
399.181	25 m Central earthing contact plug   Cable: black   Reel: black
399.182	40 m Central earthing contact plug   Cable: black   Reel: black
396.184	Professional plastic empty reel Holds up to max. 40 m H07RN-F 3G 1.50 mm²   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



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

- $\cdot$  1 x CEE socket 16 A/400 V~
- $\cdot$  2 x socket outlets with earthing contact 250 V  $_{\sim}$  with hinged lid
- $\cdot$  Integrated 3-pole thermal cut-out
- $\cdot \; \text{Dual tubular frame} \\$
- · Conforms to DGUV-I 203-006

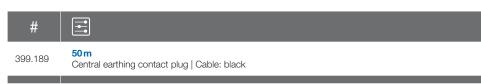
#	<b>=</b>
399.180	25 m CEE plug   Cable: H07RN-F 5G 1.50 mm²   Reel body made from unbreakable plastic   Cable: black   Reel: black
399.186	40 m CEE plug   Cable: H07RN-F 5G 2.50 mm²   Reel body made from unbreakable hard rubber   Cable: black   Reel: black
399.185	CEE professional plastic empty reel Cable up to max. 20 m H07RN-F 5G 1,50 mm²   Wheel diameter 285 mm   Reel body made from robust, unbreakable special plastic, black





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

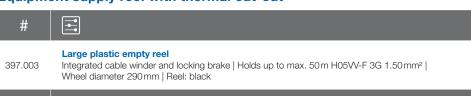
- · Cable: H07RN-F 3G 2.50 mm<sup>2</sup>
- · 4 x socket outlets with earthing contact with hinged lid
- · With built-in thermal cut-out | 1-pole
- · Dual tubular frame
- · Reel body made from unbreakable hard rubber
- · Conforms to DGUV-I 203-006







#### **Equipment supply reel with thermal cut-out**



#### Cable reel, 4-way without lid

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

#			
Plastic 25m			
392.180	Cable: H05VV-F 3G 1.50 mm <sup>2</sup>   Central plug with dual earthing contact system   Cable: black   Reel: black		
395.180	Cable: H05RR-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Reel: black		
Plastic 50 m			
392.181	Cable: H05VV-F 3G 1.50 mm²   Central plug with dual earthing contact system   Cable: black   Reel: black		
395.181	Cable: H05RR-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Reel: black		
Large plastic empty reel			
396.181	Cable up to max. 50 m H05RR-F 3G 1.50 mm²   Wheel diameter 285 mm   Reel: black		
Steel sheet	25 m		
398.183	Cable: H05VV-F 3G 1.50 mm²   Central plug with dual earthing contact system   Cable: black   Reel: silver		
398.181	Cable: H05RR-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Drum: silver		
Steel sheet 50 m			
398.182	Cable: H05RR-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Drum: silver		
Steel sheet empty reel, large			



392.180





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

396.182 Wheel diameter 290 mm | Reel: silver

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

#	==
Plastic 25 m	
392.182	IP44   Cable: H07RN-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Drum: black   Conforms to DGUV-I 203-006
Plastic 40 m	
392.183	IP44   Cable: H07RN-F 3G 1.50 mm²   Central earthing contact plug   Cable: black   Drum: black   Conforms to DGUV-I 203-006
Plastic emp	ty reel
396.183	Cable up to max. 40 m H07RN-F 3G 1.50 mm <sup>2</sup>   Wheel diameter 280 mm





398.186

#### Steel sheet 40 m | Iron Coat series

IP44 | Cable: H07RN-F 3G 1.50 mm² | Central earthing contact plug | Cable: black | 398.180 Drum: silver | Conforms to DGUV-I 203-006

Reel: black | Conforms to DGUV-I 203-006

#### Steel sheet 50 m

IP44 | Cable: H05RR-F 3G 1.50 mm² | Central earthing contact plug | Cable: black | 398.186 Drum: silver

#### Steel sheet empty reel

Holds up to max. 40 m | Wheel diameter 280 mm | Reel: silver | Conforms to DGUV-I 203-006 with H07RN-F or H07BQ-F cable type 396.187

#### Spare parts for cable reels

· Suitable for cable reels on pages 37 and 38





#### 4-way cable box

- $\cdot$  With built-in thermal cut-out | 1-pole
- $\cdot$  Right-angled plug with dual earthing contact system
- · Version with hand grip and winding handle
- · Cable: H05VV-F 3G 1.50 mm²
- · 16A/250V~

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



393.002



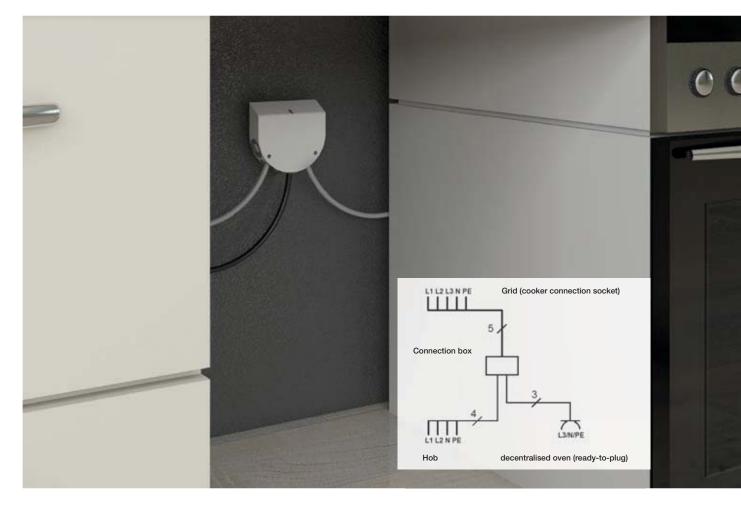
393,006

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

· IP44







## 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

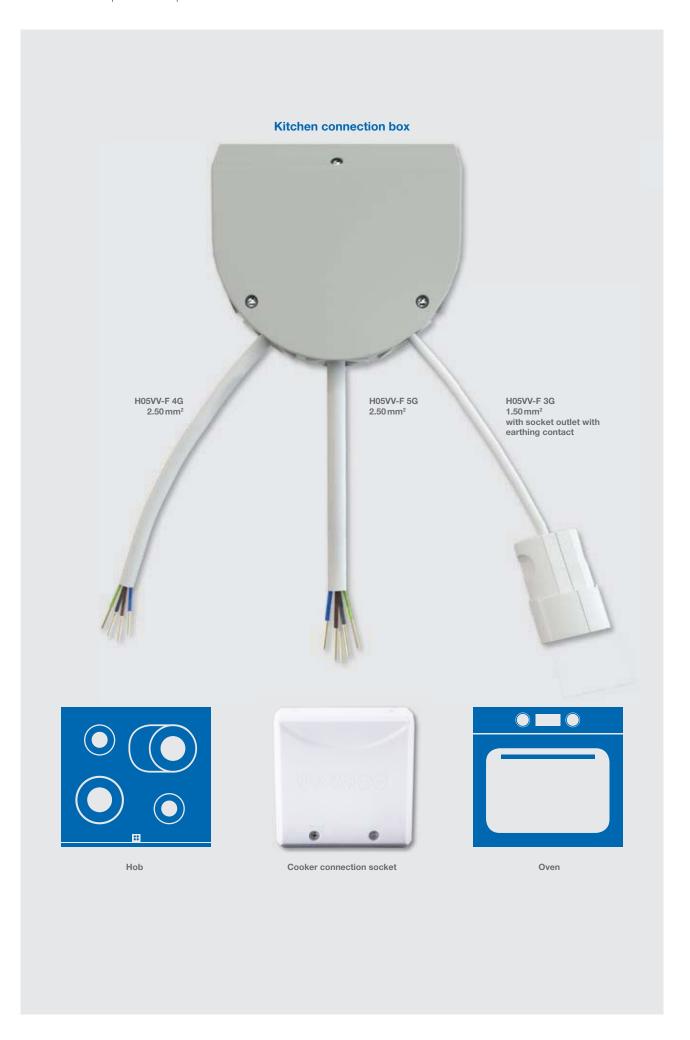


#### Kitchen connection box

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

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





# 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>





#### 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 mm² and strain relief







## **Energy cubes**

#### **Energy cubes**

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

#			
4x socket o	utlets with earthing contact   For cable diameter 3x1.5mm² – 5x1.5mm²		
349.300	4 x socket outlets with earthing contact 16A / 230V~		
349.301	$4x$ socket outlets with earthing contact 16A / 230 V~   1x compressed air connection with $1\!\!/\!\!2"$ inlet and 2x $1\!\!/\!\!2"$ outlets		
1x CEE, 4x	socket outlets with earthing contact   For cable diameter 5x1.5mm² - 5x2.5mm²		
349.302	$1x$ CEE socket $16\text{A}/400\text{V}_{\sim},$ 5-pole $ $ $4x$ socket outlets with earthing contact $16\text{A}/230\text{V}_{\sim}$		
349.303	1x CEE socket 16A/400V~, 5-pole   4x socket outlets with earthing contact 16A/230V~   1x compressed air connection with ½" input and 2x ½" output		
2x CEE, 2x	socket outlets with earthing contact   For cable diameter 5x1.5mm² - 5x4mm²		
349.304	2 x CEE sockets 16 A/400 V~, 5-pole   2 x socket outlets with earthing contact 16 A/230 V~		



#### **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

#	<b>=</b>
349.310	$4x$ socket outlets with earthing contact 16A 230 V~ $ $ 1 x CEE socket 16A $ $ Cable entry with screw fitting from 5G 1.5 mm $^2$ to 5G 2.5 mm $^2$
349.311	$2x$ socket outlets with earthing contact $16A$ / $230V\sim$   $2x$ CEE sockets $16A$   Cable entry with screw fitting from 5G $2.5\text{mm}^2$ to 5G $4.0\text{mm}^2$   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





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

1x CEE plug 16 A/400 V~ Input: 349.008 Output: 2x CEE sockets 16 A/400 V~

4x socket outlets with earthing contact 16A/250V~

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

Input: 1x CEE plug 32 A/400 V~

1x CEE socket 32 A/400 V, 1x CEE socket 16 A/400 V~ Output: 349.009

4x socket outlets with earthing contact 16A/250V~ 1 x C16 A miniature circuit breaker, 3-pole Protection:

2 x C16 A miniature circuit breakers, 1-pole

1 x CEE plug 32 A/400 V~ Input: 1x CEE socket 32 A/400 V~ 1x CEE socket 16 A/400 V~ Output:

349.010

4 x socket outlets with earthing contact 16 A/250 V~ 1 x RCD 40 A/0.03 A/4-pole on all outputs Protection:

1 x C16A circuit breaker, 3-pole

2x C16A circuit breakers, 1-pole

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

Input: 1 x CEE plug 400 V~/32 A/5-pole

2x CEE sockets 400 V~/32 A/5-pole Output: 2x CEE sockets 400 V~/16 A/5-pole

4x socket outlets with earthing contact 250V~/16A 349.011 Protection:

1 x residual current device 40 A/30 mA, 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

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

1x CEE plug 32 A/400 V~ Input: 1x CEE socket 32A/400V~ Output:

2x CEE sockets 16 A/400 V~

349.020 3 x socket outlets with earthing contact 16 A/250 V~

Protection: 1 x C16 A miniature circuit breaker, 3-pole 3 x C16 A miniature circuit breakers, 1-pole

1 x RCD 40 A/0.03 A/4-pole on all outputs









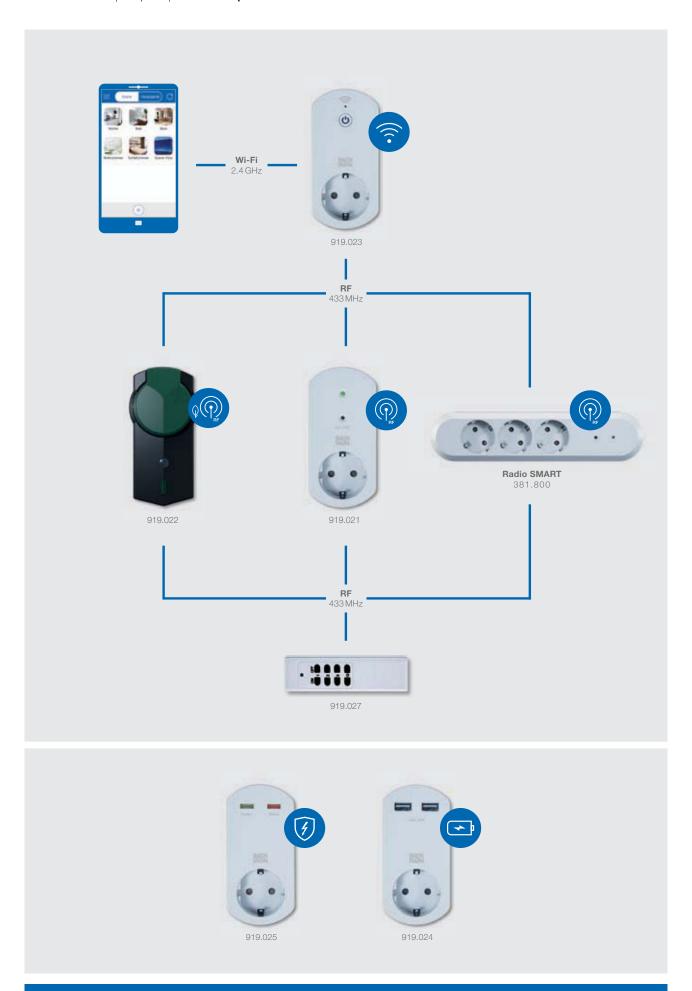
## **SMART Adapter**

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**





Wi-Fi | 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 $\sim$ , 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

Radio 433 MHz | 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  $V_{\sim}$ , 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

Radio 433 MHz | Outdoor | 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

USB | Adapter plug with integrated 2-way USB charger, IP20

919.024

1x 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. 3.4 A/5 V~ (1.7 A per port)

Surge protection | Adapter plug with integrated surge protection, 16 A/230 V~, 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:  $2.0\,\text{kV}$ ; L/N-PE:  $1.5\,\text{kV}$ , Uoc  $6\,\text{kV}$ , UC  $250\,\text{V}$  AC, IL  $16\,\text{A}$ , Ip  $6.5\,\text{kA}$ , Isc  $1.5\,\text{kA}$ , Ta  $< 25\,\text{ns}$ 

#### **Accessories**





Radio remote control for Radio SMART Adapters | 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













919.027





### **BACHMANN SMART APP**

Control your BACHMANN SMART Adapter via your smartphone or tablet.





#### **Functions:**

- · Switch adapter ON/OFF
- · Configure various scenarios
- $\cdot$  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



#### **Timer switch**

852.101

White | 121x74x76mm (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 |  $129\times59\times86\,\mathrm{mm}$  (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

#### Digital timer switch

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



852.103

White | 120x64x76mm (LxWxH) | Smallest possible switching interval: 1 minute | Programmable by the day or by the week | Built-in random generator | Countdown function | Resettable











# **Energy measuring instrument**

#### Energy measuring instrument, 160 - 250 V~





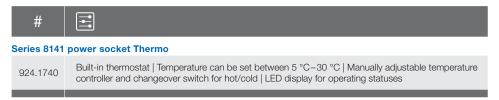
White | Energy-efficient | Large LCD display with blue background light | Digital display of electricity consumption, energy costs (can be programmed with 2 separate tariffs), voltage (V), current (A), effective power (W) | Meter for power and cost, can be reset | Nominal power 3860 W, internal consumption <1 W

## Thermostat adapter

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

· Temperature-controlled socket

852.9821





## Multiple plug

#### Multiple plug





í

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

#			
Nema			
921.004	15A/125V~   Plug pin side: USA		
UTE			
921.005	10/16A/250V~   Plug pin side: France, Belgium, Czech Republic, Poland		
UK			
921.010	$13\text{A}/250\text{V}\sim $ 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)		
T12			
921.011	10A/250V~   Plug pin side: Switzerland		



#### Adapters for the earthing contact system

· Plug pin side: socket outlet with earthing contact



#### Travel plug 10/16 A/250 V~

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



921.003 3-pole | White | Plug pin side: earthing contact, Germany, France, Belgium, with dual earthing contact system | Socket side: USA

#### Travel plug 10 A/250 V~

921.012 3-pole | White | Plug pin side: earthing contact Germany | Socket side: T12 (Switzerland)



#### Travel plug adapters

 $\cdot$  Earthing contact system adapter, storage bag and interchangeable country adapters







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

## **Personal protection**

#### **PRCD-S** extension cable

- · 16 A/250 V~, 30 mA, 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 mm² cable
- · Packed in a robust case
- · Black



#### 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

#### 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





#### **PRCD-S** intermediate device

- · 16 A/250 V~, 30 mA, 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.
- $\cdot$  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



#### 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



#### **PRCD-K** intermediate device

- · 16 A/250 V~, 30 mA, 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



#### PRCD-K

919.018

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



#### **Extension cable with earthing contact with PRCD**

- · 16 A/250 V~/3,600 W, IP44
- · Without protective conductor monitoring
- $\cdot$  3.0 m HO7BQ-F3G 1.5 mm², with PRCD 919.189 personal circuit breaker fitted at approx. 1.5 m
- · Individually packed in plastic bag



#### Black/orange

341.880

End 1: Mounting plug 913.173 End 2: Mounting coupling 919.177



#### **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

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



#### **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







## **CEE** adapters

#### CEE adapter, 400 V~, IP44

- · Highly shatter-proof special plastic version, splash-proof
- $\cdot$  For outdoor use, hanger included

#	<b>=</b>	
349.012	Input: Output:	1 x CEE plug 16A/400V~ 1 x CEE socket 32A/400V~
349.006	Input: Output:	1 x CEE plug 16A/400V~ 1 x CEE socket 16A/400V~ 1 x CEE socket 32A/400V~ 2 x socket outlets with earthing contact 250V~
349.028	Input: Output:	1x CEE plug 16A/400V~ 3x socket outlets with earthing contact 16A/250V~
349.029	Input: Output:	1x CEE plug 16A/400V~ 1x CEE socket 16A / 400V~ 3x socket outlets with earthing contact 16A / 250V~
349.033	Input: Output:	1 x CEE plug 16A/400 V~ 3 x CEE sockets 16A/400 V~
Protection:	3 x 10 A fuse	

349.183	Input: Output:	1x CEE plug 32 A/400 V~ 1x CEE socket 16 A/400 V~	1 0
349.007	Input: Output:	1 x CEE plug 32 A/400 V~ 1 x CEE socket 16 A/400 V~ 1 x CEE socket 32 A/400 V~ 1 x socket outlet with earthing contact 250 V~	x CEE socket 16 A/400 V~ x CEE socket 32 A/400 V~

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

#### CEE adapter with 1.5 m supply cable: H07RN-F5G 1.5 mm<sup>2</sup> | Screwed | Rewirable

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

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

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

#	<b> Ξ</b>
910.002	Red   16A   1x CEE flush-mounted installation box $400V \sim  1x$ socket outlet with earthing contact $250V \sim$







#### Start inrush current limiter, IP44





#### 230 V~ | 1-phase

349.017

1.5 m cable H07RN-F 3G 1.5 with earthing contact plug, black 1 x socket outlet with earthing contact 230 V-/16A, 3-pole Input: Output:

Suitable for MCB 16 A characteristic B, C

#### 400 V~ | 3-phase

349.018

Input: 1.5 m cable H07RN-F 5G 1.5; with CEE plug 400 V~/16 A 5-pole Output: 1 x CEE socket 400 V~/16 A, 5-pole Suitable for MCB 16 A, characteristic C, D





# Mounting plugs/mounting couplings

#### **SMART PLUG**

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





#### **FLAT PLUG**

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







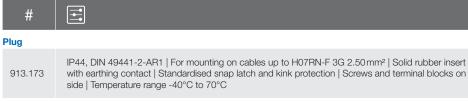


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May only be supplied to end user pre-wired  $\mid$  Only to be wired by qualified technicians

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

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





IP44, DIN 49441-2-AR1 | For mounting on cables up to H07RN-F 3G 2.50mm² | 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

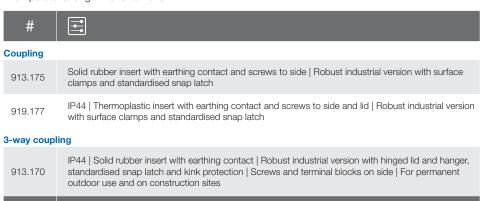
With dual earthing contact system | IP44, DIN 49441-2-AR1 | For mounting on cables up to H07RN-F 3G 2.50 mm² | Robust industrial version with solid rubber insert with earthing contact | Standardised snap latch | Surface clamps and metal strain relief | Screws and screw terminal blocks on side | Temperature range -40°C bis 70°C

#### Contour plug, 2-pole

919.179 For mounting on cables up to H07RN-F 2x 2.50 mm², without earthing contact | Snap latch; may only be supplied to end user pre-wired

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

- · DIN 49440-2-D-AR1nik
- · For mounting on cables up to H07RN-F 3G 2.50 mm²
- $\cdot$  Temperature range -40°C to 70°C



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

· For mounting on cables up to H07RN-F 3G 2.50 mm²

#		
<b>Plug</b>   IP44		
913.171	DIN 49441   Thermoplastic insert with dual earthing   Also suitable for France and Belgium   Rotatable strain relief for different cable cross-sections	
Coupling   Thermoplastic insert with earthing contact and strain relief		
913.174	DIN 49440	
919.176	IP44, DIN 49440   With lid	



















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

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

#

910.470



Brown

 $\label{lem:central plug | Large version | Shatter-proof plastic | Robust | With strain relief and protective rubber sleeve | With dual earthing contact system | H05W-F 3G 0.75/1.0/1.5 mm^2 | With dual earthing contact system | H05W-F 3G 0.75/1.0/1.5 mm^2 | With dual earthing contact system | H05W-F 3G 0.75/1.0/1.5 mm^2 | With dual earthing contact system | H05W-F 3G 0.75/1.0/1.5 mm^2 | With dual earthing contact system | H05W-F 3G 0.75/1.0/1.5 mm^2 | With dual earthing contact system | With$ 

960.101	Black
960.201	White
960.301	Grey

Central plug DIN 49441 | Large version | Shatter-proof plastic with strain relief | H05VV-F 3G 1.0 mm²

910.971 Grey

Central plug DIN 49441 | Small version | Shatter-proof plastic, with strain relief | H05W-F 3G 1.0 mm²

910.170 Black
910.270 White

960.102	Black
960.202	White
960.302	Grey

Right-angled plug | Small version | Shatter-proof plastic, with lateral earthing contact | H05VV-F 3G 1.5 mm<sup>2</sup>

911.172 Black 911.272 White

Flat plug / angled | Shatter-proof design, with side entry | H05W-F 3G 1.50 mm²

	• • • • • • • • • • • • • • • • • • • •
911.170	Black
911.270	White
911.470	Brown

**Right-angled plug with switch** | Shatter-proof version made from plastic, with 2-pole rocker switch | H05VV-F 3G 1.50 mm<sup>2</sup>

911.171	Black
911.271	White

Right-angled plug with control switch | Shatter-proof version made from plastic, with 2-pole illuminated rocker switch |  $H05VV-F 3G 1.50 \, \text{mm}^2$ 

911.273 White

**Mounting plug** | Small version, shatter-proof plastic with separate strain relief, no parts that can be lost | H05VV-F 3G 0.75/1.0/1.5 mm² | With dual earthing contact system and nickel-plated contacts, e.g. Germany and France

910.100	Black
910.200	White

















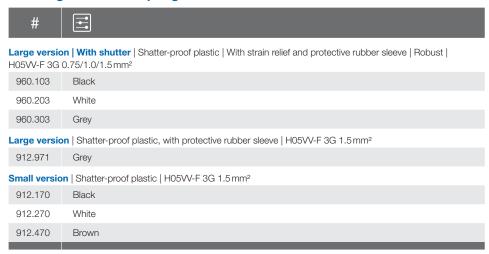
911.271



911 273



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



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

- · Plastic version
- $\cdot$  Packed version: contains 3 items in plastic bag only supplied in packaging unit of 3
- · For flat cables up to H05VV-F 2x 0.75 mm²

#	
Plug	
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
Coupling	
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

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

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





























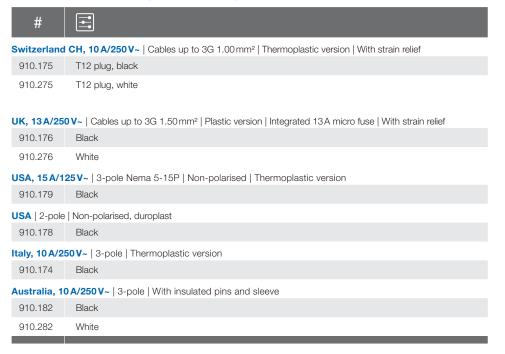
#### International solid rubber plug and coupling 16A/250V~ | Black

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

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



#### International earthing contact plugs





#### International couplings with earthing contacts

#		
Switzerland	CH, 10 A/250 V~ (T13)	
912.174	Black	
912.274	White	
UK, 13 A/25	0 V~   With function display   Thermoplastic version	
910.177	black	
910.277	White	
UTE/Belgium/France 16 A/250 V~ with earthing pin   With protective rubber sleeve   Thermoplastic version		
912.173	Black	
912.273	White	







# Non-heating devices/heating devices

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

# =

C14 non-heating device plug with earthing contact | For cables up to 3G 1.00 mm², thermoplastic version | Screw terminal, protective rubber sleeve and strain relief

915.171	Black
915.271	White
915.971	Grey, similar to RAL7035

C14 non-heating device right-angled plug with earthing contact | For cables up to 3G 1.00 mm², thermoplastic version | Screw terminal, protective rubber sleeve and strain relief, cable exit to right

915.172 Black

C13 non-heating device socket with earthing contact | For cables up to 3G 1.00 mm², thermoplastic version | Screw terminal, protective rubber sleeve and strain relief

915.170	Black
915.270	White
915.970	Grey, similar to RAL7035

C13 non-heating device right-angled socket with earthing contact | For cables up to 3G 1.00 mm², thermoplastic version | Screw terminal, protective rubber sleeve and strain relief, cable exit to right

915.173 Black

915.973 Grey, similar to RAL7035

C14 non-heating device built-in plug | E | Thermoplastic version with screw terminal

917.170 Black

C13 non-heating device built-in socket | F | Thermoplastic version with screw terminal 917.171 Black

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



C20 non-heating device plug | Thermoplastic version | With protective rubber sleeve, for cable mounting

915.175 Black

C19 non-heating device socket | For cables up to 3G 1.50 mm² | Thermoplastic version | Protective rubber sleeve for cable mounting

915.174 Black

C20 non-heating device built-in plug | Thermoplastic version

917.173 Black

C19 non-heating device built-in socket | 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

# =

 $\textbf{C16 A heating device built-in plug} \mid E \mid 10 \text{A}/250 \text{V} \sim \mid 155 \text{ °C} \mid \text{Thermoplastic version with screw terminal}$ 

918.170 Blac

 $\textbf{C15 A heating device socket} \mid 10 \text{A}/250 \text{V} \sim \mid 155 \text{ °C} \mid \text{For cables up to 3G 1.00 mm}^2 \mid \text{Thermoplastic version} \mid \text{Screw terminal, protective rubber sleeve and strain relief}$ 

916.170 Black

916.970 Grey (similar to RAL7035)

C21 heating device socket | 16A/250V~ | 155 °C | Protective rubber sleeve for cable mounting

918.171 Blac





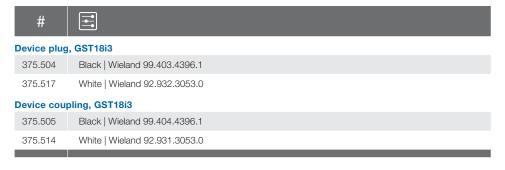
# Wieland installation connection system

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.



#### **Screw terminal**

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







#### **Spring-loaded terminal**

- $\cdot$  Ready for mounting, with strain relief
- $\cdot$  For rigid cables 1.5 2.5 mm² or flexible cables 1.5 mm² with ferrules
- · 2 connections per pole, not mounted, for cables H05VV, NYM (diameter 7.8 10.3 mm)

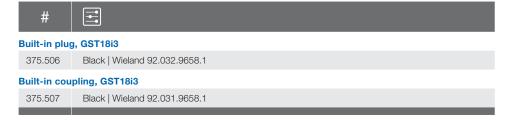






#### Spring-loaded snap-in

- · With interlock
- $\cdot$  Flexible cables 0.5 1.5 mm  $^{\!2}$  with ferrules
- · Rigid cables 0.5 2.5 mm<sup>2</sup>







#### **Device supply cable, GST18**





#### GST18 - earthing contact plug

Cable: H05VV-F 3G 1.50 mm² | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket

00010111001	· · · · · · · · · · · · · · · · · · ·
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	10.0 m   Black



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

Cable: S05Z1Z1-F 3G1.50 mm² | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket

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



#### GST18 - CH/Switzerland plug

Cable: H05VV-F 3G 1.00 mm² | End 1: CH/Switzerland plug | End 2: Wieland GST18i3 socket

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



#### **GST18 – 13 A UK plug**

Cable: H05VV-F 3G 1.50 mm² | End 1: 13 A UK plug | End 2: Wieland GST18i3 socket

		1 01	
375.068	2.0 m   Black		
375.069	3.0 m   Black		
375.070	4.0 m   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:  $H05VV-F3G1.50\,mm^2$  | End 1: right-angled plug with earthing contact | End 2: Wieland GST18i3 socket with  $0.3\,m$  |  $1.50\,mm^2$  green/yellow, with M6 ring terminal

0.3111   1.3011111- green/yellow, with two fing terminal					
375.115	2.0 m   Black				
375.116	3.0 m   Black				
375.117	5.0 m   Black				



#### **GST18** device extension cable



#### GST18/GST18

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

			1 01			
375.050	0.3 m					
375.053	1.0 m					
375.038	2.0 m					
375.055	3.0 m					



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

Cable: H05Z1Z1-F3G 1.50 mm2 | End 1: Wieland GST18 i 3 plug | End 2: Wieland GST18 i 3 socket

0000011002	12. Tea Heart   12. a T Theart act to play   2. a 2. Theart act to to eacher
375.080	0.3 m
375.081	1.0m
375.082	2.0m
375.083	3.0 m

#### 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

Gabie. Floor V F Ga 1.50 Hill   Eria 1. Wilderia act Fore plag   Eria 2. Wilderia act Fore decide					
375.127	1.5 m				
375.128	3.0m				
375.129	5.0 m				



#### 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 1.50 mm<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



#### ST18/ST18 device extension cable

Cable: H05W-F 3G 1.50 mm<sup>2</sup> | End 1: Wieland ST18/3 plug | End 2: Wieland ST18/3 socket

Cable. 1100V	Cable. 1103 V-1 3G 1.30 Hill   Elia 1. Wieland 3 110/3 plug   Elia 2. Wieland 3 110/3 30 Cket					
375.071	0.5 m					
375.072	1.0m					
375.073	1.5m					
375.064	3.0m					



375.071

#### **Interlocks**





67

#### **Connectors/distributors**





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

	annagement I in heart a hear heard account to a heart a heart account.
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  $\overset{\frown}{3}$ -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+6x output   Black

#### **Accessories**

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







## **Extension cables**

#### 16 A CEE extension cable | Rubber/neoprene

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

#	
Cable: H07F	RN-F5G 1.50 mm <sup>2</sup>
344.170	5.0m   Black
344.171	10.0 m   Black
344.172	25.0 m   Black
Cable: H07F	RN-F5G 1.50 mm²   With phase inverter
344.174	10.0 m   Black
344.175	25.0 m   Black
Cable: H07F	RN-F5G 2.50 mm <sup>2</sup>
347.170	5.0m   Black
347.171	10.0 m   Black
347.172	25.0 m   Black



#### 32 A CEE extension cable | Rubber/neoprene

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

#		
Cable: H07F	N-F5G 4.00 mm <sup>2</sup>   Surrounding temperature during use up to 25 °C	
346.170	5.0m   Black	
346.171	10.0 m   Black	
346.172	25.0 m   Black	
Cable: H07F	Cable: H07RN-F5G 6.00 mm <sup>2</sup>	
348.171	10.0 m   Black	
348.172	25.0 m   Black	



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

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

#	<b>:</b>
Cable: H07F	RN-F3G 1.50 mm <sup>2</sup>
343.174	5.0m   Black
343.175	10.0 m   Black
343.176	25.0 m   Black



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

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

#	=
Cable: H07F	RN-F3G 1.50 mm <sup>2</sup>
343.170	5.0m   Black
343.171	10.0 m   Black
343.172	25.0 m   Black
343.173	50.0 m   Black
Cable: H07F	RN-F3G 2.50 mm <sup>2</sup>
343.191	10.0 m   Black
343.192	25.0 m   Black



#### Extension cable with earthing contact | Rubber

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





#### Lawnmower extension cable | Rubber/neoprene

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

#	
Cable: H07R	N-F3G 1.50 mm <sup>2</sup>
343.373	15.0 m   Red
343.370	25.0 m   Red
343.372	35.0 m   Red
343.371	50.0 m   Red



#### Extension cable with earthing contact | PVC

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

#	
Cable: H05V	V-F 3G 1.50 mm <sup>2</sup>
341.879	10.0 m   Orange
341.870	25.0 m   Orange



#### Extension cable with earthing contact | PVC

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

Zina Zi. Godpining With Guitaming Golitact, Modifica	
#	
Cable: H05V	V-F 3G 1.50 mm <sup>2</sup>
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	10.0 m   White
341.189	10.0 m   Black
341.281	15.0 m   White
Cable: H05VV-F 3G 1.50 mm²   With shutter	
341.200S	2.0m   White
341.201S	3.0m   White
341.202S	5.0m   White
341.203S	10.0 m   White





#### 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

#	
Cable: H03\	VH2-F2 0.75 mm <sup>2</sup>
233.284	2.0 m   White
233.184	2.0 m   Black
233.285	3.0 m   White
233.185	3.0 m   Black
233.286	5.0 m   White
233.186	5.0 m   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

2.1 d 2.1 d 1 d 1 l l l l l l l l l l l l l l l			
#	=		
Cable: H05VV-F 3G 0.75 mm <sup>2</sup>			
356.974	2.0 m   Grey	Individually packed	
Cable: H05VV-F 3G 1.00 mm <sup>2</sup>			
356.900	0.5 m   Grey	Individually packed	
356.119	0.5 m   Black	Unpacked	
356.901	0.75 m   Grey	Individually packed	
356.169	0.75 m   Black	Individually packed	
356.902	1.0 m   Grey	Individually packed	
356.120	1.0 m   Black	Unpacked	
356.903	1.5 m   Grey	Individually packed	
356.127	1.5m   Black	Unpacked	
356.904	2.0 m   Grey	Individually packed	
356.171	2.0 m   Black	Individually packed	
356.975	3.0 m   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

#			
Cable: H05V	V-F 3G 1.50 mm <sup>2</sup>		
356.1731	0.5m   Black		
356.910	0.5 m   Grey		
356.1732	0.75 m   Black		
356.911	0.75 m   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





#### **FLAT PLUG extension cable**

- $\cdot$  Without lever and/or ejection mechanism
- · Components VDE-approved









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 | 250 V~
- · End 1: Central plug with dual earthing contact system, moulded plug with splash-water protection!
- · End 2: 30 mm stripped with ferrules

#	
Cable: H05E	SQ-F 3G 1.00 mm <sup>2</sup>   Diameter approx. 7.9 mm
328.875	3.0 m   Orange   Unpacked
328.876	5.0 m   Orange   Unpacked
Cable: H07E	SQ-F 3G 1.50 mm²   Diameter approx. 8.6 mm
327.875	3.0 m   Orange   Unpacked
327.876	5.0 m   Orange   Unpacked



#### Supply cable with earthing contact | Neoprene

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

#	
Cable: H05F	RR-F 3G 0.75 mm <sup>2</sup>   Diameter approx. 6.7 mm
321.174	2.0 m   Black   Unpacked
321.175	3.0 m   Black   Unpacked
321.176	5.0 m   Black   Unpacked
Cable: H07F	RN-F 3G 1.00 mm <sup>2</sup>   Diameter approx. 8.9 mm
320.174	2.0 m   Black   Unpacked
320.185	3.0 m   Black   Individually packed
320.175	3.0 m   Black   Unpacked
320.186	5.0 m   Black   Individually packed
320.176	5.0 m   Black   Unpacked
Cable: H07F	RN-F 3G 1.50 mm <sup>2</sup>   Diameter approx. 9.5 mm
322.184	2.0 m   Black   Individually packed
322.174	2.0 m   Black   Unpacked
322.185	3.0 m   Black   Individually packed
322.175	3.0 m   Black   Unpacked
322.186	5.0 m   Black   Individually packed
322.176	5.0 m   Black   Unpacked
Cable: H07F	RN-F 3G 2.50 mm <sup>2</sup>   Diameter approx. 11.3 mm
323.185	3.0 m   Black   Individually packed
323.186	5.0 m   Black   Individually packed



#### 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 2.0 m   White   Unpacked	
301.274 2.0 m   White   Unpacked	
301.174 2.0 m   Black   Unpacked	
301.974 2.0 m   Grey   Unpacked	
301.275 3.0 m   White   Unpacked	
301.175 3.0 m   Black   Unpacked	
Cable: H05VV-F 3G 1.00 mm <sup>2</sup>   Diameter approx. 7.0 mm	
304.274 2.0 m   White   Unpacked	
304.284 2.0 m   White   Individually packed	
304.174 2.0 m   Black   Unpacked	
304.184 2.0 m   Black   Individually packed	
304.974 2.0 m   Grey   Unpacked	
304.275 3.0 m   White   Unpacked	
304.285 3.0 m   White   Individually packed	
304.175	
304.185 3.0 m   Black   Individually packed	
304.276 5.0 m   White   Unpacked	
304.176 5.0 m   Black   Unpacked	
Cable: H05VV-F 3G 1.50 mm <sup>2</sup>   Diameter approx. 8.0 mm	
305.274 2.0 m   White   Unpacked	
305.284 2.0 m   White   Individually packed	
305.174 2.0 m   Black   Unpacked	
305.184 2.0 m   Black   Individually packed	
305.974 2.0 m   Grey   Unpacked	
305.275 3.0 m   White   Unpacked	
305.285 3.0 m   White   Individually packed	
305.175	
305.185 3.0 m   Black   Individually packed	
305.975 3.0 m   Grey   Unpacked	
305.276 5.0 m   White   Unpacked	
305.176 5.0 m   Black   Unpacked	



#### Supply cable with earthing contact | PVC

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

#	
Cable: H03V	V-F 3G 0.75 mm <sup>2</sup>   Diameter approx. 5.5 mm
311.273	1.5 m   White   Unpacked
312.174	2.0 m   Black   Individually packed
312.275	3.0 m   White   Individually packed
312.175	3.0 m   Black   Individually packed



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

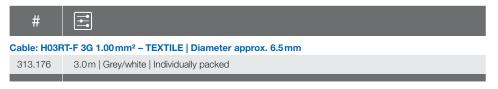
- · 10 A / 250 V~ | 70°C
- · Not rewirable
- · Switch dimensions: 60 x 26 x 13 mm
- · End 1: Right-angled plug with dual earthing contact system, moulded
- · End 2: 30 mm stripped with ferrules, 1-pole intermediate switch fitted after approx. 50 cm





#### Iron supply cable | Textile

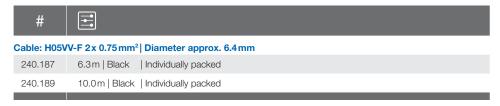
- · 10 A / 250 V~ | 150°C
- · End 1: Central plug with dual earthing contact system, moulded
- · End 2: 30 mm stripped with ferrules





#### Vacuum cleaner replacement cable | PVC

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

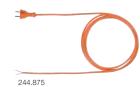




#### Contour supply cable | Rubber/PUR

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

#	=======================================
Cable: H05E	3Q-F 2x 1.00 mm²   Diameter approx. 6.8 mm
244.875	3.0 m   Orange   Unpacked
244.876	5.0 m   Orange   Unpacked
Cable: H07E	SQ-F 2x 1.50 mm²   Diameter approx. 8.3 mm
249.875	3.0 m   Orange   Unpacked
249.876	5.0 m   Orange   Unpacked



#### 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
- $\cdot$  Ideal connection cable for power tools

#	==
Cable: H07F	N-F 2x 1.00 mm²   Diameter approx. 7.7 mm
246.174	2.0 m   Black   Unpacked
246.175	3.0 m   Black   Unpacked
246.185	3.0 m   Black   Individually packed
246.375	3.0 m   Red   Unpacked
246.176	5.0 m   Black   Unpacked
246.186	5.0 m   Black   Individually packed
246.376	5.0 m   Red   Unpacked
Cable: H07F	N-F 2x 1.50 mm²   Diameter approx. 8.7 mm
248.174	2.0 m   Black   Unpacked
248.175	3.0 m   Black   Unpacked
248.185	3.0 m   Black   Individually packed
248.176	5.0 m   Black   Unpacked
248.186	5.0 m   Black   Individually packed





#### Contour supply cable | PVC

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

#	
Cable: H05V\	V-F 2x 1.00 mm <sup>2</sup>   Diameter approx. 6.5 mm
241.275	3.0 m   White   Unpacked
241.175	3.0 m   Black   Unpacked



#### Euro supply cable | PVC

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

#	
Cable: H03V	/VH2-F 2 x 0.75 mm²   Flat cable approx. 3.6 x 5.6 mm
202.274	2.0 m   White   Unpacked
202.284	2.0 m   White   Individually packed
202.174	2.0 m   Black   Unpacked
202.184	2.0 m   Black   Individually packed
202.275	3.0 m   White   Unpacked
202.285	3.0 m   White   Individually packed
202.175	3.0 m   Black   Unpacked
202.185	3.0 m   Black   Individually packed



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

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





#### FLAT PLUG supply cable | PVC

- $\cdot$  Without lever and/or ejection mechanism
- · Components VDE-approved

#	
Ferrules   W	fith 1.5 m H05VV-F 3G 1.5   10 cm stripped
933.003	Black
933.004	White



#### 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

#		
Cable: H05V\	V-F 3G 0.75mm <sup>2</sup>	
351.174	2.0m   Black   Unpacked	
351.184	2.0 m   Black   Individually packed	
351.974	2.0 m   Grey   Unpacked	
351.984	2.0 m   Grey   Individually packed	
Cable: H05V\	V-F 3G 1.00 mm <sup>2</sup>	
353.175	3.0 m   Black   Unpacked	
353.185	3.0 m   Black   Individually packed	
353.975	3.0 m   Grey   Unpacked	
353.985	3.0 m   Grey   Individually packed	
Cable: H05V\	Cable: H05VV-F 3G 1.50 mm <sup>2</sup>	
356.172	0.5 m   Black   Individually packed	
356.905	0.5 m   Grey   Individually packed	
356.1721	0.75 m   Black   Individually packed	
356.906	0.75 m   Grey   Individually packed	
356.1722	1.0 m   Black   Individually packed	
356.907	1.0 m   Grey   Individually packed	
356.1723	1.5 m   Black   Individually packed	
356.908	1.5 m   Grey   Individually packed	
354.127	2.0 m   Black   Unpacked	
356.909	2.0 m   Grey   Individually packed	



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

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

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

#	
Cable: H05V	V-F 3G 1.50 mm <sup>2</sup>
356.1971	0.5 m   Black   Individually packed
356.937	0.5 m   Grey   Individually packed
356.1972	0.75 m   Black   Individually packed
356.938	0.75 m   Grey   Individually packed
356.1973	1.0 m   Black   Individually packed
356.939	1.0 m   Grey   Individually packed
356.1974	1.5m   Black   Individually packed
356.940	1.5 m   Grey   Individually packed
356.1975	2.0 m   Black   Individually packed
352.174	2.0m   Black   Unpacked
356.941	2.0 m   Grey   Individually packed
352.175	3.0m   Black   Unpacked



#### Heating device supply cable | PVC

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





#### Heating device supply cable | Rubber

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





#### Universal supply cable | PVC

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





#### Small appliance supply cable | PVC

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





#### 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

#			
Cable: H05V	V-F 5G 1.50 mm²   Diameter approx. 9.5 mm		
116.280	1.5 m   White   Individually packed		
116.270	1.5 m   White   Unpacked		
116.271	2.0 m   White   Unpacked		
116.272	3.0 m   White   Unpacked		
Cable: H05V	Cable: H05VV-F 3G 2.50 mm²   Diameter approx. 10.1 mm		
118.270	1.5 m   White   Unpacked		
Cable: H05V	V-F 5G 2.50 mm²   Diameter approx. 11.3 mm		
119.280	1.5 m   White   Individually packed		
119.270	1.5 m   White   Unpacked		
119.281	2.0 m   White   Individually packed		
119.271	2.0 m   White   Unpacked		
119.272	3.0 m   White   Unpacked		



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

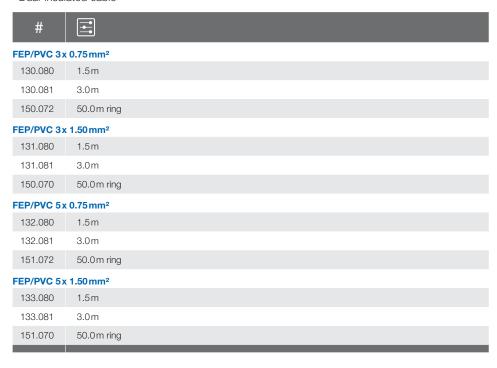
- · 16 A/250 V~ | 70 °C
- · End 1: 50 mm stripped with ferrules
- · End 2: 110 mm stripped with ferrules, 140 mm green/yellow protective conductor





#### **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





#### Characteristics and examples of use

- $\cdot$  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

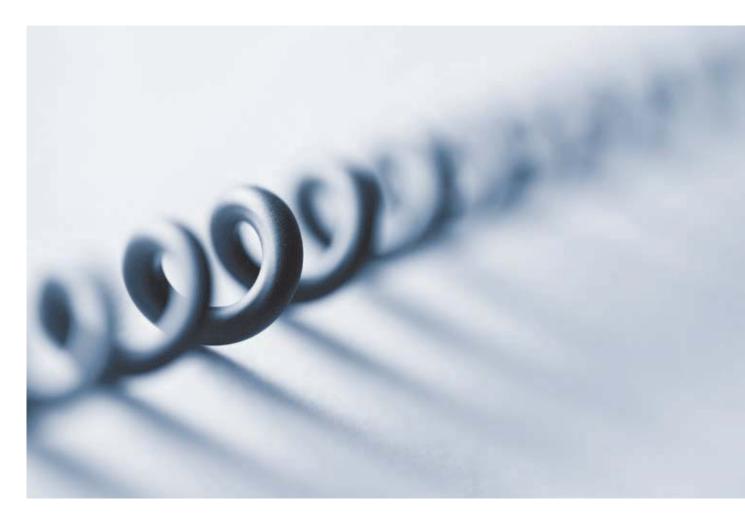
#### **Cable construction**

- $\cdot$  Copper conductors, fine-stranded, tin-plated
- $\cdot$  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

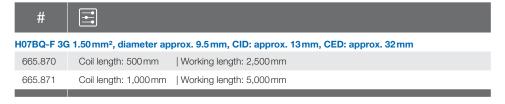
- · Elongation factor 1:4 | 70 °C
- · End 1: central plug with dual earthing contact system, moulded
- · End 2: coupling with earthing contact, moulded

	#	=		
,	YMHY-J 3G	1.50 mm²,	, diameter approx. 8.4 r	nm, CID: approx. 10mm, CED: approx. 27mm
	672.280	White	Coil length: 500 mm	Working length: 2,000 mm
	672.180	Black	Coil length: 500 mm	Working length: 2,000 mm
	672.281	White	Coil length: 1,000 mm	Working length: 4,000 mm
	672.181	Black	Coil length: 1,000 mm	Working length: 4,000 mm



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

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





#### Contour supply cable | PUR | Orange

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





#### Spiral supply cable with earthing contact | PVC

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

YMHY-J 3G 1.50 mm², diameter approx. 8.4 mm	m, CID: approx. 10 mm, CED: approx. 27 mm
663.270 White   Coil length: 500 mm   V	Vorking length: 2,000 mm
663.170 Black   Coil length: 500 mm   V	Vorking length: 2,000 mm
663.271 White   Coil length: 1,000 mm   V	Vorking length: 4,000 mm
663.171 Black   Coil length: 1,000 mm   V	Vorking length: 4,000 mm

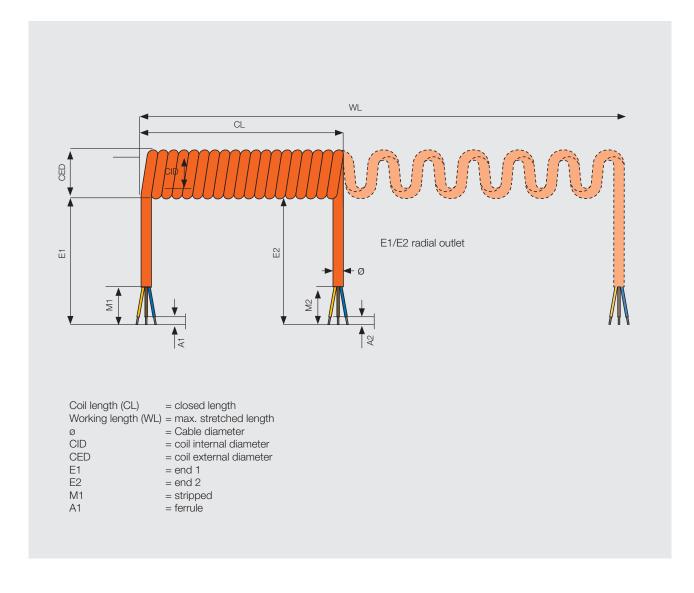


#### Spiral cable, PUR

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

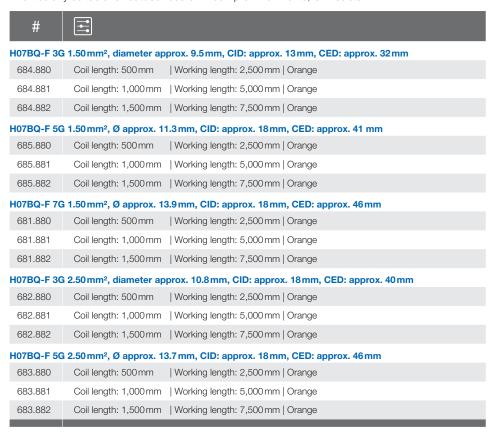
#	=		
YMH11Y-J 5	ix 1.50 mr	m², diameter approx. 10	0.0 mm, CID: approx. 18 mm, CED: approx. 39 mm
693.280	White	Coil length: 500 mm	Working length: 2,500 mm
693.180	Black	Coil length: 500 mm	Working length: 2,500 mm
693.281	White	Coil length: 1,000 mm	Working length: 5,000 mm
693.181	Black	Coil length: 1,000 mm	Working length: 5,000 mm
693.282	White	Coil length: 1,500 mm	Working length: 7,500 mm
693.182	Black	Coil length: 1,500 mm	Working length: 7,500 mm





#### 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





#### 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

#	
YMH11Y-J 30	G 1.50 mm², diameter approx. 8.0 mm, CID: approx. 13 mm, CED: approx. 29 mm
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



#### 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

#	
YMHY-J 3G	1.50 mm², diameter approx. 8.4 mm, CID: approx. 10 mm, CED: approx. 27 mm
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



#### Lamp spiral cable

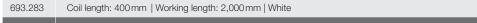
- · Leads: PVC | 70 °C
- · Ends: 140 mm each, incl. 80 mm stripped, with ferrules



YMHY-J 3G 1.50 mm², diameter approx. 8.4 mm, CID: approx. 10 mm, CED: approx. 27 mm | Sheath: PVC, elongation factor 1:4

654.283	Coil length: 400 mm   Working length: 1,600 mm   White	
654.284	Coil length: 800 mm   Working length: 3,200 mm   White	

LIY11Y-J 5x 1.50 mm², diameter approx. 10 mm, CID: approx. 13 mm, CED: approx. 34 mm | Sheath: PUR, elongation factor 1:5





#### Characteristics and examples of use

#### Leads PVC/sheath PVC

- $\cdot$  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)

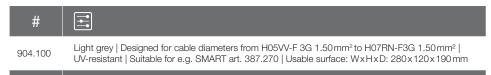
#### Leads rubber PUR/sheath PUR

- · 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





#### Cable box set, IP44

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





#### 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





#### 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



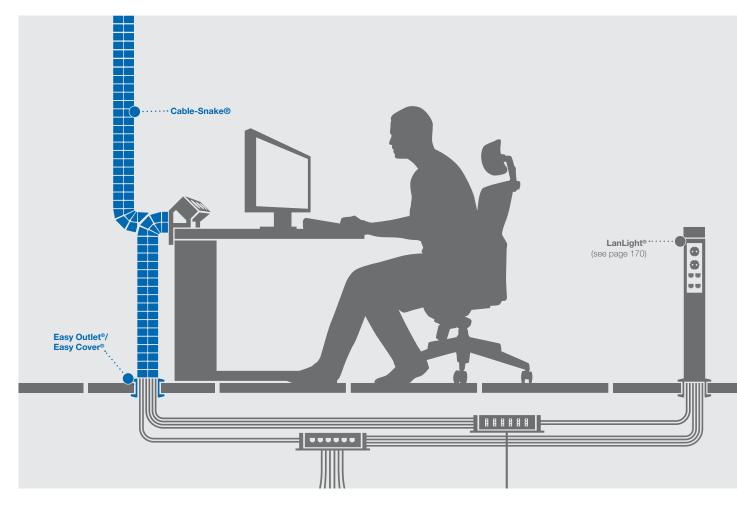


#### Cable-carrying aid

- · Handle facilitates transport of long cables or tubes
- $\cdot$  Adjustable and pliable







# 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**

- · WxHxD: 220x220x50mm
- · Black
- · Cable extension length 1.5 m
- · Can only be used in combination with the CABLE RETRACTOR mounting
- $\cdot$  Cable gland 917.032 (on page 196) is required for installation
- $\cdot$  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

#	<b>=</b>
930.550	Cable pull-out end: CAT6 coupling   Cable end: CAT6 plug
930.551	Cable pull-out end: HDMI coupling   Cable end: HDMI plug
000.001	Cable pair out one. Historic coupling   Cable one. Historic plug





#### **CABLE RETRACTOR - Mounting**

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

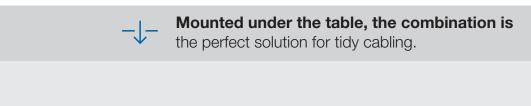
•	
#	
930.500	WxHxD: $225 \times 185 \times 115$ mm   Holds up to three cable pull-outs   Fits under the TOP FRAME without frame and CONFERENCE connection panels
930.501	WxHxD: 200x155x75mm   Holds up to three cable pull-outs   Fits under the CONI COVER and POWER FRAME connection panels
930.502	$\mbox{WxHxD: }305\mbox{x}100\mbox{x}75\mbox{mm}$   Holds up to two cable pull-outs   Fits under the POWER FRAME connection panel
930.503	WxHxD: 225x185x65mm   Holds up to three cable pull-outs   Fits under the CONI connection panel

















#### 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



**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

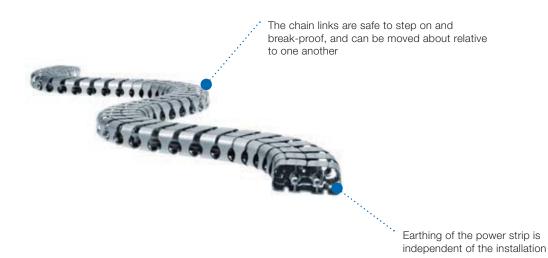
930.058	Black	
930 059	Silver	



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, WxH: approx. 90x24mm Length when separated: approx. 100 cm, when pushed together: approx. 70 cm

930.032	Black
930.033	Silver







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 | 1x metal base plate in appropriate colour | 1x 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. 55x22mm | 1x metal base plate in appropriate colour | 1x 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. 75cm

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











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**

#



Easy-Bridge® for carpet | Aluminium floor duct, can be stepped on, length 100 cm | The Cable-Snake Pro® can be connected directly

930.027 Silve

Easy-Bridge® for smooth floors | Aluminium floor duct, can be stepped on, length 100 cm | The Cable-Snake Pro® can be connected directly

930.028 Silver

#### Easy-Steel® mounting bar

930.024 Length 750 mm, diameter 5 mm

Easy-Desk-3G® | Easy-Steel® mounting bar fastening | Adapter for horizontal connection

930.025 Silver

Easy-Connect® | Universal coupling

930.026 Silver

Easy-Desk-28® | 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

Easy-Stop-2B2K® | 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

#### E-Cube-K-540® power column for supply of power and data

To hold sockets indoors (e.g. article no.: 333.0122) | Material: anodised aluminium/plastic |
930.166 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



Easy-Outlet® floor unit | Floor level installation unit | Tight-braced fastening | Suited to dry-maintained raised and false floors

930.098 Black 930.099 Silver

Easy-Cover® telescopic cover for floor unit | Telescopic cover set for Easy-Outlet® floor unit

930.100 Black 930.137 Silver











930.090







#### **Floor connection**

#



 $\textbf{Easy-Cover-I}^{\circledcirc} \mid \text{Combined with Easy-Outlet}^{\circledcirc} \text{floor unit} \mid \text{Connection for 1 x Cube, Pro, Classic or Flex} \mid \text{Material: PP for use in floor outlet}$ 

930.138 Silve

**Easy-Cover-II**® | Combined with Easy-Outlet® floor unit | Connection for 2x Cube, Pro, Classic or Flex | Material: PP for use in floor outlet

930.139 Silver

Easy-Cover-Quadro® | Combined with Easy-Outlet® floor unit | Connection for 1 x Cable-Snake® Quadro | Material: PP for use in floor outlet

930.164 Black

Easy-Cover-Premium® | Combined with Easy-Outlet® floor unit | Connection for 1x Cable-Snake® Premium | Material: PP for use in floor outlet

930.165 Black

Easy-Switch® distributor | For Cable-Snake® Classic, Cube and Pro | 3-way distributor | Includes 4 coupling links of Cable-Snake® Cube

930.034 Black 930.035 Silver

Easy-Switch® distributor including vertical connection for Cable-Snake® Premium | 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

Easy-Cap® | Cover cap for Easy-Switch connections that are not needed

930.044 Black 930.045 Silver

Easy-Clip-S® | Floor outlet adapter for all common floor outlets | For Cable-Snake® Classic

930.036 Black | LxW: approx. 86x47 mm

Easy-Clip-L® | 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



930.036

#### **Ceiling connection**





Easy-Cover-I® | System attachment with low transmission of force to suspended ceilings | Connection for 1xCube, Pro, Classic or Flex | Material: POM for suspended ceilings

930.094 White

Easy-Cover-Quadro® | 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

Easy-Cover-Premium® | 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

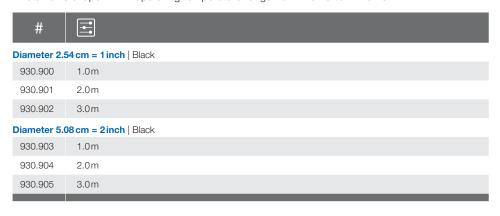


930.096

930.097

#### **Automatic Wrap**

- · Simple installation with low costs and low labour input
- $\cdot$  More flexible than coiled or wound solutions
- $\cdot$  25% overlap for secure cable bundling
- · Resistant to chemicals and solvents
- · Halogen-free
- $\cdot$  Resistant to cuts and abrasions
- · Retains its shape within operating temperature range from -75 °C to +125 °C





#### **Manual Wrap**

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

#	<b>:</b>
Diameter 3.	18 cm = 11/4 inch   Black
930.906	1.0m
930.907	2.0m
930.908	3.0m
Diameter 5.0	<b>08 cm = 2inch</b>   Black
930.909	1.0m
930.910	2.0m
930.911	3.0 m



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

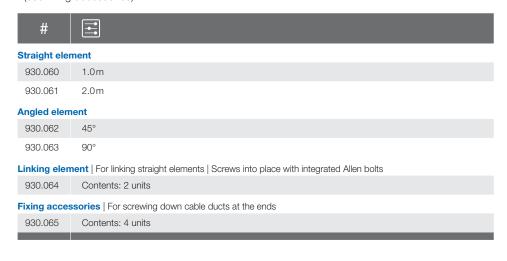
The elastic braided sheath assures fire- and abrasion-resistance with its monofilament fibres and is thus also ideal for professional and industrial use.

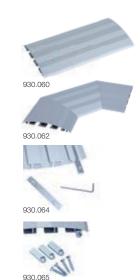


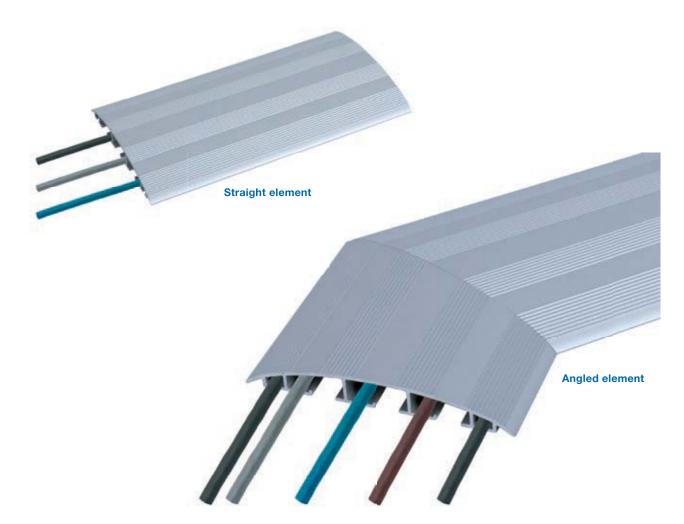


#### **CABLE BRIDGE – the cable duct**

- ·WxH 146x19mm
- · Anodised aluminium profile, rippled for anti-slip effect
- $\cdot$  3-chamber system, allowing power and data cables to be routed separately
- $\cdot$  Can be fixed (with double-sided tape) or screwed into place on the floor (see fixing accessories)









### **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. Se even 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 80 mm holes
- Flexible, can also be fitted on the side



Material: zinc die-cast alloy (Zamak)

Colour variants:

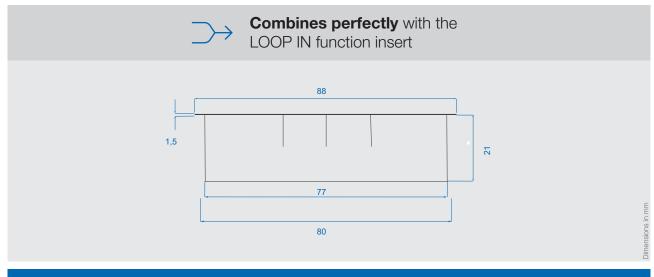
#### Cable glands - LOOP ROUND

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

<b>=</b>
Grey metallic (similar to RAL9006)
Stainless steel look
Black (similar to RAL9005)
White (similar to RAL9016)







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



Table cut-out dimensions: 113/233/353x113mm

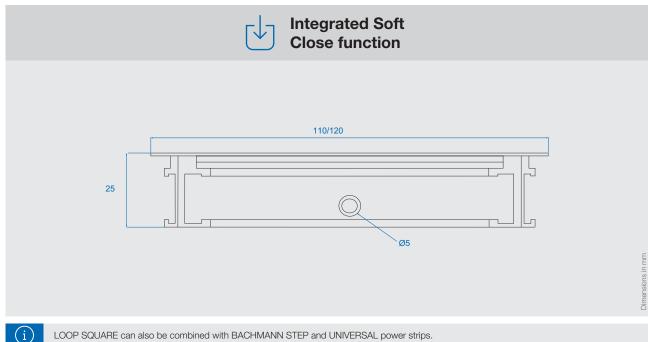
Colour variants:

#### Cable glands - LOOP SQUARE

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

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





LOUP SQUARE can also be combined with BACHMANN STEP and UNIVERSAL power

# **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
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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 (WxHxD): 334x173x79mm

Mounting frame dimensions (WxHxD): 371x180x57mm

Material: Mounting frame: plastic, anodised aluminium

Tray: steel sheet

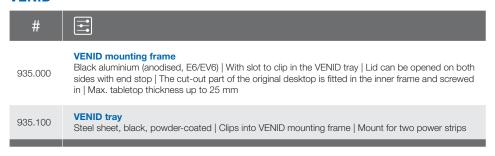
Mounting depth of frame without mounting clips: 45mm Mounting depth of frame with tray and power strip: 155mm Socket colour: black

Colour variants:

Thickness of tabletop: 14-25mm

102

#### **VENID**





935.000



#### **VENID** power strips

#	$\odot$	<u></u>	$\odot$	•••		Ö	*	C
Medium   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

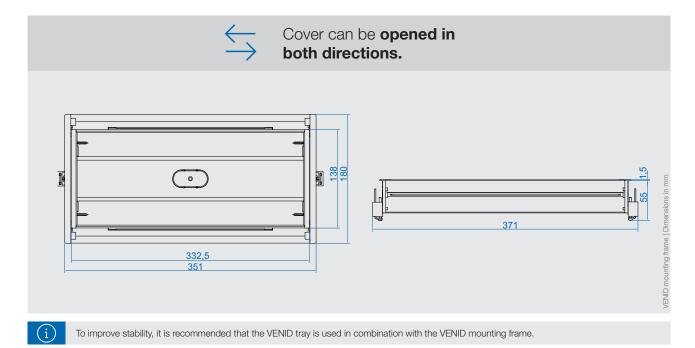












For suitable **device supply cables**, see from page 64.



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



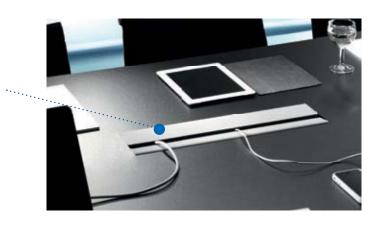
Mounting depth with frame: 110 mm Mounting depth without frame: 107 mm Thickness of tabletop: 11-44 mm

Material: steel sheet

#### **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

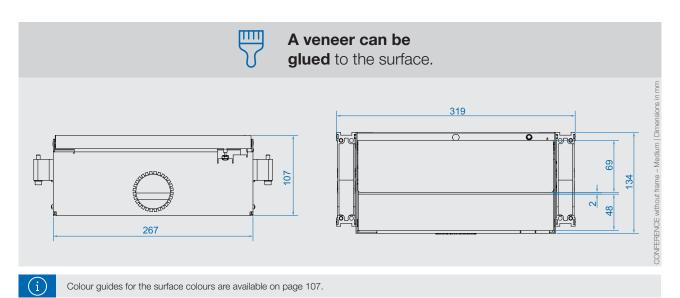
Out Ellerior with hamo							
#							
X-large   Dim	X-large   Dimensions (WxH): 467x182mm						
338.0212	Chrome effect finish (powder-coated)						
338.0221	Grey metallic (powder-coated, similar to RAL9006)						
338.0200	Moonstone metallic (powder-coated)						
Medium   Dir	mensions (WxH): 285x182mm						
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







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: 98 mm (110 mm incl. power strip)

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

Thickness of tabletop: 12-40 mm

Material: Housing: Steel sheet Lid: aluminium





#### TOP FRAME without frame

TOP FRAME Without frame							
#							
Base   Black	housing (powder-coated)						
925.101	X-large   Dimensions (WxHxD): 483x92x98mm						
925.100	Medium   Dimensions (WxHxD): 300x92x98mm						
X-large lid	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)						
Medium lid	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**

#	==
X-large   Col	our: grey metallic (powder-coated, similar to RAL9006)   Black housing (powder-coated)
925.801	Symmetrical   Dimensions (WxHxD): 583x192x110mm
925.501	Asymmetrical   Dimensions (WxHxD): 523x162x110 mm
Medium   Co	olour: grey metallic (powder-coated, similar to RAL9006)   Black housing (powder-coated)
925.800	Symmetrical   Dimensions (WxHxD): 401x192x110mm
925.500	Asymmetrical   Dimensions (WxHxD): 341x162x110 mm



#### **Colour guides**



917.029

Set of 5 colour charts | Chart size  $120\,\mathrm{mm} \times 64\,\mathrm{mm}$  | 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

#	$\odot$		$\odot$	•••		$\Box$	<b>4</b>	C
X-large   Pow	er input/out	out: GST18i3	Width 444 r	nm				
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   With	nout power in	put/output	Width 444 mr	n				
909.001						0°		8





For suitable device supply cables, see from page 64.



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

#### **CONFERENCE** and **TOP FRAME** power strips

#	$\odot$	<u></u>	$\odot$	•••		5	<b>4</b>	C
Medium   Po	wer input/ou	tput: GST18i	3   Width 263	mm				
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
Medium   Po	wer input/ou	tput: GST18i	3   Width 263	mm   0.3 m G	ST18 extensi	ion cable incl	uding T-distrib	utor
909.0180				3		0°		1
Medium   Wi	thout power	input/output	Width 263 m	nm				
909.000						0°		4





#### **Accessories**





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





### 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 (WxHxD):** Large: 387x151x59mm

Small: 255 x 151 x 59 mm

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

Thickness of tabletop: 10-35mm

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

Socket colour: black





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

#						
Large						
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)					
Small						
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)					

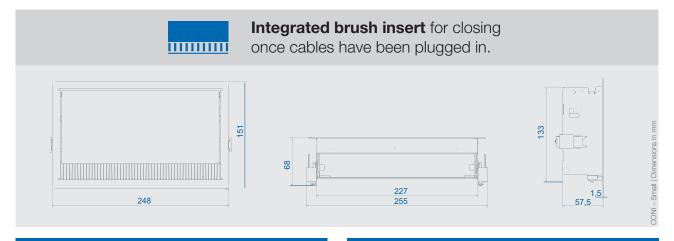


#### **CONI** holder

- · For optional mounting on CONI mounting frame (small and large version)
- $\cdot$  Allows cable lengths to be stowed away when plugged in
- $\cdot$  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)

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





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 (WxHxD): Large: 782×151×68mm

Small: 512x151x68mm

Mounting depth (without mounting clips): 56 mm

Thickness of tabletop: 10-35 mm

Socket colour: black

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

#### **CONI DUO mounting frame**

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

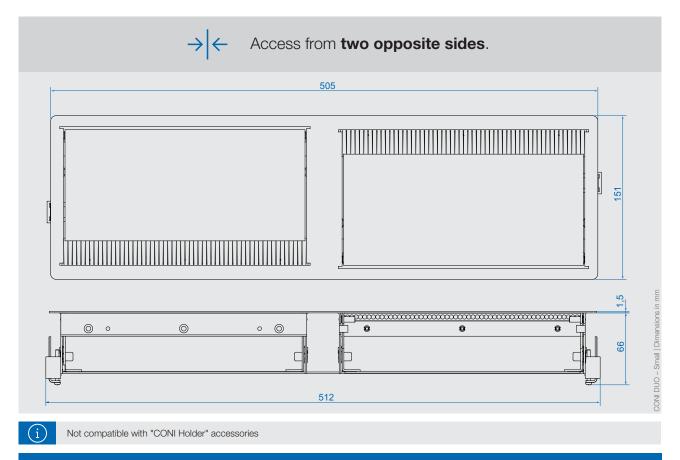


#### **CONI** bracket

- · 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)







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 cutout 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



Mounting frame dimensions (WxHxD): Large: 387x148x23mm Small: 248x148x23mm

Dimensions of optional tray (WxHxD): 430x230x85 mm Mounting depth of frame: 24 mm Tabletop thickness: min. 16mm

Material: steel sheet



#### **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**

#	
Large	
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)
Small	
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)



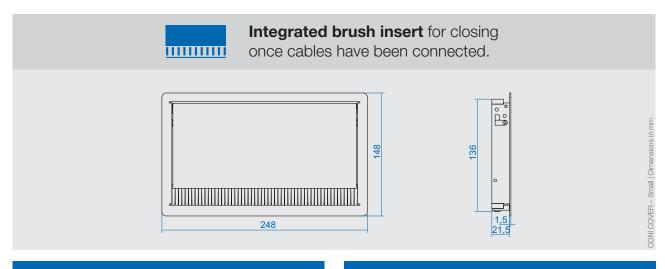


#### **Colour guides**

#

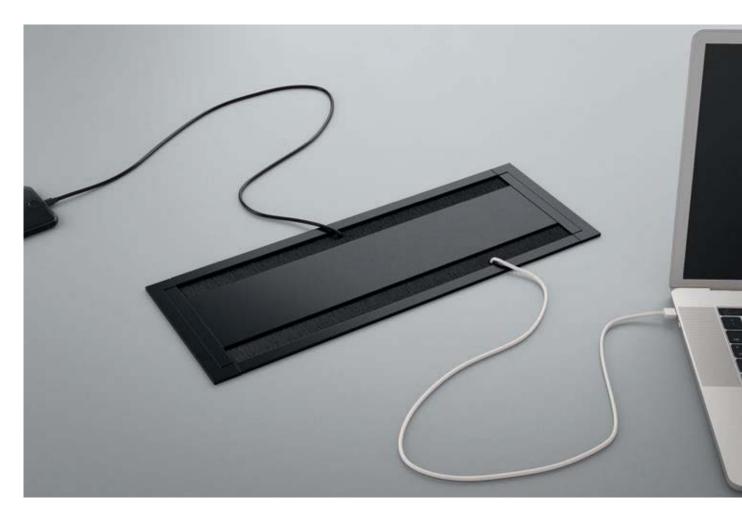
Set of 5 colour charts | Chart size 120 mm x 64 mm | Colour chart set contains: Grey metallic (similar to RAL9006), Anthracite (similar to RAL7016), Black (similar to RAL9005), White (similar to RAL9010), Moonstone metallic





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.

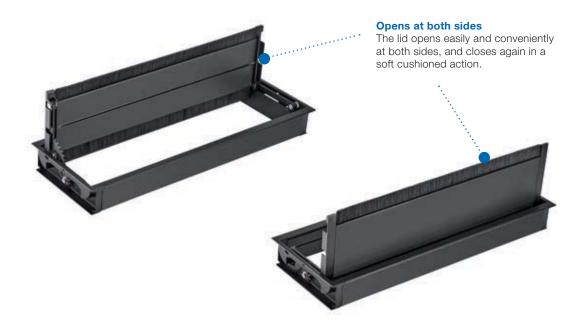
The lid opens easily and conveniently at both sides, and closes again in a soft cushioned action. The integrated brush insert prevents the cables from jamming. TWOFOLD COVER can also be retrofitted on existing equipment.

#### **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



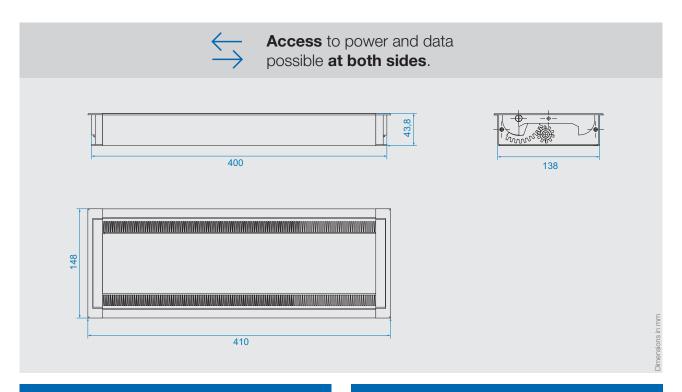
Tabletop thickness: min. 16mm



#### **TWOFOLD COVER**

#	<b>=</b>
943.001	Silver
943.002	White
943.003	Black





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

Waterial: 7	and and	arriiriidiri pit	JIIIC					
#	$\odot$	<u>:</u>	$\odot$	•••			<b>*</b>	C
Power input:	0.2m cable	and GST18i	3 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 ca	ible (black a	nd red) and	GST18i3 plu	g (black)			
912.024	1xblack 2xred					35°		3
912.025	2xblack 2xred					35°		2
Without pow	er input							
912.001						0°		6



#### **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.



C For suitable Custom Modules, see from page 180.

#### **Small CONI and CONI DUO power strips**

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

#	$\odot$	<u>:</u>	$\odot$				<b>*</b>	C
Power input:	: 0.2m cable	and GST18i	3 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 ca	ble (black a	nd red) and	GST18i3 plu	g (black)			
912.023	1 x black 1 x red					35°		1



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





### 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
- 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): 255x169x58mm Material: Mounting frame: steel sheet Socket: plastic, aluminium Mounting depth of frame: 56mm

Thickness of tabletop: all thicknesses (product is glued) Socket colour: black





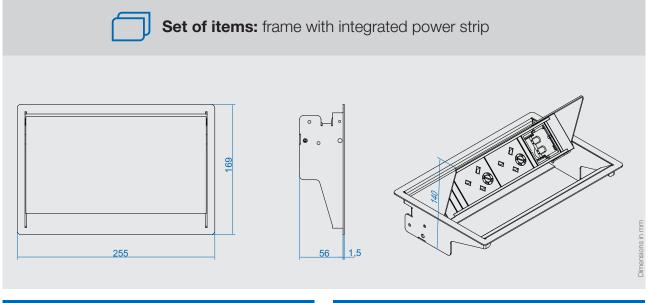
#### **CONEO SET**

CONLO	0						
#	$\odot$	Ŀ	$\odot$		5	<b>₹</b>	C
Grey metalli	ic (powder-co	ated, similar t	o RAL9006)   F	ower input: 0.2	2m cable and G	ST18 plug	
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









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**







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









#### **POWER FRAME COVER**

#	<b>=</b>
Large   Width	h: 383 mm   Mounting frame with aluminium flap for gluing into the furniture
915.504	Aluminium (anodised E8/EV1)
Medium   Wi	idth: 300mm   Mounting frame with aluminium flap for gluing into the furniture
915.502	Aluminium (anodised E8/EV1)
Small   Width	n: 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)





\* Observe compatibility table on page 197 onwards.



# **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 (WxHxD): 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





#### **POWER FRAME** mounting frame

#	
Large   Widt	h: 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)
Medium   W	idth: 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)
Small   Width	n: 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)



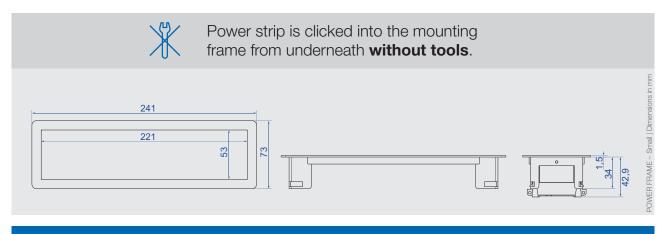
#### **Colour guides**



917.029

Set of 5 colour charts | Chart size  $120\,\mathrm{mm}\,\mathrm{x}\,64\,\mathrm{mm}$  | Colour chart set contains: Grey metallic (similar to RAL9006), Anthracite (similar to RAL7016), Black (similar to RAL9005), White (similar to RAL9010), Moonstone metallic





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

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

Section   Power input: 0.2m cable and GST183 plug   916.000   4   35°   2   356°   3   3   35°   4   4   4   4   4   4   4   4   4	#	$\odot$	<u></u>	$\odot$	•••	5	<b>1</b>	C
916.027 3 35° 35° 4 916.025 2 3 90° 3 916.026 3 90° 2 916.0361 3 90° 2 916.048 3 35° 4 916.023 2 35° 4 916.023 3 0° 3 916.024 3 0° 3 916.025 3 0° 3 916.026 3 0° 3 916.027 3 3° 4  Medium   Wicth: 262mm   Power input: 0.2m cable and GST1813 plug 916.173 3 90° 1 916.006 3 35° 1 916.006 3 35° 1 916.006 3 90° 1 916.006 3 90° 1 916.006 3 90° 1 916.007 1 95° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.008 3 90° 1 916.009 2 35° 2 916.001 1 95° 2 916.001 1 90° 2 916.001 1 90° 2 916.001 1 90° 1 916.002 3 35° 1 916.003 1 35° 1 916.003 1 35° 1 916.003 1 35° 1 916.003 1 35° 1 916.003 1 35° 1 916.003 1 90° 1 916.003 1 90° 1 916.003 1 90° 1 916.003 1 90° 1 916.003 1 90° 1 916.003 1 90° 1 916.004 2 90° 1 916.005 2 90° 1 916.005 1 90° 1 916.006 1 1 90° 1 916.007 2 90° 1 916.008 1 90° 1 916.008 1 90° 1 916.008 1 90° 1 916.009 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 3 1 90° 1 916.000 1 1 90° 1 916.000 1 1 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 2 90° 1 916.000 1 1 90° 1 1	Large   Width	n: 350 mm   Po	wer input: 0.2 m	n cable and GS	T18i3 plug			
916.025   2   96°   95°   4   96°   3   96°   3   96°   3   96°   2   2   916.086   3   90°   2   2   916.1110   4   35°   2   2   916.023   2   35°   4   4   916.023   2   35°   4   4   916.023   2   35°   4   4   916.023   3   3   3   3   3   3   3   4   4	916.030	4				35°		2
916.096	916.007	3				35°		3
916.0961 3 90° 2 916.1110 4 36° 2 916.048 3 35° 33 916.023 2 35° 4 916.023 2 35° 4 916.024 3 0° 4 3 916.024 3 0° 4  Medium   Width: 262mm   Power input: 0.2m cable and GST183 plug 916.173 3 95° 1 916.006 3 3° 1 916.006 3 3° 1 916.001 1 90° 4 916.0510 1 90° 4 916.0621 3 35° 1 916.0621 3 35° 1 916.0621 3 35° 1 916.0621 3 35° 1 916.0621 3 35° 1 916.0621 3 35° 1 916.0621 3 35° 1 916.0620 3 35° 1 916.0621 3 35° 4 916.0622 3 35° 4 916.0624 3 35° 4 916.0626 3 3 35° 4 916.0626 3 3 35° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0627 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0637 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30° 4 916.0638 3 30°	916.025	2				35°		4
916.1110	916.086		3			90°		3
916.048	916.0361		3			90°		2
916.023	916.1110			4		35°		2
916.123	916.048			3		35°		3
916.024	916.023			2		35°		4
Medium   Width: 262 mm   Power input: 0.2 m cable and GST18/3 plug           916.173         3         35°         •           916.006         3         35°         •         1           916.0514         2         35°         •         1           916.1000         2         35°         •         2           916.1000         1         35°         •         2           916.1229         3         90°         •         1           916.0520         3         90°         •         1           916.0519         2         90°         •         1           916.0519         2         90°         •         1           916.0519         2         90°         •         1           916.0516         1         90°         •         2           916.0516         1         90°         •         2           916.0621         3         35°         •         1           916.0627         2         35°         •         1           916.0628         1         35°         •         2           916.0000         2         35°         • <t< td=""><td>916.123</td><td></td><td></td><td></td><td>3</td><td>0°</td><td>•</td><td>3</td></t<>	916.123				3	0°	•	3
916.173 3 3 35°	916.024				3	0°		4
916.066 3 35° 1 916.0514 2 35° • 1 916.1000 2 35° • 1 916.0041 1 35° • 2 916.041 1 35° • 2 916.0529 3 90° • 1 916.0529 3 90° • 1 916.0519 2 90° • 1 916.0521 2 90° 2 916.0516 1 90° • 2 916.0521 3 35° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0628 1 35° • 1 916.0628 1 35° • 1 916.0628 1 35° • 1 916.0629 35° • 2 916.0639 1 35° • 2 916.0639 1 35° • 2 916.0640 2 35° • 1 916.070 2 90° • 1 916.092 2 90° • 1 916.093 1 90° • 1 916.093 1 90° • 1 916.093 1 90° • 1 916.094 2 90° • 1 916.095 1 90° • 1 916.096 2 90° • 1 916.097 1 90° • 1 916.098 2 2 90° 1 916.098 2 2 90° 1 916.099 1 1 90° • 1 916.091 1 90° • 1 916.092 3 35° • 1 916.094 1 90° • 1 916.094 1 35° • 1	Medium   Wi	dth: 262 mm   I	Power input: 0.5	2 m cable and (	GST18i3 plug			
916.0514	916.173	3				35°	•	
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° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0411 2 35° • 2 916.0628 1 35° • 1 916.0040 2 35° • 1 916.0000 2 35° • 1 916.001 1 35° • 1 916.010 1 90° • 1 916.010 2 90° • 1 916.010 2 90° • 1 916.010 1 90° • 1	916.006	3				35°		1
916.0041 1 90° • 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° • 2 916.0527 3 35° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0621 3 35° • 1 916.0411 2 35° • 2 916.0628 1 35° • 2 916.0628 1 35° • 2 916.0600 2 35° • 1 916.001 1 35° • 1 916.010 1 90° • 1 916.010 1 90° • 1 916.010 2 90° • 1 916.010 1 90° • 1	916.0514	2				35°	•	1
916.1229	916.1000	2				35°		2
916.0520	916.0041	1				35°	•	2
916.0519	916.1229		3			90°	•	
916.0821	916.0520		3			90°		1
916.0516	916.0519		2			90°	•	1
916.1227	916.0821		2			90°		2
916.0621 3 35° 1 916.0411 2 35°	916.0516		1			90°	•	2
916.0411	916.1227			3		35°	•	
916.047	916.0621			3		35°		1
916.0628       1       35°       ●       2         Small   Width: 220mm   Power input: 0.2m cable and GST18i3 plug       35°       ●         317.100       3       35°       ●         916.0040       2       35°       ●         916.000       2       35°       1         916.0039       1       35°       ●       1         916.001       1       35°       2         916.1129       3       90°       ●       916.1129       3       90°       ●         916.082       2       90°       •       1       916.082       2       90°       1       1       916.091       1       90°       •       1       916.091       1       90°       •       1       916.091       1       90°       •       1       916.002       2       35°       1       1       916.002       2       35°       •       1       916.004       1       35°       •       1       916.004       1       916.004       •       1       916.004       •       1       916.004       •       1       916.004       •       1       916.004       •       1       916.004       •	916.0411			2		35°	•	1
Small   Width: 220 mm   Power input: 0.2m cable and GST18i3 plug         317.100       3         916.0040       2         916.000       2         916.0039       1         916.001       1         916.1129       3         90°       90°         916.082       2         916.082       2         916.091       1         916.091       1         916.002       2         916.004       3         95°       1         916.002       2         916.003       1         916.004       3         0°       1         916.0270       1         1       0°         1       0°         2       2	916.047			2		35°		2
317.100       3       35°       •         916.0040       2       35°       •         916.000       2       35°       1         916.0039       1       35°       •       1         916.001       1       35°       •       1         916.1129       3       90°       •         916.100       2       90°       •       9         916.082       2       90°       •       1         916.091       1       90°       •       1         916.091       1       90°       •       1         916.002       3       35°       1         916.004       1       35°       •       1         916.003       1       35°       •       1         916.0270       1       0°       •       1         916.005       1       0°       •       1	916.0628			1		35°	•	2
916.0040       2         916.000       2         916.0039       1         916.001       1         916.001       1         916.1129       3         90°       •         916.100       2         916.082       2         916.082       2         916.091       1         916.091       1         916.002       3         916.002       2         916.004       1         916.003       1         916.004       3         916.005       1	Small   Width	: 220 mm   Pov	wer input: 0.2 m	cable and GS	T18i3 plug			
916.000       2         916.0039       1         916.001       1         916.001       1         916.1129       3         916.1129       3         916.100       2         916.082       2         916.082       2         916.0510       1         916.091       1         916.091       1         916.002       2         916.002       2         916.004       1         916.003       1         916.004       3         916.005       1	317.100	3				35°		
916.0039       1         916.001       1         916.001       1         916.1129       3         916.1129       3         916.100       2         916.010       2         90°       •         916.082       2         90°       •         916.0510       1         916.091       1         916.091       1         916.002       2         916.002       2         916.0042       1         916.0042       1         916.003       1         916.004       3         916.007       1         916.007       1         916.005       1	916.0040	2				35°	•	
916.001       1       35°       2         916.1129       3       90°         916.100       2       90°       •         916.082       2       90°       1         916.0510       1       90°       •       1         916.091       1       90°       2         317.102       3       35°       9         916.002       2       35°       1         916.004       1       35°       •       1         916.003       1       35°       2         916.004       3       0°       1         916.0270       1       0°       •       1         916.005       1       0°       •       1	916.000	2				35°		1
916.1129       3       90°         916.100       2       90°       •         916.082       2       90°       1         916.08510       1       90°       •       1         916.091       1       90°       2         317.102       3       35°       2         916.002       2       35°       1         916.004       1       35°       •       1         916.003       1       35°       2         916.004       3       0°       1         916.0270       1       0°       1         916.005       1       0°       2	916.0039	1				35°	•	1
916.100       2       90°       ●         916.082       2       90°       1         916.0510       1       90°       ●       1         916.091       1       90°       2         317.102       3       35°       9         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°       ●       1	916.001	1				35°		2
916.082     2     90°     1       916.0510     1     90°     •     1       916.091     1     90°     2       317.102     3     35°     2       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°     •     1	916.1129		3			90°		
916.0510     1       916.091     1       90°     2       317.102     3       916.002     2       916.0042     1       916.003     1       916.004     3       916.0070     1       916.005     1       90°     1       90°     1       916.005     1       90°     1       90°     2	916.100		2			90°	•	
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	916.082		2			90°		1
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	916.0510						•	
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	916.091		1			90°		2
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	317.102							
916.003     1     35°     2       916.004     3     0°     1       916.0270     1     0°     •     1       916.005     1     0°     •     2	916.002			2		35°		1
916.004     3     0°     1       916.0270     1     0°     •     1       916.005     1     0°     •     2	916.0042			1		35°	•	
916.0270       1       0°       ●       1         916.005       1       0°       2	916.003			1		35°		2
916.005	916.004				3	0°		1
	916.0270				1	0°	•	1
916.010 3	916.005				1	0°		
	916.010							3



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



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

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

#	$\odot$	$\odot$		5	<b>~</b>	C		
Small   Width	Small   Width: 220 mm   Power input: 0.2 m cable and GST18i3 plug   Front side: Socket   Back side: socket							
317.101	2			35°		2x CAT6 RJ45		
916.020			2	35°		1		
916.021			1	35°		2		
Small   Width	n: 220mm   Powe	r input: 2.0 m cab	le with ferrules an	d 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**

#	$\odot$	$\odot$	5	C				
Medium   Wid	Medium   Width: 262 mm   Power input: 0.2 m cable and GST18i3 plug							
916.0601	2		35°	2				
916.0611	1		35°	3				
Small   Width:	: 220mm   Power input: 0	.2 m cable and GST18i3 pl	lug					
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				



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





# **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 (WxHxD): 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

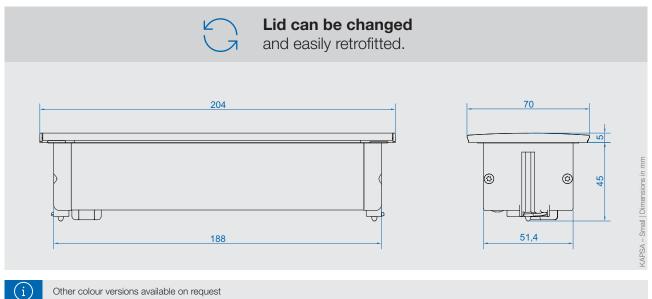




#### **KAPSA** lids

#	
Small   Width	n: 204 mm
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)
X-small   Wie	dth: 151 mm
927.300	Stainless steel look
927.301	Black (painted, similar to RAL9005)
927.302	White (painted, similar to RAL9010)
XX-small  W	lidth: 68mm
927.500	Stainless steel look
927.501	Black (painted, similar to RAL9005)
927.502	White (painted, similar to RAL9010)





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

For Custom Modules\*, see from page 197.

#### **Small KAPSA** power strips

	. п. Сл. рс	Wor our						
#	$\odot$	Ŀ	$\odot$	•••		Ö	<b>*</b>	C
Power input	t: 0.2m cable	with GST18	i3   Width 20	4mm				
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
Power input	t: 2.0 m cable	with ferrule	s and mount	ting plug   W	idth 204 mm			
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°	•	
Power inpu	t: 2.0 m cable	with moun	ted UK plug	Width 204 r	nm			
927.006		3 (13 A)				90°		
927.012		2 (13 A)				90°	•	
927.008		2 (13 A)				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.



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

#### X-small KAPSA power strips

#	$\odot$	<u></u>	$\odot$	•••	5	<b>-</b>
Power input	: 0.2m cable with	n GST18i3   Width	n 151 mm			
927.251	1				90°	•
927.257		1			90°	•
927.254			1		90°	•
927.260				1	0°	•
Power input	: 2.0m cable with	n ferrules and m	ounting plug   W	idth 151 mm		
927.200	2				90°	
927.201	1				90°	•
927.203			2		90°	
927.204			1		90°	•
927.209				2	0°	
927.210				1	0°	•
Power input	t: 2.0m cable wit	h mounted UK բ	olug   Width 151 r	nm		
927.206		2 (13A)			90°	
927.207		1 (13A)			90°	•











#### XX-small KAPSA power strips

#	$\odot$	<u></u>	$\odot$	•••		C
Power input:	: 2.0m cable witl	h ferrules and mo	ounting plug   Wi	dth 68 mm		
927.400	1				90°	
927.402			1		90°	
927.404				1	90°	
927.410						1
Power input: 2.0 m cable with mounted UK plug   Width: 68 mm						
927.406		1			90°	





Power strip and lid must be ordered separately

For suitable device supply cables, see from page 64.



C 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**









**Dimensions (WxHxD):** 139x67x49mm **Mounting depth without cable:** 45mm

Material: plastic

Thickness of tabletop: 10-40 mm

Socket colour: black

Lid colour variants:



#### **DUE** power strips

#	$\odot$		$\odot$	5	C
Power input	t: 0.2m cable with 0	SST18i3 plug			
929.010	2			90°	
929.030	1			90°	•
929.034		1		90°	•
929.012			2	90°	
929.032			1	90°	•
Power input	t: 2.0 m cable with f	errules and mountir	ng plug, included		
929.000	2			90°	
929.002			2	90°	
Power input	t: 2.0 m cable with n	nounted UK plug			
929.004		2 (13A)		90°	

#### **DUE** power strips with Custom Module USB charger

#	$\odot$	<u>:</u>	$\odot$		*
Power input	t: 0.2m cable with G	ST18i3 plug and T-	distributor		
929.040	1			90°	•
929.044		1		90°	•
929.042			1	90°	•







Power strip and lid must be ordered separately

For suitable device supply cables, see from page 64.



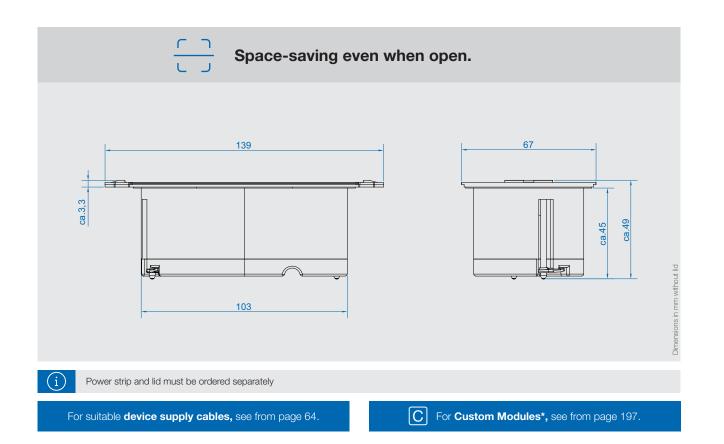
C For Custom Modules\*, see from page 197.



#### **DUE** lid

#	<b>Ξ</b>
929.100	Stainless steel look surface
929.101	Black (similar to RAL9005)
929.102	White (similar to RAL9010)





#### **Accessories**









# **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 40 mm, 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 (Hx diameter): 42.5x115mm Mounting depth: 40mm Tabletop thickness: as of 8mm Material: Cover disc: metal Socket: plastic

Socket colour: black Colour variants:







Watch the TWIST installation video on YouTube



#### **TWIST**

TWIST						
#	$\odot$	$\odot$	<b>€.•</b> >	•••	*	K
		put: 2.0 m cable v	with ferrules and	mounting plug, inclu	ıded	
931.000	2					
931.031	1				•	
931.002		2				
931.032		1			•	
931.008			2 (T23)			
931.030				2		
Matt chrome	Power input: 2.0	m cable with ferr	rules and mount	ing plug, included		
931.021	2					
931.016		2				
Matt chrome	Power input: 0.2	2m cable and GS	T18 plug			
931.033	1				•	
931.001	1					2
931.034		1			•	
931.003		1				2
931.009			1 (T13)			2
Matt black (pa	inted, similar to RA	L9005)   Power inp	out: 2.0 m cable v	vith ferrules and moun	ting plug, included	
931.150	2					
931.131	1				•	
931.152		2				
931.132		1			•	
931.130				2		
Matt black (p.	ainted, similar to F	RAL9005)   Power	r input: 0.2 m ca	ble and GST18 plug		
931.133	1					2
931.134		1				2
Matt white (pa	ainted, similar to R	AL9010)   Power i	nput: 2.0 m cable	e with ferrules and mo	ounting plug, inclu	ded
931.250	2	, ,			5, 15, 11	
931.231	1				•	
931.252		2				
931.232		1			•	
931.280				2		
	ainted similar to F	RAL 9010)   Power	rinnut: 0.2m.ca	ble and GST18 plug		
931.233	1	, 10)   1 OWE	put. 0.2111 0a	Sis and Got to plug		2
931.234		1				2
		•				-







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



#### **TWIST COLOUR**

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

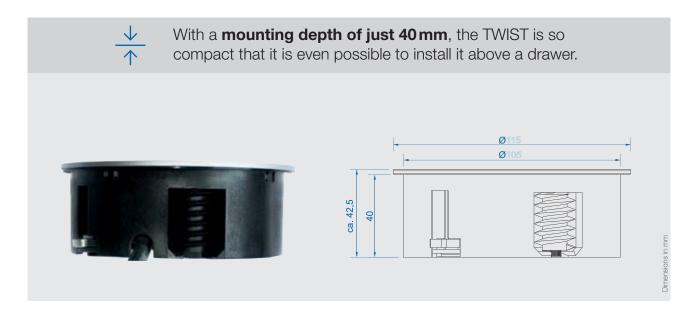




#### **Accessories**









### 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



Material: plastic



#### **LOOP IN**

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

$\odot$	$\odot$
to RAL9005)	
1	
	1
to RAL9003)	
1	
	1
	1







938.101





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





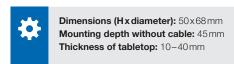
The stylish PIX range is a collection of delicate, round sockets and connection units that can be used in many different ways – in the office, kitchen, public lounges or at home.

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



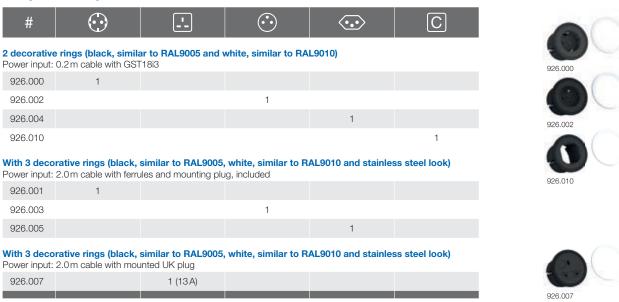


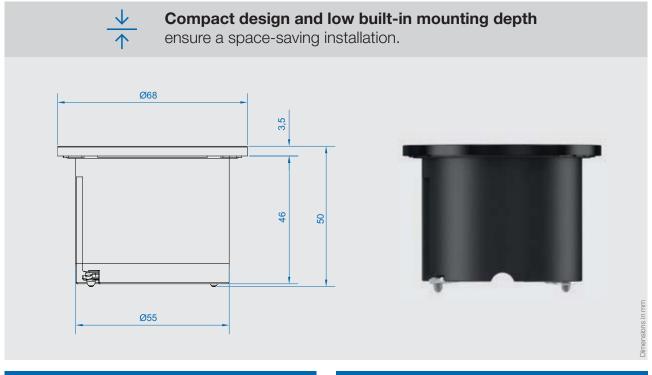






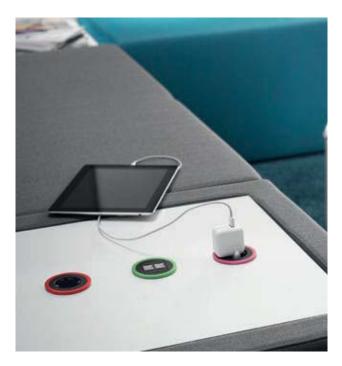
#### **PIX** power strips





For suitable  $\ensuremath{\mbox{device}}$  supply cables, see from page 64.

C 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)

#### PIX decorative ring sets

#	
926.200	Classic   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	Stainless steel look   25 decorative rings in stainless steel look
926.207	Stainless steel Black White   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)

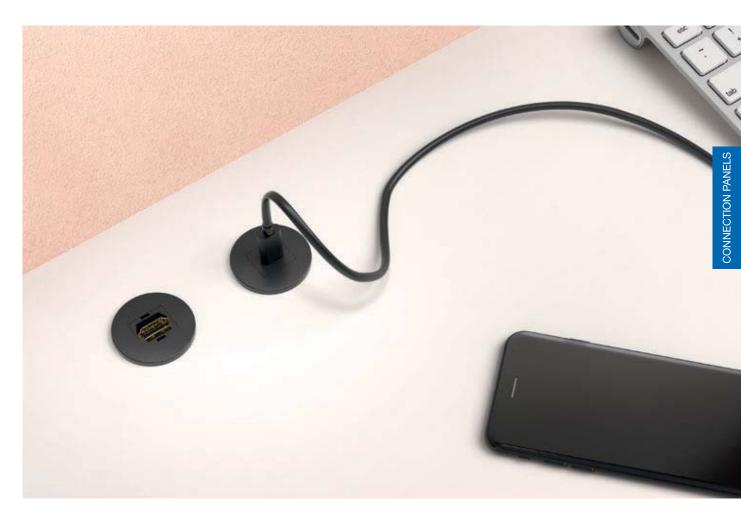
#### Accessories







PIX decorative rings available in eight colour variants



## **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





Dimensions (HxØ): 23x35mm

**Mounting depth:** approx. 55 - 120 mm needed (depending on keystone and cable used)

Material: plastic



## **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 (Hx diameter): 230x114mm Mounting depth (without cable): 135mm Thickness of tabletop: 16-60mm Material: Profile: aluminium Socket material: plastic Socket colour: black Colour variants:



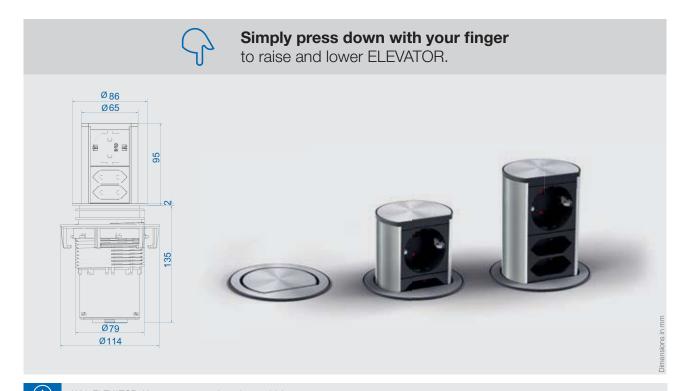
Watch the ELEVATOR installation video on YouTube



#### **ELEVATOR**

LLLVAI	On								
#	$\odot$	<u></u>	$\odot$	•••	••			<b>*</b>	K
Stainless st	eel look   F	Power input	: 2.0 m cab	le with ferru	les and mo	unting 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 chrom	e   Power ir	nput: 0.5 m	cable and G	GST18 plug,	3.0 m data	a cables incl	. plug/sock	et	
928.004	1						90°		2x CAT6
928.005	1						90°		1 x CAT6 1 x USB 3.0 A
928.006	1						90°		1 x CAT6 1 x HDMI
928.026		1 (5 A)					90°	•	
928.039		1 (5A)					90°		1 x CAT6 1 x USB 3.0 A
928.008			1				90°		2x CAT6
928.009			1				90°		1 x CAT6 1 x USB 3.0 A
928.010			1				90°		1 x CAT6 1 x HDMI
928.035				1 (T13)			90°		2x CAT6





With ELEVATOR, Keystones are not interchangeable!

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

#### **Accessories**













## **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 FLEVATOR
- Can be mounted quickly and easily on the wall or in a corner
- Suitable for subsequent assembly

#### **ELEVATOR COVER**





Stainless steel look | Cover: black

928.902

Housing to hold ELEVATOR  $\mid$  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 (Hx diameter): 266×210 mm

Hole diameter: 140 mm

Mounting depth without cable: 184mm Material: Housing and lid: plastic Profile: aluminium Thickness of tabletop: 10-60mm

Socket colour: black

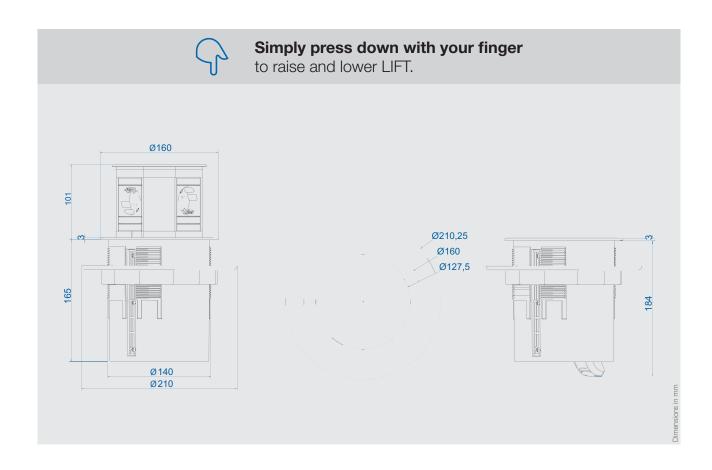
Colour variants:

150











#### LIFT black

LII I DIA	OK								
#	$\odot$	<u></u>	$\odot$	•••		<b>4</b>	C		
Power input	: 0.5 m cable	e and GST18	Bi3 plug						
904.000	4				35°				
904.020		4			90°			904.000	1 t 1 t 1
904.004			4		35°				
904.024				4	0°				
Power input	: 3.0 m cable	e and right-a	angled plug v	vith earthing	contact   Da	ıta cable 3.0	)m		
904.001	3				35°		2x CAT6	904.001	
904.0001	2				35°	•	2x CAT6		
904.002	2				35°		2x CAT6 1x VGA+miniature jack		1 =
904.003	2				35°		2x CAT6 2x USB	904.0001	) ±1 📟
904.045	1				35°		2x CAT6 1x VGA+miniature jack 1x HDMI	904.002	· aa 💒
904.021		3			90°		2x CAT6		
904.023		2			90°		2x CAT6 2x USB		
904.022		2			90°		2x CAT6 1x VGA+miniature jack		e e e
904.005			3		35°		2x CAT6	004.000	tata o
904.007			2		35°		2x CAT6 2x USB	904.003	
904.006			2		35°		2x CAT6 1x VGA+miniature jack		
904.025				3	0°		2x CAT6		
904.026				2	0°		2x CAT6 1x VGA+miniature jack		
904.027				2	0°		2x CAT6 2x USB	904.045	l 🍰 =
904.0100				2	0°		2× CAT6 1× HDMI		



#### **LIFT** silver

#	$\odot$	$\odot$	5	C
Power input:	0.5m cable and GST18	i3 plug		
904.008	4		35°	
904.012		4		
Power input:	3.0 m cable and right-a	ngled plug with earthing	g contact   Data cable 3.0	0 m
904.009	3		35°	2x CAT6
904.011	2		35°	2x CAT6 2x USB
904.010	2		35°	2 x CAT6 1 x VGA + miniature jack
904.052	1		35°	2x CAT6 1x VGA+miniature jack 1x HDMI



#### **Accessories**







## 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):** 20x90 mm **Hole diameter:** 79 mm

Material: Housing: Aluminium

Mounting depth without cable: 20-50 mm

Tabletop thickness: Max. 50 mm

Colour variants:

Tabletop thickness. Max. 301

#### **WIRELESS CHARGER Fs80**



934.001

Black (similar to RAL9005) | Qi standard: WPC1.2 | Input: 5V/9VDC | Output: 5V/9VDC | "Quick Charger" power supply unit 934.900 required for fast charging (9 V) | Charging distance:  $0-8\,\text{mm}$  | For  $79\,\text{mm}$  standard hole |  $1.5\,\text{m}$  cable with USB  $2.0\,\text{A}$  / micro  $2.0\,\text{B}$  supplied



#### "Quick Charger" power supply unit

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

#		•••
934.901	1	
934.900		1



#### **Accessories**

#	
Hole saw   F	or 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







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 (WxHxD): see table x 85 x 100 mm

Material: Profile: aluminium Socket: plastic Tabletop thickness: 10-40mm Socket colour: black

Colour variants:



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

#	$\odot$	<u>:</u>	$\odot$	•••		$\bigcirc$	4	C	<b>K</b> →
Without devi	ice suppl	y cable	Power inp	ut: 0.2 m v	vith GST18	Includin	g mountin	g 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: 0.2 m with GST18 | Including mounting bracket | 1.5 m separate device supply cable GST18/earthing contact

supply cable	00110/00	artriinig cor	παστ				
902.302	3				35°	2xCAT6 coupling socket/socket 1xUSB A/A 3.0 Keystone module 1xHDMI Keystone socket/socket	282 mm
902.301	3				35°	1xCAT6 coupling socket/socket 1xUSB A/A 3.0 Keystone module	239 mm
902.300	3				35°		197 mm

















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

#	$\odot$	<u></u>	$\odot$	•••			•	C	<del>K</del> →
Without devi	ice supply	y cable   F	Power inpu	ıt: 0.2m wi	ith 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	319mm



902.502	3			35°	2xCAT6 coupling socket/socket 1xUSB A/A 3.0 Keystone module 1xHDMI 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

















For suitable device supply cables, see from page 64.





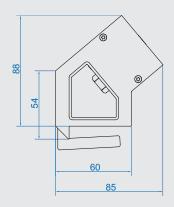
#### **DESK 2 power strips – black, similar to RAL9005**

			,						
#	$\odot$		$\odot$	•••		5	<b>*</b>	С	<del>K</del> →
Without dev	ice supply	cable   Pov	wer input: 0.	.2m with GS	ST18   Includ	ding mountir	ng 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.



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

#	$\odot$	<u></u>	$\odot$	•••	5	4	C	К─Ж
Without dev	rice supply c	able   Power	input: 0.2 m	with GST18	Including mo	unting bracke	et	
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**

#	
DESK 2 cab	le guide   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
DESK 2 adh	esive base   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
Mounting br	acket for tabletop thicknesses of 25 to 50mm
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







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



Socket colour: black

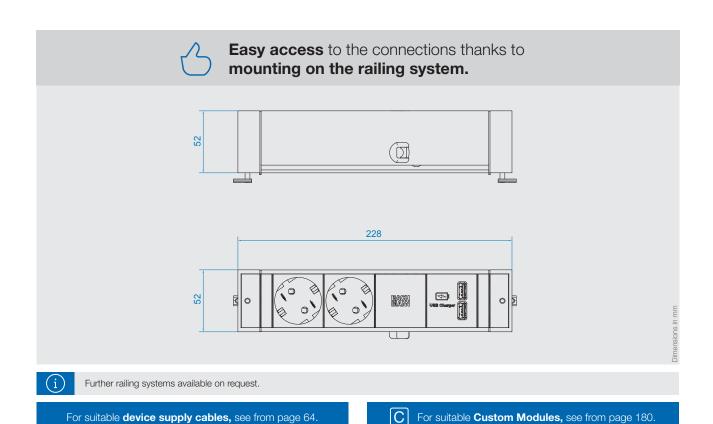
Colour variants:

#### **DESK RAIL**

- · Profile colour: Grey
- · End cap colour: black
- · Compatible with the following railing systems: BENE, NOVUS, K&N, Steelcase, VS etc.

#	$\odot$	i.	$\odot$	•••	5	*	C	к−->
Without dev	rice supply o	able   Power	input: 2.0 m	with GST18				
941.001	2				35°	•	1	270 mm
941.101	2				35°	•		228 mm
941.003		2			45°	•	1	295 mm
941.103		2			45°	•		253 mm
941.002			2		35°	•	1	270 mm
941.102			2		35°	•		228 mm
941.004				2	90°	•	1	300 mm
941.104				2	90°	•		258 mm







## 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 (WxHxD): 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   900: 0049	#	$\odot$	<u></u>		•••			<u> </u>	4	C	K→
902.017 3 3 36°	Power input	: GST18	Power ou	ıtput: GS1	Г18						
902.0050 3	902.0049	4					35°				271 mm
902.003 3 3 366mm 902.002 3 3 366mm 902.001 3 365° 2 324mm 902.000 3 35° 2 324mm 902.004 3 35° 2 324mm 902.008 3 35° 1 281mm 902.0183 2 35° • 2 324mm 902.0183 2 35° • 1 281mm 902.0182 2 35° • 1 281mm 902.0192 2 35° • 1 281mm 902.0382 1 35° • 1 281mm 902.0382 1 35° • 1 36° 197mm 902.0382 1 35° • 2 359mm 902.0261 2 45° • 2 359mm 902.0261 2 45° • 2 359mm 902.084 2 45° • 1 316mm 902.089 2 90° 3 344mm 902.090 2 45° 2 346mm 902.017 2 45° 1 276mm 902.017 2 376mm 902.017 2 366mm 902.018 2 369mm 902.019 2 369mm 902.019 2 369mm 902.010 3 36° 1 281mm 902.000 3 344mm 902.001 2 369mm 902.001 3 36° 2 366mm 902.001 3 36° 3 366mm 902.002 3 3 35° 4 4 409mm 902.003 3 35° 4 2 365mm 902.005 3 35° 2 365mm 902.006 3 3 35° 2 365mm 902.006 3 3 35° 2 365mm 902.007 3 3 35° 4 4 409mm 902.008 3 36° 2 365mm 902.009 3 30° 3 344mm	902.017	3					35°	•		1	324 mm
902.002 3 3 366mm 902.001 3 365° 2 324mm 902.000 3 3 35° 1 281mm 902.008 3 35° 229mm 902.0183 2 35° • 2 324mm 902.0182 2 35° • 1 281mm 902.0192 2 35° • 1 281mm 902.0192 2 35° • 1 281mm 902.038 1 35° • 197mm 339.1020 4 4 45° 356mm 902.0281 2 45° • 2 359mm 902.0281 2 45° • 2 359mm 902.0384 2 45° • 1 316mm 902.0384 2 45° • 1 316mm 902.066 2 45° • 2 359mm 902.009 2 90° 3 344mm 902.1017 2 45° 1 276mm 902.1018 2 45° 2 366mm 902.006 3 35° 1 281mm 902.007 3 35° • 1 281mm 902.006 3 35° • 1 281mm 902.006 3 35° • 1 281mm 902.007 3 35° • 1 281mm 902.007 3 35° • 1 281mm 902.006 3 35° 1 281mm 902.006 3 35° 1 281mm 902.006 3 3 35° 1 281mm 902.006 3 3 35° 1 281mm 902.006 3 3 35° • 2 369mm 902.006 3 3 35° 1 281mm 902.007 3 3 35° 4 409mm 902.006 3 3 35° 1 281mm 902.006 3 3 35° 0 29mm 902.006 3 3 35° 0 3 36mm 902.006 3 3 35° 0 3 344mm 902.007 3 3 35° 0 3 36mm 902.008 3 3 35° 0 3 344mm 902.009 3 3 35° 0 3 344mm 902.009 3 3 35° 0 3 344mm 902.009 3 3 0° 1 281mm 902.009 3 0° 2 334mm 902.009 3 0° 1 288mm 902.009 3 0° 1 288mm 902.009 3 0° 1 288mm	902.0050	3					35°	•			271 mm
902.001 3	902.003	3					35°			4	409 mm
902.000 3 3 35° 1 281 mm 902.0048 3 3 35° 229 mm 902.0183 2 35° 229 mm 902.0182 2 35° 1 281 mm 902.0192 2 35° 1 281 mm 902.02082 1 35° 1 197 mm 339.1020 4 4 45° 359 197 mm 902.0261 2 45° 2 359 mm 902.0261 2 45° 1 316 mm 902.1014 2 45° 1 316 mm 902.1017 2 45° 1 274 mm 902.0089 2 90° 3 344 mm 902.024 2 45° 2 346 mm 902.1017 2 45° 1 276 mm 902.007 3 35° 4 409 mm 902.007 3 35° 4 409 mm 902.006 3 35° 2 365 mm 902.007 3 35° 2 365 mm 902.006 3 35° 2 365 mm 902.006 3 35° 2 365 mm 902.006 3 35° 1 281 mm 902.007 3 35° 1 281 mm 902.006 3 35° 1 281 mm 902.007 3 35° 2 365 mm 902.006 3 35° 2 324 mm 902.008 3 0° 3 344 mm 902.010 3 0° 3 344 mm 902.010 3 0° 3 344 mm 902.008 3 0° 2 301 mm 902.008 3 0° 2 301 mm 902.009 3 0° 2 301 mm 902.009 3 0° 2 301 mm 902.008 3 0° 2 302 mm 902.010 3 0° 2 301 mm 902.009 1 3 00° 2 2 304 mm 902.009 1 3 0° 2 324 mm 902.010 3 0° 2 301 mm 902.009 1 3 0° 2 29 mm 902.010 1 2 90° 1 2 324 mm 902.010 1 2 90° 1 2 324 mm 902.010 1 3 0° 2 29 mm 902.010 1 3 0° 2 29 mm 902.010 1 3 0° 2 29 mm 902.010 1 2 90° 1 3 301 mm 902.009 1 3 00° 1 2 301 mm 902.008 3 0° 2 2 304 mm 902.008 3 0° 2 2 304 mm 902.009 1 3 00° 1 2 301 mm 902.009 1 3 00° 1 2 301 mm 902.009 1 3 00° 1 2 301 mm	902.002	3					35°			3	366 mm
902.0048 3 3 35° 229mm 902.0183 2 35° • 2 324mm 902.0182 2 35° • 1 281mm 902.0192 2 35° • 1281mm 902.0382 1 35° • 197mm 339.1020 4 45° • 2 359mm 902.0261 2 45° • 2 359mm 902.0184 2 45° • 1 316mm 902.166 2 45° • 274mm 902.0089 2 90° 3 344mm 902.017 2 45° 1 276mm 339.1018 2 45° 229mm 902.007 3 35° 4 409mm 902.007 3 35° 4 409mm 902.006 3 35° 271mm 902.006 3 35° 2 366mm 902.006 3 35° 2 369mm 902.006 3 35° 3 360mm 902.008 3 30° 3 344mm 902.008 3 0° 3 344mm 902.009 3 0° 4 2 301mm 902.008 3 0° 4 2 301mm 902.009 3 0° 5 2 324mm 902.009 3 0° 5 2 324mm 902.008 3 0° 6 2 324mm 902.009 3 0° 6 1 301mm 902.009 902.001 3 0° 6 2 324mm	902.001	3					35°			2	324 mm
902.0183   2   35°   • 2 324mm   902.0182   2 35°   • 1 281mm   902.0192   2 35°   • 1 281mm   902.0382   1 35°   • 197mm   339.1020   4 4 45°   • 2 359mm   902.0261   2 45°   • 1 316mm   902.166   2 45°   • 274mm   902.088   2 90°   3 344mm   902.089   2 45°   229mm   902.0184   2 45°   2 346mm   902.1016   2 45°   229mm   902.0184   2 45°   2 346mm   902.0194   2 45°   2 346mm   902.0195   3 39.1018   2 45°   229mm   902.006   3 35°   4 409mm   902.006   3 35°   4 409mm   902.006   3 35°   2 365mm   902.006   3 35°   2 324mm   902.0185   2 35°   • 1 281mm   902.0185   2 35°   • 1 281mm   902.0185   2 35°   • 1 281mm   902.0195   2 301mm   902.0195   3 0°   2 301mm   902.0195   3 0°   2 301mm   902.0195   3 0°   2 301mm   902.0195   2 90°   • 2 324mm   902.0161   3 335°   • 3 334mm   902.0161   3 335°	902.000	3					35°			1	281 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           902.066         2         45°         •         274 mm           902.089         2         90°         3         344 mm           902.024         2         45°         2         346 mm           902.024         2         45°         2         346 mm           902.1017         2         45°         229 mm           902.1076         4         35°         271 mm           902.007         3         35°         4         409 mm           902.008         3         35°         366 mm         2         366 mm           902.005         3         35°         2         365 mm         2         365 mm           902.006         3 <td< td=""><td>902.0048</td><td>3</td><td></td><td></td><td></td><td></td><td>35°</td><td></td><td></td><td></td><td>229 mm</td></td<>	902.0048	3					35°				229 mm
902.0192 2 902.0382 1 902.0382 1 336°	902.0183	2					35°		•	2	324 mm
902.0382 1 35° ● 197 mm 339.1020 4 4 46° 356 mm 902.0261 2 45° ● 2 359 mm 902.0184 2 45° ● 1 316 mm 902.0166 2 45° ● 274 mm 902.0089 2 90° 3 344 mm 902.024 2 45° 2 29 mm 902.1017 2 45° 1 276 mm 339.1018 2 45° 229 mm 902.007 3 35° 4 409 mm 902.006 3 35° 2 366 mm 902.006 3 35° 2 366 mm 902.006 3 35° 2 366 mm 902.005 3 35° 2 366 mm 902.006 3 35° 0 238 mm 902.006 3 35° ● 1 281 mm 902.01313 3 35° ● 2 324 mm 902.088 2 35° ● 1 281 mm 902.088 2 35° ● 1 281 mm 902.010 3 0° 3 344 mm 902.010 3 0° 2 29 mm 902.010 3 0° 3 344 mm 902.010 3 0° 2 29 mm 902.010 3 0° 3 344 mm 902.010 3 0° 3 344 mm 902.010 3 0° 3 344 mm 902.010 3 0° 1 258 mm 902.110 2 90° • 2 324 mm 902.0161 2 90° • 2 324 mm 902.0161 2 90° • 2 324 mm 902.0161 2 90° • 1 301 mm 902.0578 2 90° • 1 301 mm 902.0578 2 90° • 1 301 mm 902.0578 2 90° • 1 301 mm	902.0182	2					35°		•	1	281 mm
339,1020       4       45°       356mm         902,0261       2       45°       •       2       359mm         902,0184       2       45°       •       1       316mm         902,166       2       45°       •       274mm         902,0089       2       90°       3       344mm         902,024       2       45°       2       346mm         902,1017       2       45°       1       276mm         339,1018       2       45°       229mm         902,1076       4       35°       271 mm         902,007       3       35°       4       409mm         902,006       3       35°       3       366mm         902,005       3       35°       2       365mm         902,004       3       35°       2       365mm         902,005       3       35°       1       281mm         902,01313       3       35°       2       324mm         902,0562       2       35°       •       2       324mm         902,068       2       35°       •       1       281mm         902,068	902.0192	2					35°		•		281 mm
902.0261 2 45°	902.0382	1					35°		•		197 mm
902.0184	339.1020		4				45°				356 mm
902.166	902.0261		2				45°		•	2	359 mm
902.0089       2       90°       3       344mm         902.024       2       45°       2       346mm         902.1017       2       45°       1       276mm         339.1018       2       45°       229mm         902.1076       4       35°       271mm         902.007       3       35°       4       409mm         902.006       3       35°       2       365mm         902.005       3       35°       2       365mm         902.004       3       35°       2       365mm         902.004       3       35°       229mm         902.0562       2       35°       2       324mm         902.0562       2       35°       2       324mm         902.068       2       35°       1       281 mm         902.088       2       35°       239mm       189mm         339.110       4       0°       242mm         902.010       3       0°       3       344mm         902.1804       3       0°       2       301 mm         902.0161       2       90°       2       324mm	902.0184		2				45°		•	1	316mm
902.024 2 45° 2 346mm 902.1017 2 45° 1 276mm 339.1018 2 45° 229mm 902.1076 4 35° 271mm 902.007 3 35° 4 409mm 902.006 3 35° 2 365mm 902.005 3 35° 2 365mm 902.004 3 35° 1 281mm 902.1313 3 35° 2 29mm 902.0562 2 35° • 1 281mm 902.068 2 35° • 1 281mm 902.068 2 35° • 1 281mm 902.1309 1 35° • 189mm 339.110 4 0° 242mm 902.010 3 0° 3 344mm 902.009 3 0° 2 301mm 902.008 3 0° 2 29mm 902.010 3 0° 2 301mm 902.009 3 0° 2 301mm 902.009 3 0° 2 301mm 902.009 5 3 0° 5 2 324mm 902.010 5 3 0° 5 2 324mm 902.010 5 3 0° 5 2 324mm 902.010 5 3 0° 5 2 301mm 902.010 5 3 0° 5 2 301mm 902.010 6 3 0° 7 2 301mm 902.010 7 3 0° 7 2 301mm 902.010 8 3 0° 7 2 324mm 902.010 902.010 90° • 2 324mm 902.010 902.010 90° • 2 324mm 902.0100 902.010 90° • 2 324mm	902.166		2				45°		•		274 mm
902.1017         2         45°         1         276mm           339.1018         2         45°         229mm           902.1076         4         35°         271 mm           902.007         3         35°         4         409 mm           902.006         3         35°         2         365 mm           902.005         3         35°         2         365 mm           902.004         3         35°         1         281 mm           902.0313         3         35°         229 mm           902.0562         2         35°         1         281 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           902.0161         2         90°         2         232 mm           902.0578         2         90°         1         301 mm     <	902.0089		2				90°			3	344 mm
339.1018 2 45° 229mm 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° • 1281 mm 902.068 2 35° • 139 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° 2 29 mm 902.010 3 0° 2 301 mm 902.009 3 0° • 2 324 mm 902.010 3 0° 5 3 344 mm 902.010 3 0° 5 2 301 mm	902.024		2				45°			2	346mm
902.1076	902.1017		2				45°			1	276mm
902.007       3       35°       4       409mm         902.006       3       35°       3       366mm         902.005       3       35°       2       365mm         902.004       3       35°       1       281mm         902.1313       3       35°       229mm         902.0562       2       35°       •       2       324mm         902.0185       2       35°       •       1       281mm         902.068       2       35°       •       189mm         902.1309       1       35°       •       189mm         339.110       4       0°       242mm         902.010       3       0°       3       344mm         902.009       3       0°       2       301mm         902.008       3       0°       2       301mm         902.1804       3       0°       2       324mm         902.1611       2       90°       •       2       324mm         902.0578       2       90°       •       1       301mm         902.0914       3       35°       1       298mm	339.1018		2				45°				229 mm
902.006 3 3 35° 3 366mm 902.005 3 35° 2 365mm 902.004 3 35° 1 281mm 902.1313 3 35° 229mm 902.0562 2 35° • 2 324mm 902.0185 2 35° • 1 281mm 902.068 2 35° • 1 281mm 902.1309 1 35° • 189mm 339.110 4 0° 242mm 902.010 3 0° 3 344mm 902.009 3 0° 2 301mm 902.008 3 0° 2 301mm 902.008 3 0° 2 301mm 902.009 3 0° 2 301mm 902.008 3 0° 5 2 301mm 902.010 3 0° 5 2 301mm	902.1076			4			35°				271 mm
902.005       3       35°       2       365mm         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         902.1804       3       0°       2       324 mm         902.0578       2       90°       •       1       301 mm         902.1992       2       0°       •       239 mm         902.0914       3       35°       1       298 mm	902.007			3			35°			4	409 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         902.0161       2       90°       •       2       324 mm         902.0578       2       90°       •       1       301 mm         902.0914       3       35°       1       298 mm	902.006			3			35°			3	366 mm
902.1313       3       35°       229mm         902.0562       2       35°       •       2       324mm         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°       2       301 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	902.005			3			35°			2	365 mm
902.0562       2       35°       ●       2       324mm         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°       2       301 mm         902.1804       3       0°       1       258 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	902.004			3			35°			1	281 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	902.1313			3			35°				229 mm
902.068       2       35°       ●       239mm         902.1309       1       35°       ●       189mm         339.110       4       0°       242mm         902.010       3       0°       3       344mm         902.009       3       0°       2       301mm         902.008       3       0°       1       258mm         902.1804       3       0°       229mm         902.0161       2       90°       •       2       324mm         902.0578       2       90°       •       1       301mm         902.1992       2       0°       •       239mm         902.0914       3       35°       1       298mm	902.0562			2			35°		•	2	324 mm
902.1309 1 35° ● 189mm 339.110 4 0° 242mm 902.010 3 0° 3 344mm 902.009 3 0° 2 301mm 902.008 3 0° 1 258mm 902.1804 3 0° 229mm 902.0161 2 90° ● 2 324mm 902.0578 2 90° ● 1 301mm 902.1992 2 0° ● 239mm 902.0914 3 35° 1 298mm	902.0185			2			35°		•	1	281 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	902.068			2			35°		•		239 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	902.1309			1			35°		•		189 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	339.110				4		0°				242 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	902.010				3		0°			3	344 mm
902.1804     3     0°     229mm       902.0161     2     90°     •     2     324mm       902.0578     2     90°     •     1     301 mm       902.1992     2     0°     •     239 mm       902.0914     3     35°     1     298 mm	902.009				3		0°			2	301 mm
902.0161       2       90°       •       2       324mm         902.0578       2       90°       •       1       301 mm         902.1992       2       0°       •       239 mm         902.0914       3       35°       1       298 mm	902.008				3		0°			1	258 mm
902.0578     2     90°     •     1     301 mm       902.1992     2     0°     •     239 mm       902.0914     3     35°     1     298 mm	902.1804				3		0°				229 mm
902.1992 2 0° ● 239mm 902.0914 3 35° 1 298mm	902.0161				2		90°		•	2	324 mm
902.0914 3 35° 1 298 mm	902.0578				2		90°		•	1	301 mm
	902.1992				2		0°		•		239 mm
902.0179 2 35° • 1 293mm	902.0914					3	35°			1	298 mm
	902.0179					2	35°		•	1	293 mm





Standard items are supplied without mounting brackets

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

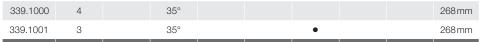


C For suitable Custom Modules, see from page 180.

#### **DESK 1** power strips – with cable

	•								
#	$\odot$		$\odot$	•••	5	0	•	С	K──>I
Power input	: 1.0m with	n 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	316mm
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	314mm



















#### **DESK 1 power strips - equipped**



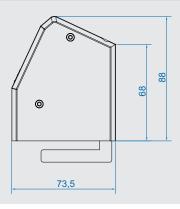
#### Power input: GST18i3 plug | Power output: GST18i3 socket | Incl. standard mounting bracket and

SCIEWS				
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





#### Individual equipment options entirely according to your wishes.



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

DESK 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.

#### **DESK 1 plus STEP combined**

The ideal overall solution is a combination of DESK 1 and STEP power strips. DESK 1 provides easy access to power and data connections for various devices (laptop, mobile phone, USB etc.) whilst the STEP power strip under the 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**

Accessories						
#						
918.001	Mounting brackets, narrow for tabletop thickness up to 50 mm Stainless steel, material thickness 3 mm   Contents: 2 stainless steel mounting brackets, 2 M5 x 45 mm Allen bolts					
930.120	Mounting brackets, standard for tabletop thickness up to 50 mm  Anodised aluminium, material thickness approx. 9 mm   Contents: 2x mounting clamps, anodised aluminium profile, 2x Allen bolts M5 x 60 mm					
930.180	Mounting brackets, long for tabletop thickness up to 80 mm Long mounting bracket 50–80 mm   Contents: 2xmounting clamps, painted black, similar to RAL9011, 2xM5x45 mm Allen bolts, 2xM5x60 mm Allen bolts					
930.183	Chipboard screw for DESK end caps, for tabletop thicknesses over 15 mm Contents: 2 x screws, 4 x 90 mm, 2 x brass threaded sleeve					
930.182	Mounting plate Black plastic   Mounting plates for attachment to DESK end caps Contents: 2xmounting plates, 2xscrews, 2xtesa Powerstrip®					



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## **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



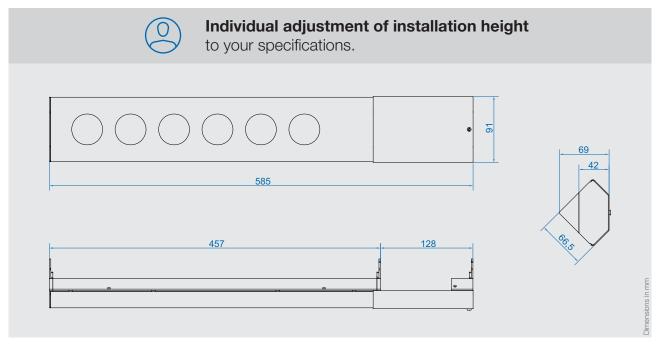
Colour variants:

#### **CASIA** power strip

#	$\odot$	$\odot$	<b>-</b>
Power input:	2.0 m H05VV-F 3G 1.5 mm <sup>2</sup> with	mounting plug, enclosed	
923.006	4		
923.010		4	
Power input:	2.0 m H05VV-F 3G 1.5 mm <sup>2</sup> with	mounting plug, enclosed   1x r	ocker switch
923.008	4		•
923.007	4		
		4	•
923.012		'	_









## **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.



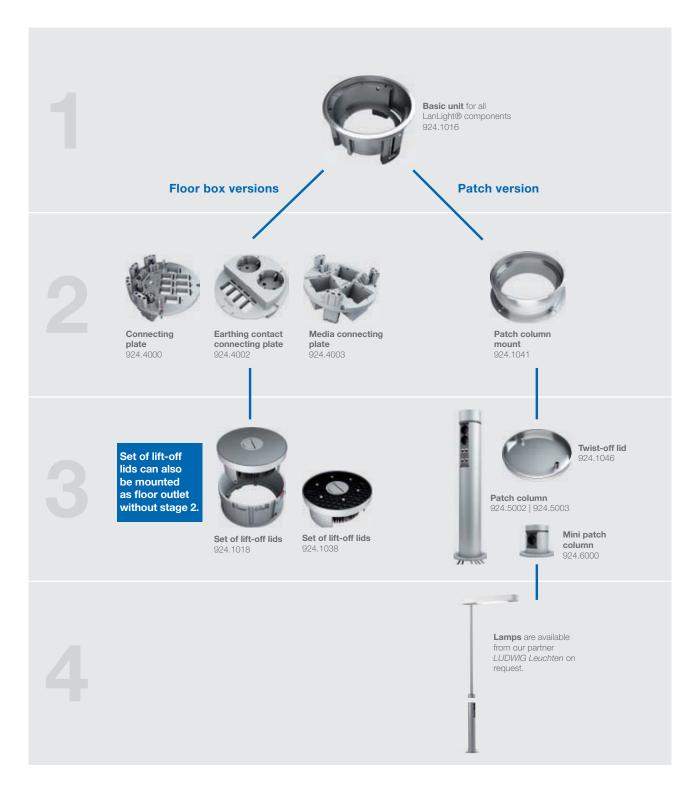
#### **BENEFITS**

- 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

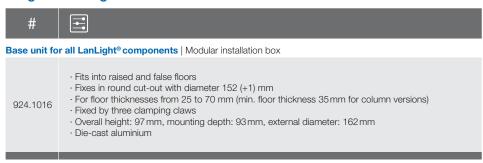
AWARDS



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



#### Stage 1: LanLight® base unit





#### Stage 2: LanLight® inserts



924.4001



#### Connecting plates for fitting in set of LanLight® lift-off lids

#### 8P/4S connecting plate with breakout cable and GST18i3 plug

- · Accommodates up to 4 Wieland GST15i3 sockets (current) and 8 data jacks (Keystone)
- · Rear strain relief for power connections
- · Disengagement aid for Wieland GST15i3 plugs
- $\cdot$  4 x Wieland GST15i3 installation sockets, fitted, incl. 0.2 m H05VV-F3G 2.5 mm² supply cable to
- · Coded connections (data 1-8, current A-D)
- · Diameter: 114.8 mm

#### 8P/4S connecting plate for mains connection by client

- $\cdot$  Accommodates up to 4 Wieland GST15i3 sockets (current) and 8 data jacks (Keystone)
- $\cdot$  Rear strain relief for power connections
- · Disengagement aid for Wieland GST15i3 plugs 924.4000
  - · Coded connections (data 1-8, current A-D)
  - · 4 x Wieland GST15i3 installation socket
  - · Diameter: 114.8 mm

#### Earthing contact unit 4P/2S with breakout cable and GST18i3 plug · Accommodates up to 4 data jacks (Keystone)

- 924.4009
  - · Rear strain relief for power connections integrated into housing
  - · Coded connections (data 1-4, current A-B)
  - · Including 2 x 0.2 m H05VV-F3G 2.5 mm² supply cable to GST18i3 plug
  - · Diameter: 114.8 mm

#### Earthing contact unit for 4P/2S connecting plate for mains supply by client

- $\cdot$  To connect up to two phases to the socket outlets with earthing contact
- · Accommodates up to 4 data jacks (Keystone) 924.4002
  - $\cdot$  Rear strain relief for power connections integrated into housing
  - · Coded connections (data 1-4, current A-B)
  - · Diameter: 114.8 mm

#### Media connecting plate for 3 x Custom Modules and 3 x power for mains connection by

- · To connect up to 3 Wieland GST15i3 sockets (power) and 3 BACHMANN Custom Modules
- 924.4003 · Rear strain relief for power connections
  - · 3 x Wieland GST15i3 installation socket
  - · Disengagement aid for Wieland GST15i3 plugs
  - · Coded connections (Custom Modules 1-3, current A-C)
  - · Diameter: 114.8 mm

#### Media connecting plate for 3 x Custom Modules and 3 x power with breakout cable and GST18i3 plug

- $\cdot$  Accommodates up to 3 BACHMANN Custom Modules
- $\cdot$  3 x Wieland GST15i3 installation sockets, fitted, incl. 0.2 m H05VV-F3G 2.5 mm $^2$  supply cable to GST18i3 plug
- $\cdot$  Rear strain relief for power connections
  - $\cdot$  Disengagement aid for Wieland GST15i3 plugs
  - · Coded connections (Custom Modules 1-3, current A-C)
  - · Diameter: 114.8 mm

#### Patch column mount

924.1041

924.4004

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















924.1041



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



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

#### Stage 3: Lid variants



924.1018



#### Lift-off lid set for installation in the modular installation box

#### Lift-off lid set with stainless steel inlay

- · Two positions: open during use/closed when not in use
- · With catch mechanism when open
- · With dust protection as cable gland
- · With labelling card for connections
- · With stainless steel inlay
  - · Insert diameter: internal 49 mm, external 142 mm
  - · Lift-off lid diameter 146.4 mm, lid guide diameter 128.8 mm

#### Lift-off lid set, 5 mm/8 mm

- · Two positions: open during use/closed when not in use
- · With catch mechanism when open
- · With dust protection as cable gland
- 924.1038
- · With labelling card for connections
- · For gluing into dry surfaces with thicknesses of 5 mm or
- 8 mm (e.g. carpet, laminate)
- · Insert diameter: internal 49 mm, external 142 mm, lining depth 5 mm or 8 mm
- · Lift-off lid diameter 146.4 mm, lid guide diameter 128.8 mm

#### Twist-off lid to screw onto cone to hold column

#### Twist-off lid for 12mm inlay

· Lid to close modular installation box with cone (924.1016, 924.1041)

· Water-resistant 924.1046

- $\cdot$  For inlay (e.g. stone/tiles) with approx. thickness 12 mm
- · Incl. mounting wrench and sleeves
- · Insert diameter: internal 139 mm



924.1018





924.1046

#### Stage 3: LanLight® extension units





#### Column for 1-2 workplaces

#### 4P/2S patch column, one-sided

- · Simple mounting on the LanLight® conical holder (924.1041)
- · 2 socket outlets with earthing contact (2 phases) and 4 CAT6a jacks (Keystone) · Coded connections (data 1-4, current A-B)
- $\cdot$  2 x 6m H05VV-F3G 2.5 mm² power supply cable to Wieland GST18i3 plug  $\cdot$  4 x 6m data cables, CAT6a jack to CAT6a plug 924.5002

  - · Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black · Column can be expanded by adding a LanLight® system lamp

  - · Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006
  - · Height 640 mm, diameter 95 mm

#### Column for 3-4 workplaces

#### Patch column 8P/4S, two-sided

- · Simple mounting on the LanLight® conical holder (924.1041)
- $\cdot$  4 socket outlets with earthing contact (2 phases) and 8 CAT6a jacks (Keystone)
- · Coded connections (data 1-8, current A-D)
- 4 x 6m H05VV-F3G 2.5 mm² power supply cable to Wieland GST18i3 plug
- $\cdot$  8 x 6 m data cables, CAT6a jack to CAT6a plug · Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black
- · Column can be expanded by adding a LanLight® system lamp · Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006
- · Height 640 mm, diameter 95 mm

#### Mini column

924.6000

924.5003

#### Mini patch column 2S

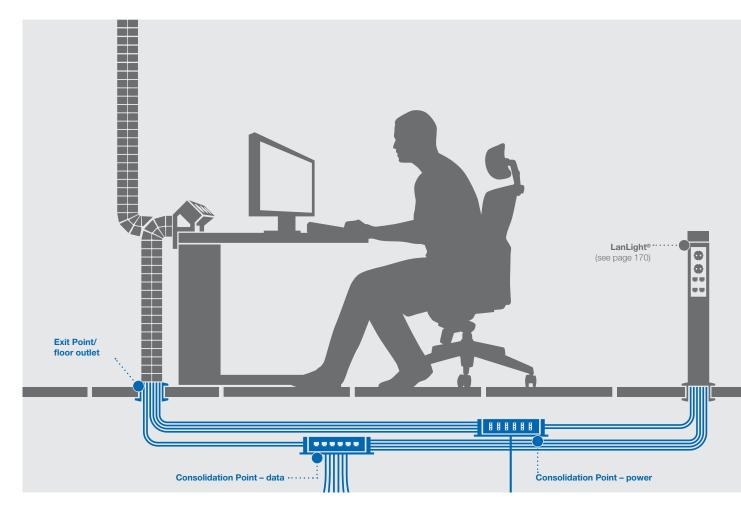
- · Mini patch column for simple mounting on the LanLight® conical holder (924.1041)
- · 2 socket outlets with earthing contact (2-phase) · Coded connections (current A-B)
- · 30 mm surge water protection
- · 2 x 0.2 m breakout cable H05VV-F3G 2.5 mm² and GST18i3 plug including GST T-piece
- · Sockets: 2-pole with earthing contact, 16 A/3680 W, AC 250 V, IP20, black
- · Column material: extruded aluminium, powder-coated, silver-grey, similar to RAL9006
- · Height 150 mm, diameter 95 mm



924.5003







## **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.

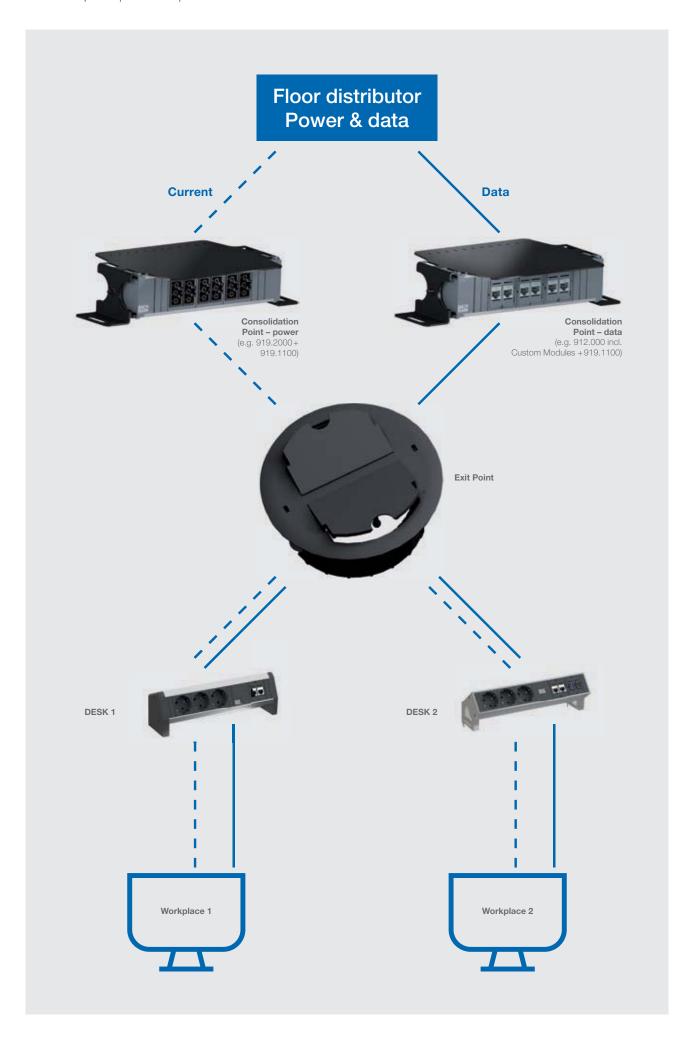
Thanks to the "open-office cabling", Consolidation Point and MUTO concepts, the network installation is flexible, future-proof and – at the same time – cost-optimised. You will receive a user-oriented connection unit.

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**

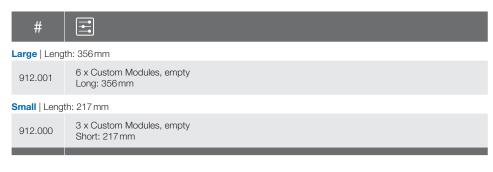
- · Fully wired and electrically tested ex factory
- · Power connections with plug connector systems from Wieland (Gesis GST); Wago (Winsta) versions available on request
- · Other plug connector systems can be integrated if required
- · Time-optimised installation on site
- · Future-proof thanks to flexible installation/expansion

#	
Large   Leng	th: 356mm
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
Small   Lengt	th: 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
- $\cdot$  Various manufacturers' systems can be integrated
- $\cdot$  Easy to install and future-proof thanks to modular structure
- · Should a replacement be necessary, only the data connector unit is changed
- $\cdot$  Mounting and unit remain unchanged
- · Additional strain relief for data connection can be provided with cable ties





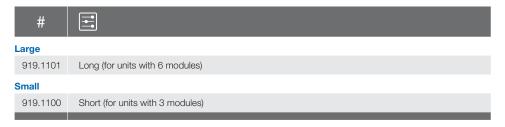
For suitable device supply cables, see page 64.



C 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





#### Floor outlet for dry-maintained floors

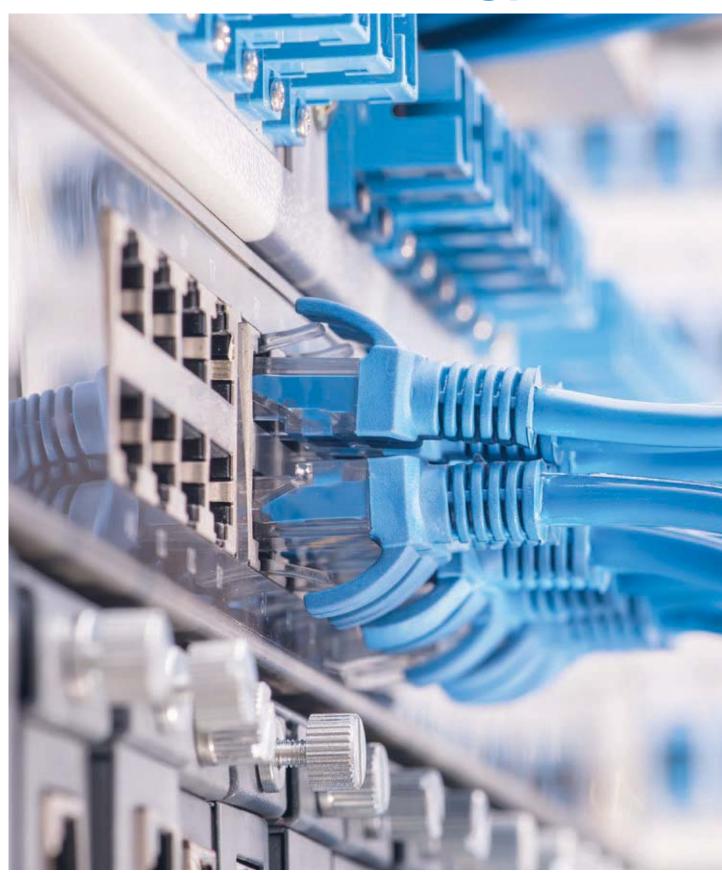
Outlet for dry-maintained floors (raised and false floors) with thickness from 24 mm for the cable outlet from the sub-floor (consolidation point) to the power strip on the desk. The outlet features a very simple universal fixing. With one rotation of each of the two eccentric Allen bolts in the outer 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
- $\cdot$  2 flaps, rotatable by approx. 130°, for cable outlet
- $\cdot$  Material of floor outlet: polyamide (halogen-free)





# Network and media technology





#### **Custom Modules**

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Power transmission	194
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•••••	

## Active media technology components

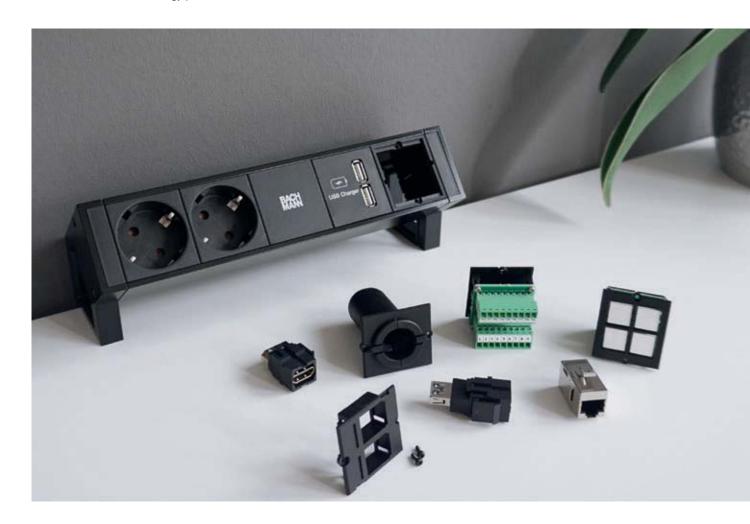
Rextron HDBaseT	204
***************************************	

#### **Data cables**

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#### **Audio/video cables**

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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



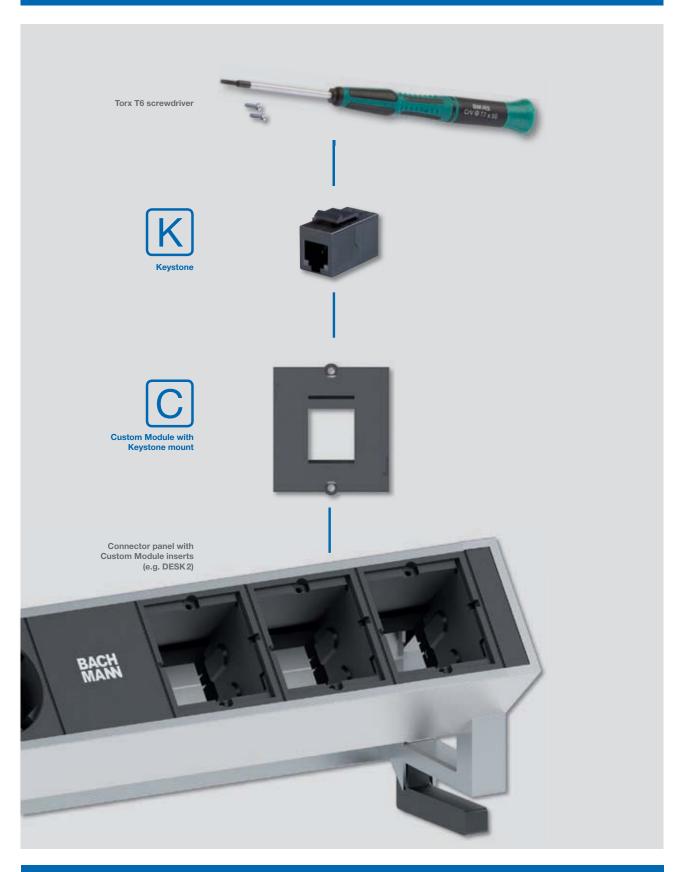


### Variant 1: Custom Module fully equipped



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**

#	<b>=</b>
940.044	CAT6 class E <sub>A</sub> coupling socket/socket   For 10 Gbit Ethernet   Type: METZ CONNECT E-DAT   Front: RJ45 (Keystone fixing)   Back: RJ45 (E-DAT mounting)   Shielded
940.083	CAT6 coupling socket/socket   Front: RJ45 (Keystone fixing)   Back: RJ45 (Keystone fixing)   Shielded
940.112	CAT6 coupling socket/socket   Front: RJ45 (Keystone fixing)   Back: RJ45 (Keystone fixing)   Unshielded
940.085	ISDN RJ12 socket/socket   Front: RJ12 (Keystone fixing)   Back: RJ12 (Keystone fixing)   Unshielded
918.032	CAT6 90° coupling socket/socket   90° outlet on side, 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	CAT6a 10 GB patch cable plug/socket 3.0 m   Front: Socket RJ45 CAT6a TKM 10 GB   Black cable with RJ45 plug   Shielded
918.034	CAT6a 10 GB patch cable plug/socket 5.0 m   Front: Socket RJ45 CAT6a TKM 10 GB   Black cable with RJ45 plug   Shielded
918.035	CAT6a 10 GB socket TKM   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	1x HDMI 2.0   Front: HDMI socket   Back: HDMI socket without cable   Approx. 85 mm required mounting depth   Transmission possible up to a resolution of 3840 x 2160 px   Black
917.157	1x 3.5mm miniature jack   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	1x Mini DisplayPort   Front: Mini DisplayPort socket   Back: DisplayPort plug with approx. 0.5 m cable   Requires approx. 85 mm mounting depth   Black





See page 206 for suitable data cables.



C For suitable Custom Modules with Keystone mount, see page 185.

#### **USB 3.0 Keystones**

- · Requires approx. 85 mm mounting depth
- · Black

#	<b>=</b>
917.400	USB 3.0 A/B USB   Front: USB A socket   Back: USB B socket
917.401	USB 3.0 B/A   Front: USB B socket   Back: USB A socket
917.120	USB 3.0 A/A (straight-through)   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.

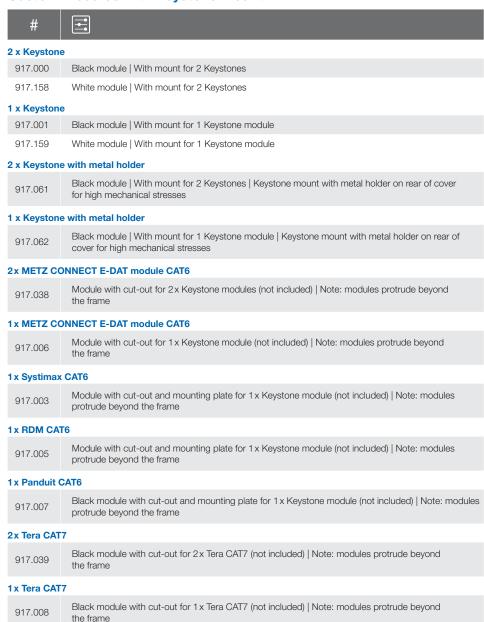
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PLEASE NOTE: only Keystones / Custom Modules with an even flush can be used in combination with PIX/KAPSA/DUE with lid and POWER FRAME COVER! For compatibility, see from page 197.

# **Keystone mount**

#### **Custom Modules with Keystone mount**













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

CARTO course   Coupting, for 10 Got Ethernet, shielded, eth no. 1940.044   CARTO coupting, undersided, and no. 1940.0112	Manufacturer/product designation	917.000	917.001	917.061	917.062	917.038 917.006	917.003	917.007	917.008	917.153
CATTO cases F, cospring, for 11 Gibir Pithernet, shielded; art. no.: 840.044  CATTO compling unshibitation; in mo. 940.112  SSTN RUIZ secolar modelated art. no.: 940.065 (ase of 2x 940.065 and 1x 940.065 and 1x 1240.065 an	RACHMANN version									
AST   Coupling unshielded: art. no.: 940.112		•	•	•	•					
SENT RIF 2	n : -	•	•							
ATEa 10 GB socker TXM, shelded, with 3.0m cable and RJ45 plug; art. no.: 918.033  ATEA 10 GB socker TXM, shelded, with 5.0m cable and RJ45 plug; art. no.: 918.034  CATEA 10 GB socker TXM, shelded, with 5.0m cable and RJ45 plug; art. no.: 918.034  OWS-SE Kystence; art. no.: 918.072  OWS-SE Kystence; art. no.: 918.073  OWS-SE Kystence; art. no.: 918.073  TOSLINK Kystence ind. no.: 918.074  Kystence module 1X HDMI; art. no.: 917.400  Kystence module 1X HDMI; art. no.: 917.401  Kystence module USB 3.0 AB USB, art. no.: 917.417  Kystence module USB 3.0 AB, art. no.: 917.417  Kystence module USB 3.0 AB, art. no.: 917.417  Kystence module USB 3.0 AB, art. no.: 917.419  Kystence module USB 3.0 AB, art. no.: 917.419  Kystence module USB 3.0 BB, art. no.: 917.419  Kystence module USB 3.0 BB, art. no.: 917.419  CATBA coupling socker/socker; art. no.: 917.419  CATBA coupling socker/socker; art. no.: 917.121  CATBA coupling socker/socker; art. no.: 940.083  Kystence module USB 3.0 BB, art. no.: AX102283  100X MSchalar Jack KysConnect, art. no.: AX102283  100X MSchalar Jack KysConnect, art. no.: AX1024050  CATB- Hoodular Jack KysConnect, art. no.: AX104501  CATB- KysConnect Risk6b RysConnect, art. no.: AX104501  CATB- KysConnect Risk6b RysConnect RysConnect, art. no.: AX104501  RysL8 Socket RysConnect RysConnect RysConnect RysConnect	ISDN RJ12 socket, unshielded; art. no.: 940.085 (use of 2x 940.085 and 1x 940.085 and		•	•	•					
ACTES 10 GB societ TRM, shielded, with S.O'm cable and R.Us's pug, art. no.: 918.034  Societ Cover/blank cover Registore, 8 block art. no.: 917.057  OWG-SC Keystone; art. no.: 918.073  OWG-SC Keystone; art. no.: 918.073  OWG-SC Keystone; art. no.: 918.072  OWG-ST Keystone; art. no.: 918.073  OWG-SC Keystone; art. no.: 918.074  Keystone module USB 3.0 AVB USB; art. no.: 917.400  Keystone module USB 3.0 AVB (carriaght-through); art. no.: 917.120  Keystone module USB 3.0 AVB (carriaght-through); art. no.: 917.120  Keystone module USB 3.1 Type C; art. no.: 917.121  Keystone module USB 3.1 Type C; art. no.: 917.121  CATG-A coupling societarbacker; art. no.: 917.124  Invey buttor Keystone; art. no.: 917.134  Belden*  IOCK Modular Jack KeyConnect; art. no.: AVI 02283  IOCK Modular Jack KeyConnect; art. no.: AVI 02283  IOCK Modular Jack KeyConnect; art. no.: AVI 02215  CATG- KeyConnect Bulls Coupler; art. no.: AVI 04591  CATG- Modular Jack KeyConnect art. no.: AVI 04596  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- Shielded KeyConnect Authoritur Jack; art. no.: AVI 04598  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- KeyConnect Bulls Coupler; art. no.: AVI 04598  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  USB 3.0 Coupler, At to A art. no.: AVI 04597  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  USB 3.0 Coupler At to A art. no.: AVI 04598  USB 3.0 Coupler At 0459  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  IDCATG- KeyConnect Multiple Coupler; art. no.: AVI 04598  I	CAT6a 10 GB socket TKM, shielded, for connection by user; art. no.: 918.035	•	•	•	•					
Socket cover/blank cover Keystone, at no.: 918.071  OWG-1 C Julies Keystone; and no.: 918.072  OWG-ST Keystone; and no.: 918.073  TOSJINK Keystone module U SH 3.0 A BUSB; and no.: 917.400  Keystone module USB 3.0 A BUSB; and no.: 917.400  Keystone module USB 3.0 A BUSB; and no.: 917.400  Keystone module USB 3.0 A A (streight-through); and no.: 917.127  Keystone module USB 3.0 A A (streight-through); and no.: 917.120  Keystone module USB 3.0 A A (streight-through); and no.: 917.120  Keystone module USB 3.0 BA, and no.: 917.401  EAGLA coupling socilet/socket; and no.: 940.083  Keystone module Usb and Pala Sh, and no.: 917.401  DAG Medidur Jack KeyConnect and no.: 917.194  Baldean  TOK Medidur Jack KeyConnect and no.: AN102283  TOK Medidur Jack KeyConnect and no.: AN102283  TOK Medidur Jack KeyConnect and no.: AN102283  TOK Medidur Jack KeyConnect And no.: AN10321  CATIS- KeyConnect Shedied RIAS Coupler; and no.: AN10321  CATIS- KeyConnect Medidur Jack and no.: AN10321  CATIS- KeyConnect Medidur Jack and no.: AN10324  BALS Service KeyConnect Medicur Jack and no.: AN10324  BALS Servi	CAT6a 10 GB socket TKM, shielded, with 3.0m cable and RJ45 plug; art. no.: 918.033	•	•	•	•					
OWG-S.C Keystone; art. no.: 918.072  OWG-S.C Keystone; art. no.: 918.073  OWG-S.C Keystone; art. no.: 918.045  OWG-S.S Keystone; art. no.: 918.045 (use of 2x.918.045 and 1x.918.045 and 1x.940.065 next to one another in a Custom Model with mount for 2 Keystone and possible)  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module I x. HDMI art. no. 918.041  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.0 AF IDSB, art. no.: 917.401  Keystone module USB 3.1 Tips C, art. no.: 917.121  OGAFA coupling pocket/model; art. no.: 917.121  OGAFA coupling pocket/model; art. no.: 917.124  IDSB, art. no.: 917.194  IDSB, art. no.:	CAT6a 10 GB socket TKM, shielded, with 5.0 m cable and RJ45 plug; art. no.: 918.034	•	•	•	•					
OWG SC Koystone; art. no.: 918.072  OWG SC Koystone; art. no.: 918.073  TOSALINK Keystone; art. no.: 918.073  TOSALINK Keystone int. no.: 918.074  Koystone module USB 3.0 A/B USB; art. no.: 917.400  Koystone module USB 3.0 A/B USB; art. no.: 917.400  Koystone module USB 3.0 A/B USB; art. no.: 917.400  Koystone module USB 3.0 A/B USB; art. no.: 917.401  Koystone module USB 3.0 A/B USB; art. no.: 917.157  Koystone module USB 3.0 A/B A (pringith-through); art. no.: 917.120  Koystone module USB 3.1 Type C; art. no.: 917.121  CATEA coupling socker/module; art. no.: 917.121  CATEA coupling socker/module; art. no.: 917.121  CATEA coupling socker/module; art. no.: 917.134  1-vay button Keystone; art.	Socket cover/blank cover Keystone, black; art. no.: 917.057	•	•	•	•					
OWG-ST Keystone; art. no.: 918.073 TOSLINK Keystone; art. no.: 918.045 (see 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 1 x HDMI; art. no.: 917.400 Keystone module 1 x HDMI; art. no.: 918.041 Keystone module 1 x 5.5 mm midsture jack art. no.: 917.157 Keystone module 1 x 5.5 mm midsture jack art. no.: 917.167 Keystone module USB 3.0 A/A (stinsight-throught); art. no.: 917.120  Keystone module USB 3.0 A/A (stinsight-throught); art. no.: 917.120  Keystone module USB 3.0 B/A; art. no.: 917.401 Keystone module USB 3.1 Type C; art. no.: 917.191  CATOA coupling socket/acodest; art. no.: 917.191  CATOA coupling socket/acodest; art. no.: 917.194  Leystone module 1 x min DisplayPort; art. no.: 917.194  Leystone module 1 x min DisplayPort; art. no.: 917.194  Leystone module 1 x min DisplayPort; art. no.: 917.194  Leystone Modular Jack KeyConnect; art. no.: 4X10288  LOCK Shelded KeyConnect Shelded Full-S Coupler; art. no.: AX104562  LOCK Shelded KeyConnect Shelded Full-S Coupler; art. no.: AX1041561  CATO- KeyConnect Shelded Full-S Coupler; art. no.: AX104156  CATO- Shelded KeyConnect Modular Jack (art. no.: AX104156  LOCK SeyConnect Shelded Full-S Coupler; art. no.: AX104156  LOCK SeyConnect Shelded Full-Soupler; art. no.: AX104156  LOCK SeyCon	OWG-LC duplex Keystone; art. no.: 918.071	•	•	•	•					
COSLINK 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 (Registones not possible)	OWG-SC Keystone; art. no.: 918.072	•	•	•	•					
Argistone module USB 3.0 AFI USB, art. no.: 917.400  Keystone module 1 x HDMI, art. no.: 917.400  Keystone module 1 x 3.5 mm miniature jack; art. no.: 917.157  Keystone module USB 3.0 AA/ (straight-through); art. no.: 917.120  Keystone module USB 3.0 BA/ (straight-through); art. no.: 917.120  Keystone module USB 3.0 BA/ (straight-through); art. no.: 917.120  Keystone module USB 3.1 Type C, art. no.: 917.721  CATGA coupling socked-socket; art. no.: 940.083  Keystone module USB 3.1 Type C, art. no.: 947.721  CATGA coupling socked-socket; art. no.: 940.083  Keystone module 1 x min Display-Port art. no.: 947.214	OWG-ST Keystone; art. no.: 918.073	•	•	•	•					
Keystone module 1 x HDMI; art. no.: 918.041 Keystone module 1 x 3.5 mm miniature jack; art. no.: 917.157 Keystone module USB 3.0 RVA (straight-through); art. no.: 917.120 Keystone module USB 3.0 RVA (straight-through); art. no.: 917.121 CATGA coupling socket/socket; art. no.: 917.031 Keystone module USB 3.1 Tipse C; art. no.: 917.121 CATGA coupling socket/socket; art. no.: 940.083 Experimental module 1 x mini DisplayPort; art. no.: 947.214 1-way button Keystone; art. no.: 917.194 Beldon* UGSX Modular Jack KeyConnect; art. no.: 917.194  ***Experimental KeyConnect Modular Jack in mini Jack Modular Jack Modular Jack in mini Jack Modular			•							
Keystone module USB 3.0 A/A [straight-through]; art. no.: 917.120  Keystone module USB 3.0 A/A [straight-through]; art. no.: 917.120  Keystone module USB 3.0 A/A [straight-through]; art. no.: 917.121  CATGA coupling socket/socket; art. no.: 940.083  Keystone module 1 x mini DisplayPort; art. no.: 917.121  CATGA coupling socket/socket; art. no.: 940.083  Keystone module 1 x mini DisplayPort; art. no.: 917.121  1-way button Keystone; art. no.: 917.194  8	Keystone module USB 3.0 A/B USB; art. no.: 917.400	•	•	•	•					
Keystone module USB 3.0 MA (straight-through); art. no.: 917.120  Keystone module USB 3.0 B/A; art. no.: 917.401  Keystone module USB 3.0 B/A; art. no.: 917.401  Keystone module USB 3.0 B/A; art. no.: 917.121  CATBA coupling socket/socket; art. no.: 940.083  Keystone module 1.x min DisplayPrott; art. no.: 940.083  Keystone module 1.x min DisplayPrott; art. no.: 917.214  1-way button Keystone; art. no.: 917.194  Batlen*  10GX Modular Jack KeyConnect; art. no.: AX102283  10GX Sheided KeyConnect Andular Jack, metallic; art. no.: AX104562  10GX KoyConnect Shielded Ru45 Coupler; art. no.: AX104501  CATE+ Modular Jack KeyConnect; art. no.: AX104215  CATE+ Sheided KeyConnect Modular Jack, metallic; art. no.: AX104591  CATE+ Sheided KeyConnect Modular Jack, art. no.: AX104510  CATE+ Sheided KeyConnect Modular Jack; art. no.: AX104510  CATE+ Sheided KeyConnect Modular Jack; art. no.: AX104596  USB 3.0 Coupler, A to A; art. no.: AX105342-BK  BKS*  INSE  IN	Keystone module 1 x HDMl; art. no.: 918.041	•	•	•	•					
Keystone module USB 3.0 If Xpc C; art. no.: 917.401  Keystone module USB 3.1 Type C; art. no.: 947.121  CAT6A coupling socket/socket; art. no.: 947.033  Keystone module 1 x mini DisplayPort; art. no.: 947.214  1-way button Keystone; art. no.: 947.194  Belden*  106X Modular Jack KeyConnect; art. no.: AX102283  106X Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562  106X Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562  106X KeyConnect Bhielded RJ45 Coupler; art. no.: AX104501  CAT6+ Shielded KeyConnect; art. no.: AX104215  CAT6+ KeyConnect RJ45 Coupler; art. no.: AX104215  CAT6+ KeyConnect Modular Jack KeyConnect; art. no.: AX104596  USB 3.0 Coupler, A to A; art. no.: AX108342-BK  HDMI Coupler (Version 1.4); art. no.: AX108345-BK  BKS*  NewLine MJ40 socket category 6A; art. no.: 408-5794.01/408-5799.01 with mounting clip 403-7540xx  NewLine MJ40 po socket category 6A; art. no.: 408-5840 with mounting clip 403-7540xx  NewLine MJ40 po socket Category 6A; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, GHMT-PVP-certified, 10 gigabitis; ISO art. no.: 6920 0052/P1  RJ45 socket KS, shielded; cat. 6, 1 gigabitis; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; class E, 1 gigabit; art. no.: 6920 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	Keystone module 1 x 3.5 mm miniature jack; art. no.: 917.157	•	•	•	•					
Keystone module USB 3.1 Type C; art. no.: 917.121  CATGA coupling socket/socket; art. no.: 940.083  Keystone module 1 x mind DisplayPort; art. no.: 917.214	Keystone module USB 3.0 A/A (straight-through); art. no.: 917.120	•	•	•	•					
CATEA 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  8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8	Keystone module USB 3.0 B/A; art. no.: 917.401	•	•	•	•					
Køystone module 1 x mini DisplayPort; art. no.: 917.194  1-way button Keystone; art. no.: 917.194  8-86lan*  10GX Modular Jack KeyConnect; art. no.: AX102283  10GX Shielded KeyConnect Modular Jack, metallic; art. no.: AX104582  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 Jacks, rat. no.: AX104596  LAT6+ Shielded KeyConnect Modular Jacks, art. no.: AX104215  LAT6+ Shielded KeyConnect Modular Jacks, art. no.: AX104581  LAT6+ Shie	Keystone module USB 3.1 Type C; art. no.: 917.121	•	•	•	•					
### Belden*    106X Moduliar Jack KeyConnect; art. no.: AX102283   106X Shielded KeyConnect Moduliar Jack, metallic; art. no.: AX104562   106X KeyConnect Shielded RJ45 Coupler; art. no.: AX104501   CATE+ Moduliar Jack KeyConnect; art. no.: AX104501   CATE+ Moduliar Jack KeyConnect; art. no.: AX104215   CATE+ Moduliar Jack KeyConnect; art. no.: AX104215   CATE+ KeyConnect RJ45 Coupler; art. no.: AX104215   CATE+ KeyConnect RJ45 Coupler; art. no.: AX104215   CATE+ Shielded KeyConnect Modular Jack; art. no.: AX104215   CATE+ Shielded KeyConnect Modular Jack; art. no.: AX104215   CATE+ 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   KS*   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   CobiNet*   RJ45 socket KS, shielded; cat. 6, GHMT-PVP-certified, 10 gigabits: ISO art. no.: 6920 0052/P1   RJ45 socket KS, shielded; cat. 6, 10 gigabits: art. no.: 6920 0052.1   RJ45 socket KS, shielded; cat. 6, 10 gigabits: art. no.: 6920 0052.1   RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1   RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 00120   RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 00120   RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 0112   RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 0112   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, tool-free connection, 1 gigabit; art. no.: 6920 0120   RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 0120   RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 0120   RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.	CAT6A coupling socket/socket; art. no.: 940.083	•	•	•	•					
Belden*  10GX Modular Jack KeyConnect; art. no.: AX102283  10GX Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562  10GX KeyConnect Shielded RJ45 Coupler; art. no.: AX104501  €  2AT6+ Modular Jack KeyConnect; art. no.: AX104215  CAT6+ KeyConnect RJ45 Coupler; art. no.: AX104215  CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104215  CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104216  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  BKS*  NewLine RJpro socket category 6A; art. no.: 408-5794.01/408-5790.01 with mounting clip 403-7540∞x  NewLine RJpro socket category 6A; art. no.: 408-5840 with mounting clip 403-7540∞x  •  CobiNet*  RJ45 socket KS, shielded; cat. 6, 10 gigabits; art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6, 10 gigabits; art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6, 10 gigabits; art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6, 10 gigabits; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 10 gigabits; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0120.1  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0122.1  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0122.1  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0122.1  RJ45 socket KS, unshielded; cat. 6, 10 gigabit; art. no.: 6920 0122.1  RJ45 socket KS, unshielded; cat. 6, 10 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; cat. 6, 10 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 6, 10 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 6, 10 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 0122	Keystone module 1 x mini DisplayPort; art. no.: 917.214	•	•	•	•					
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.: AX104215  CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104215  CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104596  USB 3.0 Coupler, At 0A; art. no.: AX105342-BK  HDMI Coupler (Version 1.4); art. no.: AX105345-BK  BKS*  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  •  CobiNet*  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; cat. 6 <sub>A</sub> , 10 gigabits; art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits; art. no.: 6920 4052.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6 <sub>A</sub> , 10 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6920 1022	1-way button Keystone; art. no.: 917.194	•	•	•	•					
10GX Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562 10GX KeyConnect Shielded RJ45 Coupler; art. no.: AX104501  CATG+ Modular Jack KeyConnect; art. no.: AX101321  CATG+ KeyConnect RJ45 Coupler; art. no.: AX104215  CATG+ KeyConnect RJ45 Coupler; art. no.: AX104215  CATG+ 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.: AX105342-BK  HDMI Coupler (Version 1.4); art. no.: AX105345-BK  BKS*  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  CobiNet*  RJ45 socket KS, shielded; cat. 6, 10 glgabits: art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6, 10 glgabits; art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6, 11 glgabit; art. no.: 6920 4052.1  RJ45 socket KS, shielded; cat. 6, 11 glgabit; art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6, 1 glgabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 glgabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 glgabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 glgabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 glgabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 glgabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 glgabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 glgabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 glgabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 glgabit; art. no.: 6925 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	Belden*									
10GX KeyConnect Shielded RJ45 Coupler; art. no.: AX104501  CAT6+ Modular Jack KeyConnect; art. no.: AX104215  CAT6+ KeyConnect RJ45 Coupler; art. no.: AX104215  CAT6+ Spielded KeyConnect Modular Jack; art. no.: AX104596  USB 3.0 Coupler, A to A; art. no.: AX105342-BK  USB 3.0 Coupler, A to A; art. no.: AX105342-BK  HDMI Coupler (Version 1.4); art. no.: AX105345-BK  BKS*  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  NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  CobiNet*  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits: art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits: art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6.1 gigabit; art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6.1 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, shielded; cat. 6.1 gigabit; art. no.: 6920 0022.1  RJ45 socket KS, unshielded; cat. 6.1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6. to. fore connection, 1 gigabit; art. no.: 6920 0110  RJ45 socket KS, unshielded; cat. 6. to. fore connection, 1 gigabit; art. no.: 6920 0120  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  COMMSCOPE*	10GX Modular Jack KeyConnect; art. no.: AX102283	•	•	•	•					
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  BKS*  NewLine RJpro socket category 6A; art. no.: 408-5794.01/408-5790.01 with mounting clip 403-7540xx  NewLine RJpro socket category 6A; art. no.: 408-5840 with mounting clip 403-7540xx  NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  •  CobiNet*  RJ45 socket KS, shielded; cat. 6,, 10 gigabits: art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6,, 10 gigabits; art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 olipabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0112  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022	10GX Shielded KeyConnect Modular Jack, metallic; art. no.: AX104562	•	•	•	•					
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  ***  ***  ***  ***  **  **  **  **	10GX KeyConnect Shielded RJ45 Coupler; art. no.: AX104501	•	•	•	•					
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  BKS*  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  NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  CobiNet*  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; cat. 6A, 10 gigabits: art. no.: 6920 4052.1  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; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1012  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 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 coupling KS, shielded; class E, 1 gigabit; art. no.: 6925 1052  RJ45 coupling KS, shielded; class E, PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupling KS, shielded; class E, PL; 1 gigabit; art. no.: 6925 1052  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	CAT6+ Modular Jack KeyConnect; art. no.: AX101321	•	•							
USB 3.0 Coupler, A to A; art. no.: AX105342-BK  HDMI Coupler (Version 1.4); art. no.: AX105345-BK  BKS*  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  NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  CobiNet*  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 1052.1  RJ45 socket KS, shielded; cat. 6A, 10 gigabits: art. no.: 6920 1052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 4052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1012  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1012  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1012  RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 1020  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1012  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1052	CAT6+ KeyConnect RJ45 Coupler; art. no.: AX104215	•	•	•	•					
HDMI Coupler (Version 1.4); art. no.: AX105345-BK  BKS*  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  NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  CobiNet*  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. 6, 1 gigabit; art. no.: 6920 4052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	CAT6+ Shielded KeyConnect Modular Jack; art. no.: AX104596	•	•	•	•					
BKS*         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       ●         CobiNet*       RJ45 socket KS, shielded; cat. 6A; GHMT-PVP-certified, 10 gigabits: ISO art. no.: 6920 0052/P.1       ●       ●         RJ45 socket KS, shielded; cat. 6A; 10 gigabits: art. no.: 6920 0052.1       ●       ●         RJ45 socket KS, shielded; cats. 6A; 10 gigabits: art. no.: 6920 1052.1       ●       ●         RJ45 socket KS, shielded; cat. 6A; 10 gigabit; art. no.: 6920 4052.1       ●       ●         RJ45 socket KS, shielded; cat. 6A; 10 gigabit; art. no.: 6920 1022.1       ●       ●         RJ45 socket KS, shielded; cat. 6A; 6, tool-free connection, 1 gigabit; art. no.: 6920 0110       ●       ●         RJ45 socket KS, unshielded; cat. 6A; 1 gigabit; art. no.: 6920 0112       ●       ●         RJ45 socket KS, unshielded; cat. 5A; tool-free connection, 1 gigabit; art. no.: 6920 0120       ●       ●         RJ45 socket KS, unshielded; cat. 5A; 1 gigabit; art. no.: 6920 0122       ●       ●         RJ45 socket KS, unshielded; cat. 5A; 1 gigabit; art. no.: 6925 1052       ●       ●         RJ45 coupling KS, shielded; class EA; 10 gigabits: art. no.: 6925 1052       ●       ●         RJ45 coupler KS, shielded; class EA; 11 gigabit; art. no.: 6925 1052       ● <td>USB 3.0 Coupler, A to A; art. no.: AX105342-BK</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td>	USB 3.0 Coupler, A to A; art. no.: AX105342-BK	•	•	•	•					
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  CobiNet*  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 4052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, tool-free connection, 1 gigabit; art. no.: 6920 110  RJ45 socket KS, unshielded; cat. 6, tool-free connection, 1 gigabit; art. no.: 6920 0110  RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 0120  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 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabits; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052  RJ45 socket KS, shielded; class E <sub>A</sub> , 10 gigabit; art. no.: 6925 1052	HDMI Coupler (Version 1.4); art. no.: AX105345-BK	•	•	•	•					
NewLine MMCpro 4P socket, 2.5 GHz; art. no.: 408-5840 with mounting clip 403-7540xx  CobiNet*  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 4052.1  RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 1022.1  RJ45 socket KS, shielded; cat. 6, 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 1012  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 1012  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1										
CobiNet*         RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , GHMT-PVP-certified, 10 gigabits: ISO art. no.: 6920 0052/P.1       ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	NewLine RJpro socket category 6A; art. no.: 408-5794.01/408-5790.01 with mounting clip 403-7540xx									•
RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits: art. no.: 6920 0052.1  RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits: art. no.: 6920 1052.1  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. 6A, 10 gigabit; 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 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket KS, unshielded; class E PL; 1 gigabit; art. no.: 6925 1052  RJ45 coupling KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1										•
RJ45 socket KS, shielded; cat. 6 <sub>A</sub> , 10 gigabits: art. no.: 6920 1052.1  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, tool-free connection, 1 gigabit; art. no.: 6920 0120  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122  RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  RJ45 socket 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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1										
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 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 1022  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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	^	•	•	•	•					
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 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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	A	•	•	•	•					
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 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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	n	•	•	•	•					
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, shielded; cat. 6A, 10 gigabits; art. no.: 6920 4052.1	•	•	•	•					
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, shielded; cat. 6, 1 gigabit; art. no.: 6920 0022.1	•	•	•	•					
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, shielded; class E PL, 1 gigabit; art. no.: 6920 1022.1	•	•	•	•					
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, unshielded; cat. 6, tool-free connection, 1 gigabit; art. no.: 6920 0110	•	•							
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, unshielded; cat. 6, 1 gigabit; art. no.: 6920 0112	•	•	•	•					
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  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, unshielded; cat. 5e, tool-free connection, 1 gigabit; art. no.: 6920 0120	•	•							
RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022  COMMSCOPE*  AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 socket KS, unshielded; cat. 5e, 1 gigabit; art. no.: 6920 0122	•	•	•	•					
COMMSCOPE*         AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	RJ45 coupling KS, shielded; class E <sub>A</sub> , 10 gigabits: art. no.: 6925 1052	•	•	•	•					
AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1   ● ● ● ●	RJ45 coupler KS, shielded; class E PL; 1 gigabit; art. no.: 6925 1022	•	•	•	•					
	COMMSCOPE*									
AMD TM/ICT CAC CL. look out no. DN 0.1711500.1	AMP-TWIST 6S SL Jack; art. no.: PN 0-1711160-1	•	•	•	•					
ANIT-1991 0A5 5L Jack; atl. no.: PN U-1/11592-1	AMP-TWIST 6AS SL Jack; art. no.: PN 0-1711592-1	•	•							

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Manufacture destates in the control of	917.000	917.001	917.061	917.038	917.006	917.003	917.005	917.039
Manufacturer/product designation	၈	<u>ග</u>	o   c	n   O	0	ာ တ	တ   တ	
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)						•		
Corning*		•						
xs500 Keystone module, CAXXSM-00104-C001; art. no.: 712045	•	•						
S1200 module cat.7; art. no.: 196001								•
DAETWYLER*  D.145 modulo VS TS 1/0 toolloop dimilion out 6/EA, phiolded, out, po. (419054)								
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							•	•
3M*								
RJ45 CAT6A HW STP; art. no.: OCK6A-SN8	•	•						
RJ45 CAT6A PL module; art. no.: OCK6A-SE8	•	•						
EFB*								
Cat. 6 RJ45 module STP, de-embedded; art. no.: E-20060	•	•	•	<b>)</b>				
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	•	•	•	<b>'</b>				
RJ45 adapter snap-in socket/socket, shielded; art. no.: 37508.2	•	•	•	,				
INFRALAN® RJ45 keystone cat.6A; art. no.: E-20091	•	•	•	<b>'</b>				
INFRALAN® RJ45 keystone, cat.6A / class EA; art. no.: E-20070-IF	•	•	•	,				
Cat.6 RJ45 Keystone STP 250 MHz; art. no.: E-20072	•	•	•	<b>'</b>				
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	•	•	•					
GIGAMEDIA*								
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	•	•	•					
LEONI Kerpen*								
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	•	•	•	•				

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Manufacturer/product designation	917.000	917.001	917.061	917.062	917.038	917.003	917.007	917.005	917.039
METZ CONNECT*									
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.: 130910Kl	•	•	•	•					
UTP module 8(8) cat.6A Keystone; art. no.: 130A11-29KI	•	•	•	•					
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	•	•	•	•					
Nexans* (requires additional Keystone clip to fit)  LANmark-5 Evo Snap-In Connector Cat. 5e, unscreened, 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, unscreened; 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  Panduit*	•	•							
Mini-Com TX6 plus 28/30 AWG Jack Module; art. no.: CJT688TGBL							•		
NetKey Jack Modules CAT6/6A; art. no.: NK688MBL/NK6X88MBL  Reichle de Masari*									
Cat.6 module RJ45 with mounting plate; art. no.: R302372/R302373/R313064								•	
Cat. 6, module RJ45 Keystone; art. no.: R509509/R509508	•	•	•	•					
Cat. 6 <sub>a</sub> module RJ45 snap-in; art. no.: R509506/509502								•	•
Connection module cat. 6, EL, 1xRJ45/s; art. no.: R813504								•	
Connection module cat. 6 <sub>A</sub> , 1x RJ45; art. no.: R509500/R509504								•	
RUTENBECK*									
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	•	•	•	•					
SETEC*  CoCity of the cost 6   Kouptons isoly N   K   N phialded, art. no.: F0141F/F01414				•					
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	,		•						
Telegärtner*  AM I module K cat 6, T5684/R: art, no.: I00029K0036/ I0002940077									
AMJ module K cat 6 <sub>A</sub> T568A/B; art. no.: J00029K0036/J00029A0077	•		•	•					
AMJ coupling K CAT6; art. no.: J00029A0061  AMJ - S modula 2G cat 6 T568A/B: art. no.: J00029A3000/J00029A3001/J00029A3000/J00029A2001	•	•	•	•					
AMJ-S module 2G cat.6, 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	•		•	•					
TKM*  R.LMOD cat 6/64: art no : 4677682/46776824									
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. 110 mm mounting depth

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

#	<b>=</b>
917.045	Front: Socket VGA and 3.5 mm stereo miniature jack   Back: Socket VGA and 3.5 mm stereo miniature jack with approx. 0.1 m cable   Requires approx. 70 mm mounting depth   Black
917.071	Front: Socket VGA and 3.5 mm stereo miniature jack   Back: 10-pole (RGBHV) and 3-pole (audio stereo) screw terminal   Requires approx. 50 mm mounting depth   Black
917.073	Front: VGA socket and 3.5 mm stereo miniature jack   Back: 5x BNC socket with approx. 0.3 m cable (RGBHV) and 3-pole (audio stereo) screw terminal   Requires approx. 50 mm mounting depth   Black
917.150	Front: socket VGA and 3.5 mm stereo miniature jack   Back: socket VGA and 3.5 mm stereo miniature jack each with approx. 0.2 m cable   Requires approx. 50 mm mounting depth   Black
917.058	90° outlet on side, only compatible with power strips with lateral 90° outlet I 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  $3.5\,\mathrm{mm}$  stereo miniature jack + button, blue illuminated | Back: socket VGA and  $3.5\,\mathrm{mm}$  stereo miniature jack with approx.  $0.1\,\mathrm{m}$  cable + RJ12 socket for button | Requires approx.  $70\,\mathrm{mm}$  mounting depth | Black

#### **Custom Module 1 x VGA**

#	
917.011	Front: socket VGA   Back: socket VGA   Requires approx. 70 mm mounting depth   Black
917.069	Front: socket VGA   Back: 10-pole (RGBHV) screw terminal   Requires approx. 50 mm mounting depth   Black
917.070	Front: socket VGA   Back: $5 \times BNC$ socket with approx. $0.3  m$ cable (RGBHV)   Requires approx. $65  mm$ mounting depth
917.072	Front: plug VGA   Back: 10-pole (RGBHV) screw terminal   Requires approx. 50 mm 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.

917.070

917.072

#### **Custom Module 1 x DVI-I**

**Custom Module 1 x HDMI** 

mounting depth

#

917.143

917.183

917.146



Black | Front: HDMI socket | Back: 2x 9-pole (HDMI) screw terminal | Requires approx. 40 mm

White | Front: HDMI socket | Back: 2x 9-pole (HDMI) screw terminal | Requires approx. 40 mm

90° outlet on side, only compatible with power strips with lateral 90° outlet I Black I Front: HDMI

socket | Back: HDMI socket | Requires approx. 35 mm mounting depth





















#### Custom Module 1 x HDMI + miniature jack



#### Custom Module 1 x DisplayPort







#### Custom Module 1 x Cinch video + 2 x Cinch audio stereo

#	
917.026	Black   Front: Cinch video (yellow) + $2 \times$ Cinch audio stereo (red + white) socket   Back: Cinch video + $2 \times$ 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
	o polo (addio otolog) colow torrilla i rioquillo approx. comin modificing doptin







All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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#### Custom Module 1x BNC video + 2x Cinch audio stereo







#### 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





#### 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. 0.3 m cable with 2 x BNC   Requires approx. 30 mm mounting depth   Black	#	
	917.035	Front: S-video + Cinch video (yellow) socket   Back: S-video + Cinch video socket without cable   Black
	917.083	

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# 917.083











Custom Module 1 x Cinch video RGB



Custom Module 1 x SAT/TV/radio







917.030

#### Custom Module 1 x TV/radio

#	<b>=</b>
917.117	Front: 2 x COAX (TV + radio)   Back: 2 x COAX (TV + radio)   Requires approx. 50 mm mounting depth   Black





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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 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

#### 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. 35mm mounting depth

#### 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

#### **Custom Module 1 x XLR 3-pole microphone**

#	<b>=</b>
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

#### **Custom Module 1 x XLR socket**

- · Front: XLR socket
- · Back: screw terminal
- · Requires approx. 40 mm mounting depth

#	<b>:</b>
917.096	3-pole   Black
917.165	3-pole   White
917.099	4-pole   Black
917.101	5-pole   Black











917.089





917.163









917.091































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





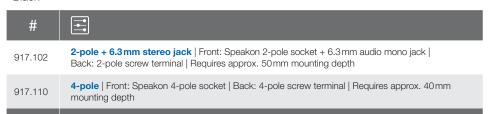
#### Custom Module Combo series 1 x XLR 3-pole socket

#### + 1x 6.3 mm jack socket



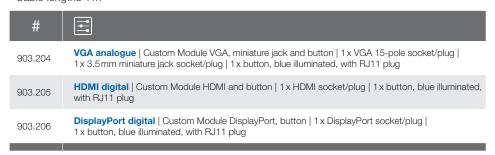
#### **Custom Module 1 x loudspeaker connection**

· Black



#### **Custom Module for Rextron HDBaseT**

· Cable lengths 1 m







917.09







917.110



903.204

903.205

903,206



All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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### **Data transmission**

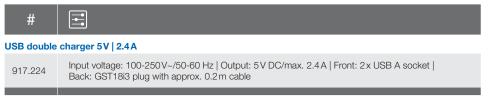
#### **Custom Modules data transmission**

#	
917.141	2x USB 2.0 A/A   Black   Front: 2x USB A socket   Back: 2x 4-pole screw terminal   Requires approx. 40 mm mounting depth
917.182	2x USB 2.0 A/A   White   Front: 2x USB A socket   Back: 2x 4-pole screw terminal   Requires approx. 40 mm mounting depth
917.018	1x USB 2.0 A/B   Black   Front: USB A socket   Back: USB B socket   Requires approx. 85 mm mounting depth
917.019	1x USB 2.0 B/A   Black   Front: USB B socket   Back: USB A socket   Requires approx. 85 mm mounting depth
917.037	1x FireWire   Black   Front: 6-pole FireWire socket   Back: 6-pole FireWire socket   Requires approx. 85 mm mounting depth
917.122	1x USB 3.0 A/A I 90° outlet on side, only compatible with power strips with lateral 90° outlet I Black I Front: USB A socket I Back: USB A socket I Requires approx. 40 mm mounting depth
917.059	2x USB 3.0 A/A I 90° outlet on side, only compatible with power strips with lateral 90° outlet I Black I Front: 2 x USB A socket I Back: 2 x USB A socket I Requires approx. 40 mm mounting depth



### Power transmission

#### **Custom Module USB charger**





#### **Custom Module Power Con**







All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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### **Buttons/switches**

#### **Custom Modules buttons/switches**

#	
917.046	Stainless steel button   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	Stainless steel button, blue illuminated   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	Switch (to control external devices)   Black   Front: 2-pole green rocker switch   Back: approx. 1.0 m H05VV-F 4x 1.50 mm² cable with ferrules (labelled)   Requires approx. 60 mm mounting depth
917.193	4-key keypad   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: 30 V DC system voltage via bus plug-in terminal   Back: 2-pole bus plug-in terminal   Requires approx. 35 mm mounting depth
917.195	4-key keypad   Front: 4 potential-free buttons, white, blue illuminated   Feedback LED with adjustable voltage   Back: plug-in terminal
917.198	4-key keypad   Front: 4 potential-free buttons, white, blue illuminated   Back: 4x RJ11 socket





























All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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### **Control**

#### **Custom Modules control**

#	
917.076	RS232 plug   Black   Front: RS232 sub-D 9-pole plug   Back: 9-pole screw terminal   Requires approx. 40 mm mounting depth
917.075	RS232 socket   Black   Front: RS232 sub-D 9-pole socket   Back: 9-pole screw terminal   Requires approx. 40 mm mounting depth
917.012	RS232 socket   Black   Front: RS232 sub-D 9-pole socket   Back: RS232 sub-D 9-pole socket   Requires approx. 70mm mounting depth
917.116	RS232 crossover socket   Black   Front: RS232 sub-D 9-pole socket   Back: RS232 sub-D 9-pole crossover plug (crossed)   Requires approx. 70 mm mounting depth
917.031	PS2 mouse + keyboard   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. 50 mm mounting depth



# Cable glands

#### Custom Module 1 x cable gland

#	<b>=</b>
917.032	Up to diameter 11 mm   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	2x up to diameter 9mm   1x up to diameter 14mm   Module with notch for routing cables







All Custom Modules are supplied with T6 screws. See the glossary for detailed information on use/application.

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**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

900-2005 Custom Mediub Pishiphi digital 900-2005 Custom Mediub Bishir cover 917-011 Custom Mediub Is VIBA 917-012 Custom Mediub 1 x VIBA 917-012 Custom Mediub 1 x VIBA 917-013 Custom Mediub 1 x VIBA 917-013 Custom Mediub 1 x VIBA 20-A/B 917-013 Custom Mediub 1 x VIBB 2-0 B/A 917-012 Custom Mediub 1 x VIBB 2-0 B/A 917-012 Custom Mediub 1 x SIBB 2-0 B/A 917-013 Custom Mediub 1 x Custom SIBB 2-0 B/A 917-013 Custom Mediub 1 x Custom SIBB 2-0 B/A 917-013 Custom Mediub 1 x SIBB 2-0 B/A 917-014 Custom Mediub 1 x SIBB 2-0 B/A 917-015 Custom Mediub 1 x SIBB 2-0 B/A 917-017 Custom Mediub 1 x SIBB 2-0 B/B 917-018 Custom Me	Compatibility of Ouston't Modules/Reystones with products	With Hab			
000 200 Custom Module Distription digital 001 200 Custom Module Distription digital 002 200 Custom Module Distription digital 917 2011 Custom Module Distription digital 917 2012 Custom Module 1 x USB 2 2 3X4 917 2019 Custom Module Distription digital 917 2019 Custom Module Distripti			lid	FRAME COVER	
### 17.00 Custom Module 1 km Cover ### 17.00 Custom	903.204 Custom Module VGA analogue				
### 17.00 Custom Module 1 km Cover ### 17.00 Custom	903.205 Custom Module HDMI digital				
### 17.013 Custom Module 1 x NEA cover with acrew dome ### 17.011 Custom Module 1 x NEA cover with acrew dome ### 17.011 Custom Module 1 x NEA cover with acrew dome ### 17.013 Custom Module 1 x NEB 2.0 A/B ### 17.013 Custom Module 1 x NEB 2.0 A/B ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.013 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.024 Custom Module 1 x NEB 2.0 B/A ### 17.025 Custom Module 1 x NEB 2.0	•				
17.012 Custom Module 1 x VSB 2.0 A/B	917.009 Custom Module blank cover	•	•	•	•
### 17.019 Custom Module 1 x RB232 socket ### 17.019 Custom Module 1 x USB 2.0 AB ### 17.019 Custom Module 1 x USB 2.0 BB ### 17.019 Custom Module 1 x Cinch audio stereo ### 17.019 Custom Module 1 x Cinch audio stereo ### 17.023 Custom Module 1 x S. Amm ministure jack ### 17.024 Custom Module 1 x S. Amm ministure jack ### 17.024 Custom Module 1 x S. Amm ministure jack ### 17.025 Custom Module 1 x S. Amm ministure jack ### 17.035 Custom Module 1 x S. Amm ministure jack ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 2 x S. Amm jack septiand ### 17.035 Custom Module 3 x S. Amm jack septiand ### 17.035 Custom Module 3 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Module 1 x S. Amm jack septiand ### 17.035 Custom Modul	917.010 Custom Module blank cover with screw dome	•	•	•	•
917.019 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 3.5 mm ministure jack  917.024 Custom Module 1 x 3.5 mm ministure jack  917.025 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.026 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.027 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.028 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.028 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.028 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.031 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.032 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.031 Custom Module 1 x SINC widen 4 2x Cinch audio stereo  917.032 Custom Module 1 x SINC widen 4 x Cinch widen with diameter up to 11 mm  917.035 Custom Module 1 x SINC widen 4 x K Cinch widen  917.036 Custom Module 1 x SINC widen 4 x K Cinch widen  917.036 Custom Module 1 x SINC widen 4 x K Cinch widen  917.037 Custom Module 1 x SINC widen 4 x K Cinch widen  917.047 Custom Module with staniess steel button  917.047 Custom Module i x VGA + ministure jack  917.047 Custom Module i x VGA + ministure jack  917.047 Custom Module 1 x VGA + ministure jack  917.048 Custom Module 1 x VGA + ministure jack  917.048 Custom Module 1 x Cinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen  917.048 Custom Module 1 x Sinch widen + widen	917.011 Custom Module 1x VGA				
917.029 Custom Module 1 x USB 2.0 B/A 917.022 Custom Module 1 x X.D.R. 4 pole interest pack 917.023 Custom Module 1 x X.D.R. 4 pole interpreture 917.026 Custom Module 1 x Chich video + 2 x Cinch audio stereo 917.027 Custom Module 1 x Chich video + 2 x Cinch audio stereo 917.027 Custom Module 1 x S.M.R. 4 pole interpreture 917.028 Custom Module 1 x S.M.R. 4 pole interpreture 917.028 Custom Module 1 x S.M. 4 pole interpreture 917.028 Custom Module 1 x S.M. 4 pole year of the video of	917.012 Custom Module 1 x RS232 socket			•	
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917.071 Custom Module 1 x VGA + miniature jack 917.072 Custom Module 1 x VGA + miniature jack 917.073 Custom Module 1 x VGA + miniature jack 917.075 Custom Module RS232 socket 917.076 Custom Module RS232 plug 917.076 Custom Module RS232 plug 917.078 Custom Module 1 x DVI-I 917.082 Custom Module 2 x DVI-I 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 Cinch video RGB 917.092 Custom Module 1 x S-video + Cinch video RGB 917.093 Custom Module 1 x Cinch audio stereo 917.094 Custom Module 1 x Cinch video RGB 917.095 Custom Module 1 x XLR 3-pole socket + 1 x 6.3 mm jack socket 917.095 Custom Module 1 x XLR 3-pole socket 917.096 Custom Module 1 x XLR 3-pole socket					
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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 RS232 plug • 917.078 Custom Module 1 x DVI-1 917.082 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 917.086 Custom Module 1 x Cinch video RGB 917.089 Custom Module 1 x Cinch video RGB 917.090 Custom Module 1 x Cinch video RGB 917.091 Custom Module 1 x Cinch video RGB 917.092 Custom Module 1 x Cinch video RGB 917.093 Custom Module 1 x S.5 mm miniature jack 917.094 Custom Module Combo series 1 x XLR 3-pole socket + 1 x 6.3 mm jack socket 917.095 Custom Module 1 x XLR 3-pole plug • 917.096 Custom Module 1 x XLR 3-pole socket	·			•	
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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  917.086 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 1 x XLR 3-pole socket + 1 x 6.3 mm jack socket  917.095 Custom Module 1 x XLR 3-pole plug  ● ●	,			•	
917.078 Custom Module 1x DVI-I 917.082 Custom Module cable gland 917.083 Custom Module 1x S-video + Cinch video 917.085 Custom Module 1x Cinch video + 2x Cinch audio stereo 917.085 Custom Module 1x Cinch video RGB 917.089 Custom Module 1x Cinch audio stereo 917.090 Custom Module 1x Cinch video RGB 917.091 Custom Module 1x 3.5 mm miniature jack 917.094 Custom Module Combo series 1x XLR 3-pole socket + 1x 6.3 mm jack socket 917.095 Custom Module 1x XLR 3-pole plug 917.096 Custom Module 1 x XLR 3-pole socket				•	
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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 6.3 mm jack socket 917.095 Custom Module 1 x XLR 3-pole socket 917.096 Custom Module 1 x XLR 3-pole socket				•	
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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 6.3 mm jack socket 917.095 Custom Module 1 x XLR 3-pole plug  • 917.096 Custom Module 1 x XLR 3-pole socket					
917.089 Custom Module 1x Cinch audio stereo 917.090 Custom Module 1x Cinch video RGB 917.091 Custom Module 1x 3.5 mm miniature jack 917.094 Custom Module Combo series 1x XLR 3-pole socket + 1x 6.3 mm jack socket 917.095 Custom Module 1x XLR 3-pole plug 917.096 Custom Module 1x XLR 3-pole socket					
917.090 Custom Module 1x Cinch video RGB 917.091 Custom Module 1x 3.5 mm miniature jack 917.094 Custom Module Combo series 1x XLR 3-pole socket + 1x 6.3 mm jack socket 917.095 Custom Module 1x XLR 3-pole plug 917.096 Custom Module 1x XLR 3-pole socket					
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 6.3 mm jack socket  917.095 Custom Module 1 x XLR 3-pole plug  917.096 Custom Module 1 x XLR 3-pole socket					
917.094 Custom Module Combo series 1x XLR 3-pole socket + 1x 6.3 mm jack socket 917.095 Custom Module 1x XLR 3-pole plug 917.096 Custom Module 1x XLR 3-pole socket  • •					
917.095 Custom Module 1x XLR 3-pole plug  917.096 Custom Module 1x XLR 3-pole socket  • •				•	
917.096 Custom Module 1x XLR 3-pole socket					
	917.095 Custom Module 1 x XLR 3-pole plug		•	•	
917.099 Custom Module 1x XLR 4-pole socket				•	
	917.099 Custom Module 1x XLR 4-pole socket			•	

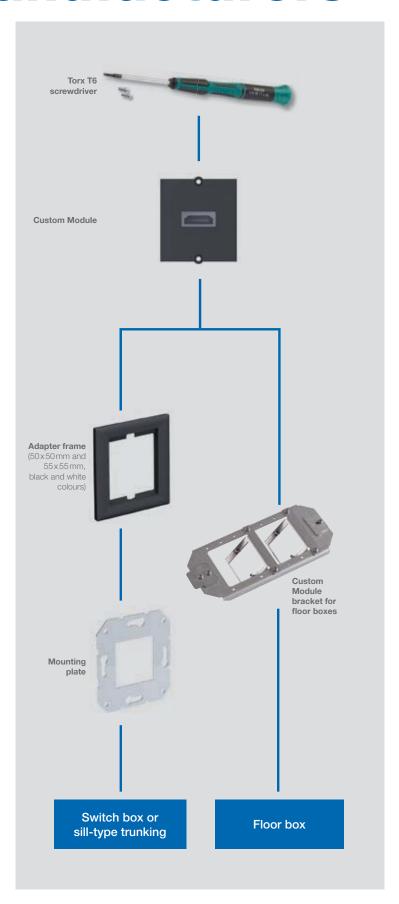
	PIX with lid	KAPSA with	POWER FRAME	DUE with lid
	(#926.XXX)	lid (#927.XXX)	COVER	(#929.XXX)
		,	(#915.XXX)	
917.100 Custom Module 1x XLR 5-pole plug		•	•	
917.101 Custom Module 1x XLR 5-pole socket			•	
917.102 Custom Module 1x 2-pole loudspeaker connection + 6.3 mm stereo jack				
917.110 Custom Module 1x 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 1x RS232 crossover socket			•	
917.117 Custom Module 1x TV/radio				
917.120 Keystone module USB 3.0 A/A K	•	•	•	•
917.121 Keystone Module USB 3.1 Type C K	•	•	•	•
917.134 Custom Module 1x VGA + miniature jack and button				
917.135 Custom Module Switch				
917.141 Custom Module 2x USB 2.0 A/A	•	•	•	•
917.143 Custom Module 1x HDMI	•	•	•	•
917.145 Custom Module 1x DisplayPort	•	•	•	•
917.150 Custom Module 1 x VGA + miniature jack			•	
917.157 Keystone module 1 x 3.5 mm miniature jack K			•	
917.183 Custom Module 1x 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 1x mini DisplayPort K	•	•	•	•
917.224 Custom Module USB charger	•	•	•	•
917.226 Custom Module VGA, jack, HDMI			•	
917.400 Keystone module USB 3.0 A/B K		•	•	
917.401 Keystone module USB 3.0 B/A K	•	•	•	•
918.033 CAT6a 10 GB patch cable plug/socket 3.0 m K	•	•	•	•
918.034 CAT6a 10 GB patch cable plug/socket 5.0 m K	•	•	•	•
918.035 CAT6a 10 GB TKM socket K	•	•	•	•
918.041 Keystone module 1x HDMI K	•	•	•	•
918.045 TOSLINK Keystone module K	•	•	•	•
918.071 OWG-LC duplex Keystone module K			•	
918.072 OWG-SC Keystone module K			•	
918.073 OWG-ST duplex Keystone module K			•	
940.044 Keystone module CAT6 coupling K	•	•	•	•
940.057 Keystone module CAT5e coupling K	•	•	•	•
940.083 Keystone module CAT6 coupling K	•	•	•	•
940.085 ISDN RJ12 Keystone module K	•	•	•	•
940.112 Keystone module CAT6 coupling K	•	•	•	•

# 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  $50 \times 50 \, \text{mm}$  and  $55 \times 55 \, \text{mm}$  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.  $2\,x\,\text{Torx}\,\,\text{M2 screws}\,|\,\text{For trunking, an additional mounting box is required (see manufacturer's range)}$ 

#### Adapter frame for switch range | Plastic

#	
917.065	External dimensions: $50 \times 50  \text{mm}$   Black, similar to RAL9005   Fits into conventional switch ranges ( $50 \times 50  \text{mm}$ 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: $50 \times 50  \text{mm}$   White, similar to RAL9010   Fits into conventional switch ranges ( $50 \times 50  \text{mm}$ 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: $55 \times 55  \text{mm}$   Black, similar to RAL 9005   Fits into conventional switch ranges ( $55 \times 55  \text{mm}$ internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201
917.169	External dimensions: 55x55mm   White, similar to RAL9010   Fits into conventional switch ranges (55 x 55mm internal dimensions) in conjunction with the stainless steel mounting plate 917.064   Please observe the compatibility list from page 201 onwards

#### **Custom Module bracket for floor boxes**





#### 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

#### 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

#### 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

#### 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







917.068











	BACHMANN Adapter frame n**	BACHMANN Adapter frame**	
Manufacturer/switch range	Colour black	Colour white	+ Adapter manufacturer number
Berker			
S.1	917.066	917.169	-
B.1	917.066	917.169	-
B.3	917.066	917.169	-
B.7 glass	917.066	917.169	-
K.1	917.065	917.168	11087124 11087106 11087109 11087102
K.5	917.065	917.168	11087104
Arsys	917.065	917.168	11080101 11089104 11089111 11080169 11080102
Module 2	917.065	917.168	114309 114302
Busch-Jaeger			
carat®	917.065	917.168	1746/10-81 1746/10-82 1746/10-84
pure stainless steel	917.065	917.168	1746/10-866
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 <sup>®</sup>	917.065	917.168	1746/10-82 1746/10-84 1746/10-85 1746/10-89
future linear®	917.065	917.168	1746/10-81 1746/10-82 1746/10-83 1746/10-84 1746/10-89
EGB			
Elegant Standard	917.065	917.168	143090045
Schneider Electric (ELSO)			
JOY	917.065	917.168	363080 363084
RIVA	917.065	917.168	203080 203084 2030831 2030811 2030819
RIVA	917.066	917.169	203160 203164 2031611 2031619
SCALA	917.065	917.168	203080 203084 2030811 2030819
SCALA	917.066	917.169	203160 203164 2031611 2031619
FASHION	917.065	917.168	203080 203084 203081 2030812 203082 2030831 203086 203089 2030844
FASHION	917.066	917.169	203160 203164 203160D
NOVIA	917.066	917.169	284800 284804
NOVIA	917.065	917.168	283160 283164 2831631 2831612 283166 283169 2831611
CLASSIC	917.065	917.168	303110 303111
Gira			
Standard 55	917.066	917.169	-
E2	917.066	917.169	-
Event	917.066	917.169	-
Esprit	917.066	917.169	-
E22	917.066	917.169	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
Jäger			
Opus	917.065	917.168	560.050.02
Jung			
AS 500	917.066	917.169	-
AS Universal	917.066	917.169	-
A 500	917.066	917.169	-
A plus	917.066	917.169	-

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

### Accessories

#### Keystone blank cover







#### **Custom Module blank cover**

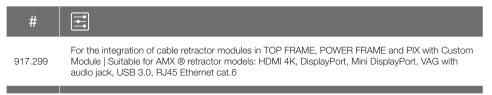
- · Blank cover as placeholder or for you to mount your own plug connectors
- · Material: Plastic | Material thickness: 1.8 mm

#	<b>=</b>
917.009	Black
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	White   With screw dome   Screw dome on rear side of module for fixing, e.g. of boards or blank holders

# 917.009



#### **Custom Module CABLE RETRACTOR**





917.167

#### **Torx T6 screws for Custom Modules**

#	<b>=</b>
917.041	Black   Designed for 10 screwing cycles   Contents: 10 items
917.111	Stainless steel   In mounting plate   Designed for 10 screwing cycles   Contents: 10 items   M2 screws for stainless steel mounting plate (917.064)



#### **Torx T6 screwdriver**

#	<b>=</b>
917.040	Torx T6 screwdriver suitable for Custom Module screws   Black





### **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

#### **Rextron HDBaseT transmitter**

- · Output: HDMI + HDBaseT via RJ45
- · Max. 70 metre cable length





#### **Rextron HDBaseT receiver**

#	
903.201	Input: HDBaseT via RJ45   Output: HDMI, HDCP compatible



#### **Mounting accessories**

#	<b>Ξ</b>
903.203	Mounting bracket for Rextron HDBaseT transmitter   2 units



For suitable audio/video cables, see from page 208.



For suitable Custom Modules, see page 193.



### Patch cable

#### **Patch cables**



CAT6a patch cable plug/plug | 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	1.0 m   Black
918.007	3.0 m   Black
918.008	5.0 m   Black

CAT6 patch cable plug/plug| 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	3.0 m   Grey
940.041	5.0 m   Grey

CAT5e patch cable plug/plug | 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	1.0 m   Grey			
940.052	3.0 m   Grey			
940.053	5.0 m   Grey			

RJ12 patch cable plug/plug | 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

3.0 m | Black



### USB cable

#### **USB 3.0 connection cable**



USB 3.0 A/A connection cable | Straight-through (not for host-to-host connection) | Ends 1 and 2: plug A | Can be used with Custom Modules with USB A socket | Fully wired

918.176	1.0 m   Black   Grey plug
918.178	2.0 m   Black   Grey plug
918.177	3.0 m   Black   Grey plug

USB 3.0 A/A connecting cable Crossed (for host-to-host connection) | Ends 1 and 2: plug A | Can be used with Custom Modules with USB A socket | Fully wired

918.081	1.0 m   Black   Black plug
918.083	1.8 m   Black   Black plug
918.082	3.0 m   Black   Black plug

USB 3.0 A/B connecting cable | End 1: plug A | End 2: plug B | Fully wired

917.1205	1.0 m   Black   Black plug
917.1203	3.0 m   Black   Black plug





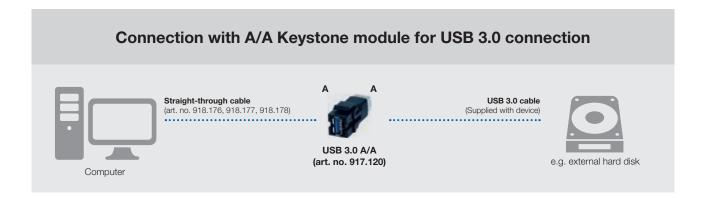


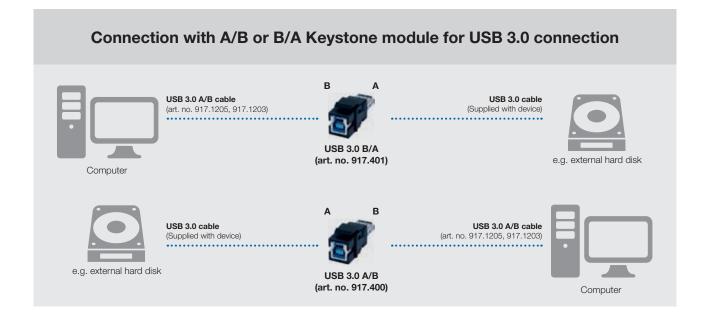
K For suitable **Keystones and Keystone mounts,** see from page 183.

#### **USB 3.1 Type C connection cable**









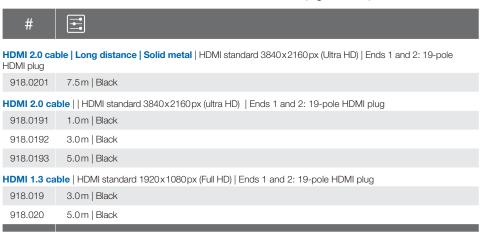


K For suitable **Keystones,** see from page 183.

### **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)





# **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	3.0 m   Black
918.0953	5.0 m   Black





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)





### VGA cable

#### 15-pole VGA HD extension cable

# =

1 x VGA | 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	1.0 m   Black
940.047	3.0 m   Black
940.048	5.0 m   Black



#### **High-quality combination cable**

# =

1x VGA | 1x miniature jack | 1x control signal | High flexibility | Ends 1 and 2: 1x VGA plug 15 HD; 1x miniature jack plug 3.5mm; 1x 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)

	adda with dation modeled with very firminatary jack decide decide and batter (e.g. 617.161)						
	903.107	1.0 m   Black					
	903.108	3.0 m   Black					
	903.109	5.0 m   Black					
	903.110	10.0 m   Black					

 $\begin{tabular}{ll} \textbf{1 x VGA} & \textbf{1 x miniature jack} & \textbf{1 To connect from: connector panel to laptop, connector panel to signal booster, signal booster to monitor/TV (optional) & \textbf{1 Ends 1 and 2: 1 x VGA plug 15 HD, 1 x miniature jack plug 3.5 mm & \textbf{1 Plug with metal housing and shielding} \end{tabular}$ 

940.176	1.0 m   Black				
918.067	3.0 m   Black				
918.068	5.0 m   Black				
918.069	10.0 m   Black				





C

For suitable Custom Modules, see from page 180.

# **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)

#	
Ends 1 and	d 2: 3.5mm stereo miniature jack plug
918.010	1.5 m   Black
918.011	2.5 m   Black
918.012	5.0 m   Black



### Cinch cable

#### Cinch video + audio stereo connection cable

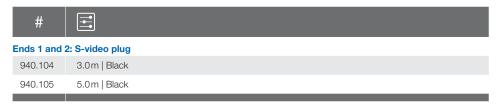
- $\cdot$  Transmission of analogue image and audio signals
- · Can be used with Custom Modules with Cinch socket/socket (e.g. 917.026)





#### S-video (Hosiden) connection cable

- $\cdot$  Transmission of analogue image signals
- $\cdot$  Can be used with Custom Modules with S-video socket/socket (e.g. 917.028/917.035)





# Independent Systems





### **Independent Monitor**

Independent Monitor:	
Innovation meets presentation	214
Application components	216
Configuration options	218



# **Independent Monitor**

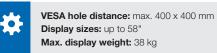
Whether in presentations, video conferences or on websites: the act of sharing visual content with colleagues, customers and partners is key to the world of work today.

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.

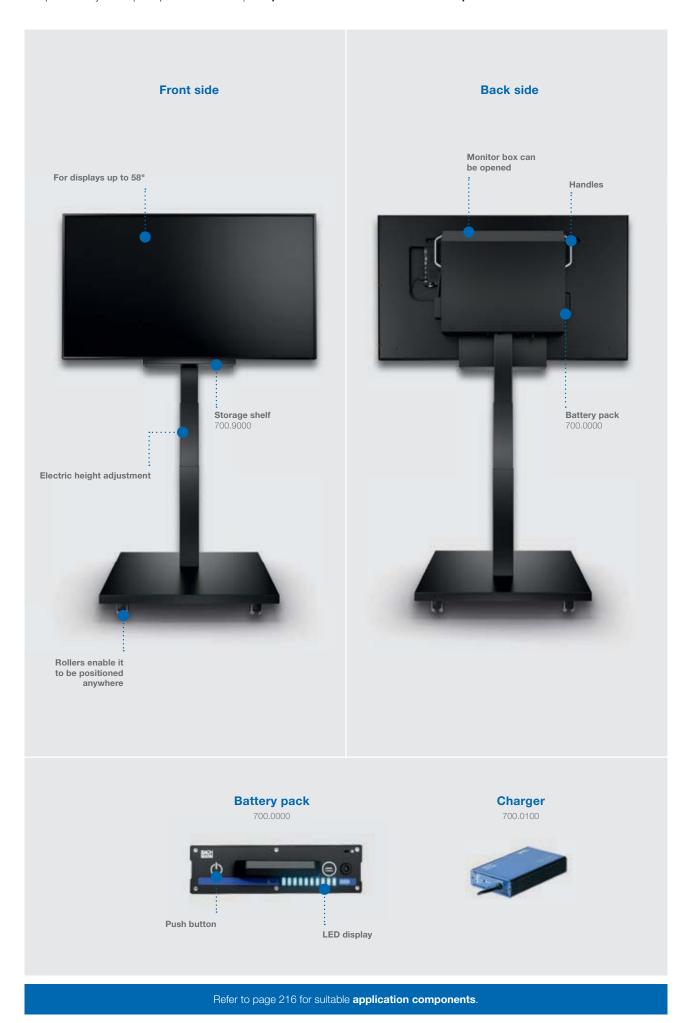
The integrated status display on the battery pack always provides an overview of the remaining operating time for the Independent Monitor. Batteries can be fully charged at night to enable reliable, efficient use during the day. A high-resolution display and integrated loudspeakers present audio and 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







# **Application** components

#### **Battery pack**





#### 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,  $300 \times 300 \, \text{mm}, \, 400 \times 300 \, \text{mm}, \, 400 \times 400 \, \text{mm}$





#### **Display**





700.4000

#### **Media equipment**

#	<b> Ξ</b>
903.700	Barco Clickshare CS-100   WiFi presentation system
903.800	Bright Sign LS423   Digital Signage Player





#### **Accessories**

#	
Media caddy	y accessories
700.9000	Storage shelf   Steel sheet in black similar to RAL9005
700.9001	Storage shelf   Steel sheet in white, similar to RAL9010
Media equip	ment 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   1.0 m   black





## **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**

## Battery pack    700.0000 battery pack LI1000	•	•
### Top: Top: Top: Top: Top: Top: Top: Top:	•	•
Media caddy         700.3000 Black, similar to RAL 9005       ●         700.3001 White, similar to RAL 9010       ●         Display       700.4000 SWEDX SDS58K8-01 monitor       ●         700.4001 Sony Bravia FW-49BZ35F monitor       ●         Media equipment*       903.700 Barco ClickShare CS-100         903.800 Bright Sign LS423         Accessories*	•	•
700.3000 Black, similar to RAL 9005 700.3001 White, similar to RAL 9010  Display 700.4000 SWEDX SDS58K8-01 monitor 700.4001 Sony Bravia FW-49BZ35F monitor  Media equipment* 903.700 Barco ClickShare CS-100 903.800 Bright Sign LS423  Accessories*	•	•
700.3001 White, similar to RAL 9010  Display  700.4000 SWEDX SDS58K8-01 monitor  700.4001 Sony Bravia FW-49BZ35F monitor  Media equipment*  903.700 Barco ClickShare CS-100  903.800 Bright Sign LS423  Accessories*	•	•
Display  700.4000 SWEDX SDS58K8-01 monitor  700.4001 Sony Bravia FW-49BZ35F monitor  Media equipment*  903.700 Barco ClickShare CS-100  903.800 Bright Sign LS423  Accessories*	•	•
700.4000 SWEDX SDS58K8-01 monitor  700.4001 Sony Bravia FW-49BZ35F monitor  Media equipment*  903.700 Barco ClickShare CS-100  903.800 Bright Sign LS423  Accessories*		
700.4001 Sony Bravia FW-49BZ35F monitor  Media equipment*  903.700 Barco ClickShare CS-100  903.800 Bright Sign LS423  Accessories*		
Media equipment*  903.700 Barco ClickShare CS-100  903.800 Bright Sign LS423  Accessories*	•	•
903.700 Barco ClickShare CS-100 903.800 Bright Sign LS423  Accessories*	•	•
903.800 Bright Sign LS423 Accessories*		
Accessories*	•	
		•
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	•	•
918.200 HDMI 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.

Download at www.bachmann.com/downloads



## Lamps





#### Mobile

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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
- · 230 V~ mains adapter
- · Automotive charging device With switch
- · Individually packed in blister packaging
- · Diameter 6 cm



#### **Battery-powered LED handheld lamp**

394.188	60 LEDs, 3.6W   With 1 magnetic holder   Length: 42 cm
394.190	160 LEDs, 9.6 W   With 2 magnetic holders   Length: 53.5 cm



#### Stick lamp

- · 8 W fluorescent lamp
- · Not changeable, with integrated reflector
- · Electronic ballast unit built into the handle, 50 Hz
- · Plastic version with shock resistant protection tube and rotary hook
- · 5.0 m H05RN-F 2 x 0.75 mm<sup>2</sup> supply cable with 2.5 A Euro plug
- · IP20, including light bulb





#### Professional stick lamp with energy saving lamp

- $\cdot$  11 W / 250 V~, IP54
- · Interchangeable, anti-glare, pleasant light
- $\cdot$  Oil-resistant rubber version with shock-resistant protection tube
- · Integrated reflector and robust suspension hooks
- $\cdot$  5.0 m H05RN-F 2 x 1.00 mm² rubber cable with contour plug
- · Splash-proof and dust-proof design
- · Including light bulb (Dulux S 11 watts)





#### **Rubber handheld lamp**

- $\cdot$  E27 holder, max 100 W / 250 V~
- $\cdot$  Interchangeable, with protective glass
- · Oil-resistant rubber design
- $\cdot$  Metal basket with integrated hook, light bulbs not included
- · Length: 27 cm

#	
394.183	5.0 m H05RN-F 2x 1.0 mm² supply cable with plug   IP44   Protection class II   Dual-insulated   Black
394.187	Without cable   IP40   Black
910.1011	Replacement glass   Protective glass



www.bachmann.com



## **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

2x socket outlets with earthing contact on the back side  $|\,5\,m\,H07RN\text{-F}\,\,3x\,\,1.5\,mm^2\,\,|\,$  SMD LED  $|\,\,32\,W/250\,V^{\sim}\,|\,IP44$ 



#### **Professional tripod**

- · Robust tripod construction | Zinc-plated | With mounting plate, fixing screws and handy cable rewind point
- $\cdot$  Height adjustable up to 2.50 m  $\,$
- · Weight: 6 kg
- · Suitable for 720.020, 720.021, 720.022 and 720.035



#### Mobile halogen lamp

- · 2 m cable: H05VV-F3G 1.00 mm² with plug
- $\cdot$  400 W R7S halogen bulb included
- $\cdot$  Aluminium die-cast housing with cooling fins
- · Continuously adjustable frame in black with carrying handle



#### Mobile halogen lamp with tripod

- · 2 m cable: H05RN-F3G 1.00 mm² with plug
- · 400 W R7S halogen bulb included
- · Aluminium die-cast housing with cooling fins
- $\cdot$  Stand with aluminium die-cast articulation | Height adjustable up to 2 m
- · With practical cable rewind
- · For use outside



#### **Battery-powered LED spotlight**

- $\cdot$  With Li-ion battery and magnets
- · Light colour 4000K
- · A+ energy efficiency class
- · With mains adapter 230 V
- · IP54













## **LED** spotlights

#### **Chip LED spotlight**

- · Die-cast aluminium housing
- $\cdot$  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 $^2$   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 mm²   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 mm²   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 mm²	
720.043	20 W Samsung LED chip   Approx. 1700 lumens   2 m H05RN-F 3G 1.0 mm² with earthing safety plug	
720.042	50 W Samsung LED chip   Approx. 4250 lumens   2 m H05RN-F 3G 1.0 mm² with earthing safety plug	
720.0362	80 W Samsung LED chip   Approx. 6800 lumens   2 m H05RN-F 3G 1.5 mm² with earthing safety plug	
720.047	120 W Samsung LED chip   Approx. 10200 lumens   2 m H05RN-F 3G 1.5 mm² with earthing safety plug	
Without mot	ion detector   With rubber hose line   IP44	
720.048	$50~\rm W$ Samsung LED chip with ergonomic plastic handle   Approx. 4250 lumens   3 m H05RN-F 3G 1.5 mm² with 2 earthing safety plugs and hinged lid	
Without mot	ion detector   Without supply cable   IP65	
720.045	10 W Samsung LED chip   Approx. 850 lumens   Cable entry module max. 3G 1.5	





720,041



720.040













### **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

#	<b>=</b>
740.005	10 m cable With 10 E 27 lamp holders   Green
740.006	20 m cable With 20 E 27 lamp holders   Green



#### **Lamp holders**







#### Sealing ring for illumination lamp holders

- · For fitting or retrofitting lamp holders to light chains for outdoor use
- $\cdot$  Guaranteed protection from water droplets when the bulb is directed downwards

#	
740.001	E 27   Black
740.012	E 14   Black













#### **Accessories for illumination light chains**

necocconico for manimation figure offanto	
#	<b>=</b>
740.015	Connecting box Black   For flat cables H05RN H2-F, 5.0 x 13.0 mm <sup>2</sup>
740.017	Solid rubber right-angled plug Black   IP44   For flat cables   With snap latch   With surface clamps   Assembled with two screws at front
740.002	Flat cable plug for illumination cable 16A / 250 V~ Black   DIN 49406   For H05RN H2-F2x 1.5 mm² cables, solid rubber version   Without earthing contact   With snap latch
740.003	Flat coupling for illumination cable Black   DIN 0282   With hinged lid and mounting   Without earthing contact   For contour plugs only
740.004	End piece for illumination cable Black   DIN 0282   With mounting hook   Provides a secure end to cables

### **Accessories**

#### E 27 holder with earth spike

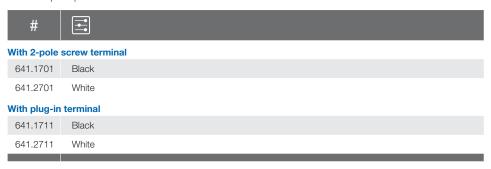
- · Plastic housing with seal, splash-proof
- · Lamp holder can be swivelled
- · For use only with PAR38 80 W light bulb (not included)





#### Lamp holder, pre-wired

- · 60 W plastic E 27 holder
- · 0.2m H03VV-F 2x0.75 mm²
- · 250 V~ | 4 A | T180





641.1701 Similar to illustration









#### Light bulb adapter











#### Porcelain terminal

#	<b>=</b>	
For wire cross sections up to 2.50 mm <sup>2</sup>   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: 21x18x16mm   Hole diameter approx. 4.3mm	
950.003	3-pole with central mounting hole   Dimensions: 33x19x16mm   Hole diameter approx. 4.3mm	
For wire cross sections up to 4mm <sup>2</sup>		
950.004	2-pole with central mounting hole   Dimensions: 24x22x22mm   Hole diameter approx. 5.0mm	





#### Outdoor twilight switch IP44 series 8813 | 97 x 65 x 43 mm

- · 230 V~ | 50 Hz
- $\cdot$  16 A ohmic load, 8 A inductive load
- $\cdot$  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





#### Twilight switch DS-A, series 8812 | 34x23x16mm

- · 230 V~ | 50/60 Hz | +/- 10%
- · Max. load 100 VA at Tu = -20°C to +35°C
- · Load current max. 430 mA
- $\cdot$  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
- $\cdot$  1 item on blister card







#### Pulse starter, series 8600

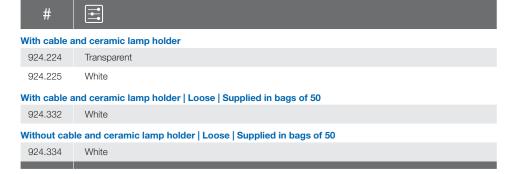
- · Instant ignition (rapid starter)
- $\cdot$  For fluorescent lamps, reduces the costs of maintenance and replacement of fluorescent
- · Protects the environment
- $\cdot$  10-year warranty, -30 °C to +75 °C

#	<b>=</b>
924.167	EFS 120/110-250V  4-22W
924.168	EFS 600/200-260V  4-125W



#### Silicone housing, MAXI series 1000

- · For halogen cold light mirror lamps 6U 5.3, Ø 51 mm, 12 V ~, maximum 35 W
- · Do not use Cool Beam light bulbs
- · Triple-insulated | Light bulbs not included





#### Decorative rings, series 1002

- · For MAXI series 1000 silicone housing
- $\cdot$  Dimensions: inner 5 cm, outer 8 cm

#	==
924.250	Matt brushed stainless steel



#### 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
- $\cdot$  Diameter: 51 mm | 230 V~ | Max. 35 W or GU10 V LED lamp up to 5 W

#	<b>=</b>
924.350	White
924.352	Transparent
924.355	Grey (similar to RAL7016)



924.350



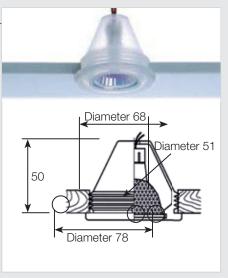
#### MAXI silicone housing for low-voltage recessed halogen spotlights

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:

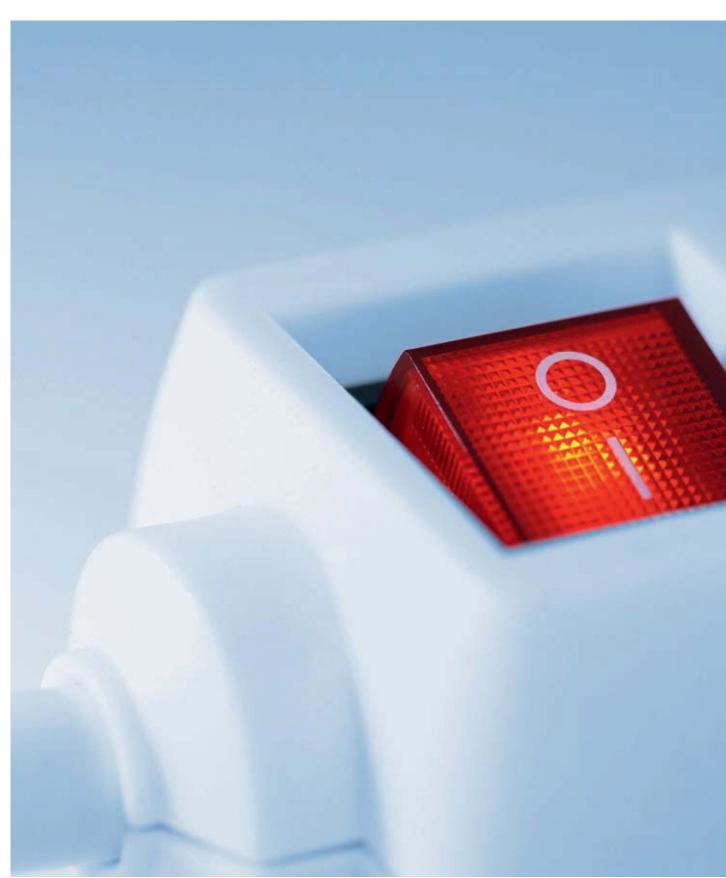
- Totally rust-free
- Resistant to UV, ozone and ageing
- Heat- and cold-resistant
- Excellent resistance to weather and maritime environments
- Quick and easy to assemble and dismantle
- No fitting of individual components
- Bulb changes without tools
- No troublesome metal rings
- Can also be used 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 BXR
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Special products	249



### **Dimmers**

#### LED dimmer for external buttons, series 8122

- · 250 V~ | 50 Hz | 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





#### LED-Line pushbutton dimmer, series 8124

- · 250 V~ | 50 Hz | 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
- $\cdot$  For hand and foot operation





#### LED-Line pushbutton dimmer, series 8119 | 81 x 32 x 23 mm

- · With soft-start and memory function
- · 250 V~ (+/- 10%), 50 Hz, 5-100 W/VA, LED 3-35 W
- $\cdot$  For dimmable LED lamps, high-voltage halogen lamps and light bulbs
- · Electronic, transistor-controlled, phase-controlled dimmer without inductor
- $\cdot$  On/Off/Dimming using a pushbutton
- · Active current limitation with overtemperature protection
- · Low-noise operation
- $\cdot$  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





#### LED intermediate dimmer, series 8116

- · 250 V~ | 50 Hz | 7-110 W/VA | LED 3-35 W
- $\cdot$  Separate on / off switches, control wheel provides dimming function
- · For low-voltage halogen lamps with conventional transformers, high-voltage halogen lamps and light bulbs







#### Line intermediate dimmer/reverse phase control dimmer, series 8113

#### 130 x 60 x 35 mm

- · 250 V~ | 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
- $\cdot$  For low-voltage halogen lamps with electronic transformers, high-voltage halogen lamps and light bulbs
- · No fuse protection | Buzz-free

#	<b>=</b>
924.338	Housing, black
924.353	Housing, transparent

#### LED intermediate dimmer, series 8115

- · 250 V~ | 50 Hz | 7-110 W/VA
- · Connection options can be freely selected (as intermediate or end dimmer)
- · Hand and foot operation
- $\cdot$  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

- · 250 V~ (+/- 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
- $\cdot$  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

#### Line intermediate dimmer, series 8114 | 96x41x29mm

- $\cdot$  250 V~ | 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

#	<b>=</b>
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









#### Line intermediate dimmer, series 8013 | 107 x 60 x 30 mm

- · 250 V~ | 20-500 W
- $\cdot$  For low-voltage halogen lamps with conventional transformers, high-voltage halogen lamps and light bulbs
- $\cdot$  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 | 92x28x27 mm

- $\cdot$  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

- $\cdot$  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
- $\cdot$  With 2 m cable and appliance plug, plug with child protection

#	<b>≡</b>
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





#### Line intermediate switch, series 5044 | 81 x 32 x 29 mm

- $\cdot$  2(1)A/250V~ | On/Off switch, 1-pole
- · Housing and strain relief screwed, 2 connecting terminals
- $\cdot$  For dual-insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²
- · Strain relief
- · Screwed contacts

#	<b>:</b>
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



#### Line intermediate switch, series 8007 | 61 x 23 x 15 mm

- · 2 A/250 V~ | On/Off switch, 1-pole
- $\cdot$  Strain relief and screwed housing
- $\cdot$  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





#### Line intermediate switch, series 8002 | 58x28x29mm (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



#### **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 mm² and 2 x 0.75 mm²

924.043 Housing black   Rocker black  924.044 Housing white   Rocker white
924 044 Housing white   Bocker white
52 horr Hodoling Willio Proprior Willio
924.045 Housing brown   Rocker brown
924.046 Housing gold   Rocker gold
924.261 Housing titanium   Rocker black



#### Line intermediate switch, series 8006 | 76x26x23mm

- · 6(4) A/250 V~ | On/Off switch, 1-pole
- · Screw-in strain relief | Screwed housing | 2 connecting terminals
- · Marking 0 I
- $\cdot$  For dual-insulated flat cable 2 x 0.75 mm² and 3 x 0.75 mm²
- $\cdot$  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



#### Line intermediate switch, series 8010 | 80x30x25mm

- · 10(4) A/250 V~ | On/Off switch, 2-pole
- $\cdot$  Screw-in strain relief | Screwed housing | Connecting terminal for protective conductor
- · Marking 0 I
- $\cdot$  For cables 2 x 0.75 mm² and 3 x 0.75 mm²

#	<b>≡</b>
924.051	Housing black   Rocker red
924.052	Housing white   Rocker white
924.053	Housing brown   Rocker beige





#### 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
- · Illuminated
- $\cdot$  For cables, 2 x 0.75 mm<sup>2</sup> and 3 x 0.75 mm<sup>2</sup>
- · Screwed contacts





#### **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

#	<b>=</b>
924.054	Housing black   Button black
924.055	Housing white   Button white



#### Series 8057 cord intermediate switch

- $\cdot$  3(1) A / 250 V~ AC | 2 x On / Off switches, 1-pole
- · Screwed housing | Forced strain relief
- · Marking 0-I
- $\cdot$  For cables h 03 W h 2-f,  $2 \times 0.75\,\text{mm}^2\,\text{or}$  h 03 VV-f,  $2 \times 0.75\,\text{mm}^2$

#	
924.087	Housing black   Rocker black
924.088	Housing white   Rocker white



924.088

#### Series 8075 cord intermediate switch

- · 2 A / 250 V~ AC | On/Off switch, 1-pole
- $\cdot$  Screwed housing and strain relief
- · Connecting terminal for neutral conductor
- · For dual-insulated flat cable 2 x 0.75 mm²

#	
924.084	Housing white   Rocker white
924.085	Housing black   Rocker black
924.086	Housing titanium   Rocker black





#### Foot intermediate switches

- · Ø 66 mm
- $\cdot \ \text{With screwed contacts} \\$
- $\cdot$  For cables, 2 x 0.75 mm² and 3 x 0.75 mm²
- $\cdot$  2 connecting terminals | Snap-in mounting for housing | Strain relief, screwed
- · Strain relief

#		
Foot interm	ediate switch, series 50   2(1) A / 250 V~   On/Off switch, 1-pole	
924.262	Housing transparent   Button transparent	
Foot intermediate switch, series 5062   2(1) A/250 V~   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	
Foot intermediate switch, series 8009   2(1) A/250 V~   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	
Foot intermediate switch, series 8009   6(2) A/250 V~   On/Off switch, 1-pole   Suitable for secondary-phase halogen lamp switching		
924.068	Housing black   Button black	
924.069	Housing white   Button white	
Foot interm	ediate switch, series 8009   2(1) A/250 V~   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	
Foot interm	ediate switch, series 8008   2 A/250 V~   On/Off switch, 1-pole	
924.061	Housing brass   Button black   Screwed housing and strain relief	
Foot interm	ediate switch, series 8020   2(0.7) A / 250 V~   On/Off switch, 1-pole	
924.150	Housing black   Rocker black	

#### Pull switch | On/Off switch, 1-pole

- · Screwed contacts
- ∙ T 125°C

1 120 0	
#	
Pull switch,	series 3716   4(1)A/250V~
924.151	Housing black   Two-hole mounting   Hole distance 20 mm   Mounting holes, 3.4 mm diameter
Pull switch,	series 3730   2(1) A/250 V~
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
Pull switch,	series 3746   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
Pull switch,	series 3746   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























#### Pull serial switch, series 3776

- $\cdot$  Fixing holes, 3.15 mm diameter, screwed contacts
- · Circuit 0-1-1+2-2-0
- . T 85 °C





#### Pull switch, series 3717

- · 2(1) A, ~ 250 V, T 85°C
- · Screwless terminal connectors





#### **Pull cord**

- · 25 cm, with pull cone
- $\cdot$  Suitable for switch types 3716, 3730, 3746, 8017, 3776





#### Line-End switch, series 8016 | 30x51x20 mm

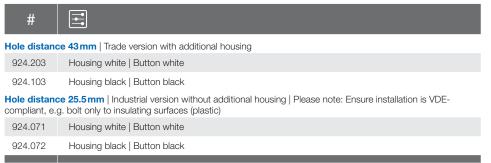
- · 10(2) A / 250 V~ | On/Off switch, 1-pole
- · With screwed contacts | Screwed housing and strain relief
- · Marking 0 1





#### Console pushbutton with spring contact, series 5120 | 39x34x15 mm

- · 2(1) A / 250 V~ | Break-contact switch, 1-pole
- · With screwed contacts | Two-hole mounting, mounting holes 3.5 mm diameter
- . T 85°C







#### 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

#	<b> ∃</b>
924.140	Button white   Thread length 8 mm
924.141	Button white   Thread length 12 mm



#### 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



#### **Pushbutton switch**

- · On / Off switch, 1-pole
- · Central mounting by M 10 x 1 mm | Screwed contacts
- · Bell-shaped nut screwed on

#				
<b>Pushbutton switch, series 8001</b>   2(0.7) A/250 V~   T 100 °C				
924.142	Button white   Thread length 8 mm			
924.143	Button black   Thread length 8 mm			
924.145	Button white   Universal for 8-15 mm thread   With 2 thread-reducing rings			
Pushbutton	switch, series 8001   6(2) A / 250 V~   T 85°C   Suitable for secondary-phase halogen lamp switching			
924.144	Button white   Thread length 8 mm			
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 11.5 mm			
924.138	Button black   Thread length 11.5 mm			
Flush pushbutton switch, series 3030   2(1) A / 250 V~   T 185°C   For H03W-F 2x0.75 mm², H03W-F 3G 0.75 mm², H03W H2-F 2x0.75 mm², bell-shaped nut screws on from above, constant switch position				
924.1370	Button white   Thread length 7.5 mm			

## 924.142 924.143 924.145

#### **Button, series 8001**

- $\cdot$  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

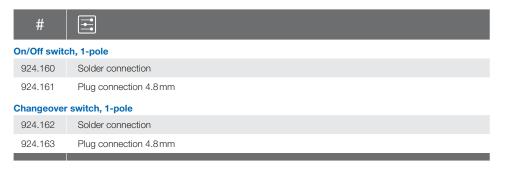
#	
924.149	Button white   Universal for 8-15 mm thread   With 2 thread-reducing rings





#### Toggle switch, series 8400

- · 6(4) A / 250 V~
- $\cdot$  Suitable for devices of protection class II | Central fastening M 12 x 0.75 mm
- · Hexagonal and knurled nut screwed on
- $\cdot$  Thermoplastic toggle and housing | Contacts made of silver | Terminals silver-plated
- $\cdot$  Suitable for switching the secondary circuit of halogen lamps
- . T 85 °C





#### Rocker switch, series 3652

- · 16(8) A / 250 V~
- $\cdot$  With and without illumination
- · Spade terminals 6.3 x 0.8 mm
- · No centre position
- ∙ T 125°C

#				
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	ch, 1-pole   Illuminated   Without rocker printing   11x30 mm 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   11x30 mm cut-out			
924.092	Housing black   Rocker black			
On/Off switch	ch, 2-pole   Non-illuminated   Rocker printing with 01   22 x 30 mm cut-out			
924.094	Housing white   Rocker white			
924.095	Housing black   Rocker black			
On/Off switch	ch, 2-pole   Illuminated   Rocker printing with 01   22 x 30 mm 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   22 x 30 mm cut-out			
924.109	Housing black   Rocker black			
On/Off switch	ch, 2 x 1-pole   Illuminated   Without rocker printing   22 x 30 mm cut-out			
924.120	Housing black   Rocker red/red			

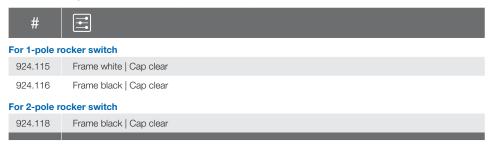


924.120



#### SPVC covers and frames, series 22

· For retrofitting to series 3652 as splash and dust protection



#### Rocker switch, series 8004

- $\cdot$  6(2) A / 250 V~ | On/Off switch, 1-pole
- · Snap-in fixing for 19.4 x 13 mm cut-out
- · Suitable for switching the secondary circuit of halogen lamps
- · Non-illuminated, marking 0 I
- . T 85 °C

#	<b> Ξ</b>
924.127	Spade terminals 4.8 mm   Housing black   Rocker black
924.128	Screw connections   Housing black   Rocker red

#### Rocker switch, series 8005

- · 16(4) A / 250 V~ | On/Off switch, 2-pole
- · Snap-in fixing for 22 x 30 mm cut-out
- · Combined spade terminals 6.3 mm
- · Screw terminals M 3
- · Illuminated, marking 0 I
- ∙ T 85 °C



#### Rocker switch, series 8014



 $\label{localization} \textbf{Installation dimension 22mm}, \text{ 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 $| A 10 | A 1$ 

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  $\mid$  On/Off switch, 2-poles  $\mid$  16(4)A/250V~  $\mid$  T 85 °C  $\mid$  M 3 screw connections, with water protection cap, illuminated, marking 0 I

١ /			,	1 /
924.136	Housing red	Rocker red		
324.100	I lousing red	I IOCKEI IEG		













#### 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





924,178

#### Flush rocker switch, series 3628

Housing black | Rocker red

· 10(4) A

924.178

- · Spade terminals 4.8 x 0.8 mm
- · Installation dimensions 22 x 19 mm
- · Marking 0-I





#### Flush rocker switch, series 3630

- · 5A
- · Spade terminals 4.8 x 0.8 mm
- · Installation dimension 20 mm Ø

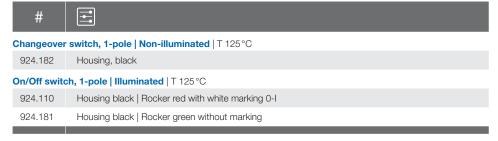




924.191

#### Flush rocker switch, series 3631

- · 10(4) A, 250 V~
- · With and without illumination
- · Spade terminals 4.8 x 0.8 mm
- $\cdot$  Installation dimensions 19 x 13 mm





924.102

924.181

245



#### Flush rocker switch, series 3632

- · 10(2) A | 250 V~ | 1-pole | T125°
- $\cdot$  Changeover switch with central position "OFF", non-illuminated
- · Installation dimensions 19x13mm
- · Spade terminals 4.8 x 0.8 mm





#### Flush rocker button, series 3633

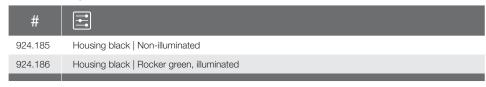
- $\cdot$  6 (2) A | 250 V~ | 1-pole | Normally open contact | T125°
- · Installation dimensions 19x13mm
- · Spade terminals 4.8 x 0.8 mm





#### Flush rocker switch, series 3634

- $\cdot$  10 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- · Installation dimensions 19x13mm
- $\cdot$  Spade terminals 4.8 x 0.8 mm
- · White marking 0-I





524.103

#### Flush pressure switch, series 3635

- $\cdot$  16 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- · Installation dimensions 19x13mm
- · Spade terminals 4.8 x 0.8 mm







#### Flush rocker switch, series 3658

- · 16 (4) A | 250 V~ | 2-pole | On / Off switch | T125°
- · Installation dimensions 19x13mm
- · Spade terminals 6.3 mm
- · With rubber seal
- $\cdot$  Water and dust protection as per IP65

#	<b>=</b>	
924.187	Housing black   Button green, illuminated	
924.188	924.188 Housing black   Button red, illuminated	



924.187





## **Child safety**

#### Teddy, series 6310

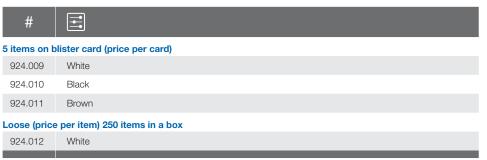
- $\cdot$  Socket guard for insertion into socket outlets with earthing contacts
- · Cover cap with key
- · Only to be removed from outlet using the key supplied

#			
5 items and	3 keys in transparent bag (price per bag)		
924.201	White		
924.101	Black		
924.004	Brown (supplied in units stated)		
Loose (price per item) 50 items in a box			
924.005	White		



#### Teddy automatic, series 6320

 $\cdot$  Socket guard for gluing into socket outlets with earthing contacts



# 924.009

924.011

#### 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

- $\cdot$  Orientation light and socket guard
- · With key







## **Special products**

#### Overload protection power strip, series 8110 | 75x45x270 mm

- · 250 V~ | 50 Hz / 16 A
- · 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



#### 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





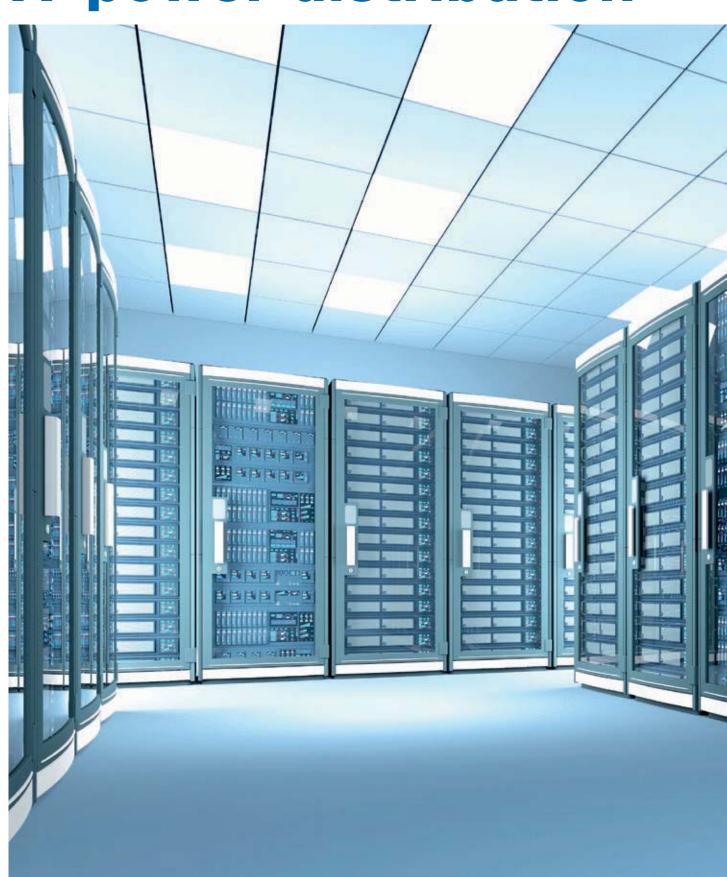
924.330



manual.

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

## IT power distribution





## AC power distribution units (PDU)

BlueNet - Smart Solutions	252
BN7500	261
BN7000	262
BN3500	263
BN3000	264
Type B Residual Current	
Monitoring (RCM)	266
BN7500 RCM -	
BN3000 RCM	268
BN2000 PLC	272
BN2000	276
BN0500	278
Basic	280
Accessories	288

## **DC** power distribution units (PDU)

Basic	290
Accessories	291



## 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.

# IT POWER DISTRIBUTION

## **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 me	etering tasks			vitching and ng 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		(•)				

# IT POWER DISTRIBUTION

## **BlueNet features**

	BN0500	BN2000	BN2000 PLC	BN3000	BN3500	BN7000	BN7500
Measurement							
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%
Display							
Туре	LCD	TFT	TFT	OLED	OLED	OLED	OLED
Display can be rotated using software		•	•	•	•	•	•
Switching							
Sockets can be switched						•	•
Switching with bistable relays						•	•
Operation							
Web browser		•	•	•	•	•	•
Local	•	•	•	•	•	•	•

Connections           Ethernet (10/100 Mbit/s)         • • • • •           USB         • • • •           Sockets for external sensors         2         2         2         2         2           Modbus RTU (master/slave operation)         • • • •         •         •         •           Isolated digital input         • • • •         •         •	• • • 2 • •
USB Sockets for external sensors 2 2 2 2 2  Modbus RTU (master/slave operation)  • • • •	•
Sockets for external sensors  2 2 2 2 2  Modbus RTU (master/slave operation)  • • •	2
Modbus RTU (master/slave operation)   • • •	2
	•
Isolated digital input   • • •	_
	•
Isolated relay output	•
Communication	
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 reset 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.

## POWER DISTRIBUTION

## **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 userspecific 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.









#### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

3.0 m Hu	5VV-F sup	piy cable w	ith CEE pi	ug   includin	g mounting	KIL	
#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (W×H×D)
16 A/230 V							
802.7500		18	4		22		1234×44×65 mm
802.7500-S	•	18	4		22		1234×44×65 mm
802.7502		18		4	22		1500x44x65mm
802.7523		24	4		28		1533x44x65mm
16 A/400 V							
802.7506		18	3		21		1533x44x65mm
802.7507		18		3	21		1500 x 44 x 65 mm
802.7508		24	6		30		1762x44x65mm
802.7508-S	•	24	6		30		1762×44×65 mm
802.7510		24		6	30		1762x44x65mm
802.7514		36	6		42	•	1943 x 44 x 65 mm
802.7514-S	•	36	6		42	•	1943 x 44 x 65 mm
32 A/230 V							
802.7501		16	4		20		1234×44×65 mm
802.7501-S	•	16	4		20		1234x44x65mm
802.7503		16		4	20		1234x44x65mm
802.7524		24	4		28		1533x44x65mm
32 A/400 V							
802.7509		24	6		30		1762x44x65mm
802.7509-S	•	24	6		30		1762x44x65mm
802.7511		24		6	30		1817x44x65mm





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Other product configurations (e.g. surge protection) and slave variants (802.75 XX-S) are available on request.

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For versions with Residual Current Monitoring (RCM), see page 268.









### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

3.01111103 <b>VV</b> -1 Su	ppry cable w	nui occ pi	ug   Includin	ig mounting	NIL	
# Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (VV×H×D)
16 A/230 V						
802.7000	18	4		22		1234×44×65 mm
802.7000-S •	18	4		22		1234×44×65 mm
802.7002	18		4	22		1500x44x65mm
802.7021	24	4		28		1533×44×65 mm
16 A/400 V						
802.7006	18	3		21		1500×44×65 mm
802.7007	18		3	21		1500x44x65mm
802.7008	24	6		30		1762×44×65 mm
802.7008-S •	24	6		30		1762x44x65mm
802.7010	24		6	30		1762×44×65 mm
802.7014	36	6		42	•	1943×44×65 mm
802.7014-S •	36	6		42	•	1943×44×65 mm
32 A/230 V						
802.7001	16	4		20		1234×44×65 mm
802.7001-S •	16	4		20		1234×44×65 mm
802.7003	16		4	20		1234×44×65 mm
802.7022	24	4		28		1533x44x65mm
32 A/400 V						
802.7009	24	6		30		1762×44×65 mm
802.7009-S •	24	6		30		1762×44×65 mm
802.7011	24		6	30		1817x44x65mm







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.









#### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

3.0 m Hu	5VV-F sup	piy cable w	ith CEE pi	ug   includin	g mounting	KIL	
#	Slave variant	C13	C19	CEE 7/3	Outlets in total	For at least 46 U server racks	Dimensions (W×H×D)
16 A/230 V							
802.3500		18	4		22		1234×44×65 mm
802.3500-S	•	18	4		22		1234 x 44 x 65 mm
802.3502		18		4	22		1500x44x65mm
802.3519		24	4		28		1533 x 44 x 65 mm
16 A/400 V							
802.3506		18	3		21		1500x44x65mm
802.3507		18		3	21		1500x44x65mm
802.3508		24	6		30		1762x44x65mm
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
32 A/230 V							
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
32 A/400 V							
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





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 $Other \ product\ configurations\ (e.g.\ surge\ protection)\ and\ slave\ variants\ (802.35XX-S)\ are\ available\ on\ request.$ 



For versions with Residual Current Monitoring (RCM), see page 269.









#### 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 (W×H×D)
16 A/230 V							
802.3004		16	4		20		1102x44x65mm
802.3004-S	•	16	4		20		1102x44x65mm
802.3006		16		4	20		1102×44×65 mm
802.3041		24	4		28		1533×44×65 mm
16 A/400 V							
802.3010		18	3		21		1234×44×65 mm
802.3011		18		3	21		1234×44×65 mm
802.3012		24	6		30		1533×44×65 mm
802.3012-S	•	24	6		30		1533×44×65 mm
802.3014		24		6	30		1533×44×65 mm
802.3016		24	6	6	36		1762×44×65 mm
802.3018		36	6		42		1873×44×65mm
802.3018-S	•	36	6		42		1873 x 44 x 65 mm
802.3020		36		6	42		1873×44×65 mm
32 A/230 V							
802.3005		16	4		20		1234×44×65 mm
802.3005-S	•	16	4		20		1234×44×65 mm
802.3007		16		4	20		1234x44x65mm
802.3042		24	4		28		1533 x 44 x 65 mm
32 A/400 V							
802.3013		24	6		30		1762×44×65 mm
802.3013-S	•	24	6		30		1762×44×65 mm
802.3015		24		6	30		1870×44×65 mm
802.3019		36	6		42	•	2170x44x65mm
802.3019-S	•	36	6		42	•	2170×44×65mm

802.3004

802.3010

802.3012

Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

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For versions with **Residual Current Monitoring (RCM),** see page 270.

## **BN3000 Inline**









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 (W×H×D)
802.3069		1	230	16	3.7	438×44×134mm
802.3069-S	•	1	230	16	3.7	438×44×134mm
802.3067		3	400	16	11.0	438×44×134mm
802.3067-S	•	3	400	16	11.0	438×44×134mm
802.3070		1	230	32	7.4	438x44x134mm
802.3070-S	•	1	230	32	7.4	438×44×134mm
802.3068		3	400	32	22.1	438×44×134mm
802.3068-S	•	3	400	32	22.1	438×44×134 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.



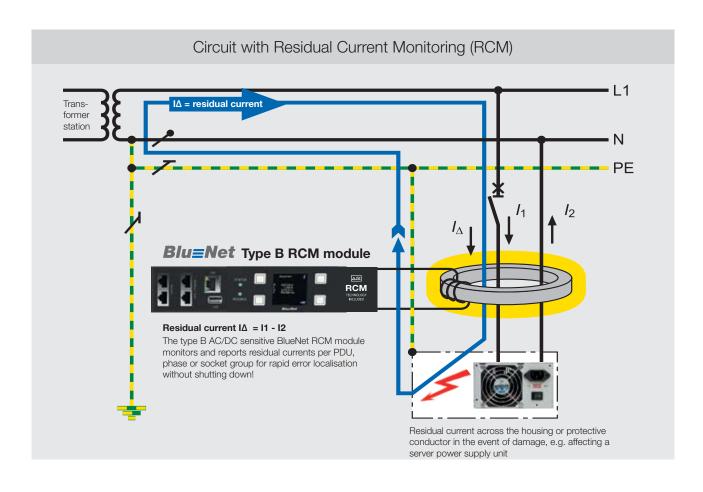


For operators and managers, outages, operational faults and interruptions to a data centre are nightmare scenarios. Potential avoidable triggers such as residual currents can be promptly detected with BlueNet RCM PDUs.

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





## **BN7500 RCM**









### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

#	C13	019	Outlets in total	Dimensions (W×H×D)				
16 A/230 V/R	16 A/230 V/Residual Current Monitoring per supply cable							
802.7531	18	4	22	1500x44x65mm				
32 A/230 V/R	esidual Current Monitoring po	er supply cable						
802.7532	16	4	20	1234x44x65mm				
16 A/400 V/R	esidual Current Monitoring po	er phase						
802.7521	24	6	30	1762x44x65mm				
32 A/400 V/R	32A/400V/Residual Current Monitoring per phase							
802.7530	24	6	30	1945×44×65mm				

802.7521



 $Other \ product\ configurations\ (e.g.\ surge\ protection)\ and\ slave\ variants\ (802.75XX-S)\ are\ available\ on\ request.$ 

## IT POWER DISTRIBUTION

## **BN7000 RCM**









### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

#	C13	019	Outlets in total	Dimensions (W×H×D)				
16 A/230 V/R	16 A/230 V/Residual Current Monitoring per supply cable							
802.7024	18	4	22	1500x44x65mm				
32 A/230 V/R	esidual Current Monitoring po	er supply cable						
802.7025	16	4	20	1234x44x65mm				
16 A/400 V/R	esidual Current Monitoring po	er phase						
802.7026	24	6	30	1762x44x65mm				
32 A/400 V/R	32 A/400 V/Residual Current Monitoring per phase							
802.7027	24	6	30	1945×44×65mm				

## **BN3500 RCM**









## 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

#	Slave variant	C13	C19	Outlets in total	Dimensions (W×H×D)			
16 A/230 V/R	esidual Current Monito	ring per supply cable						
802.3525		18	4	22	1500×44×65 mm			
32 A/230 V/R	esidual Current Monito	ring per supply cable						
802.3526		16	4	20	1234×44×65 mm			
16 A/400 V/R	esidual Current Monito	ring per phase						
802.3522		24	6	30	1762×44×65mm			
802.3522-S	•	24	6	30	1762×44×65 mm			
32 A/400 V/R	32 A/400 V/Residual Current Monitoring per phase							
802.3527		24	6	30	1945×44×65 mm			

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Other product configurations (e.g. surge protection) and slave variants (802.70XX-S and 802.35XX-S) are available on request.

## **BN3000 RCM**









### 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 (W×H×D)		
16 A/230 V/Re	16 A/230 V/Residual Current Monitoring per supply cable								
802.3055		16	4		20		1103×44×65mm		
802.3055-S	•	16	4		20		1103×44×65mm		
16 A/400 V/Re	esidual Current	Monitoring per	supply cable						
802.3030		24	12		36		1762×44×65 mm		
802.3030-S	•	24	12		36		1762×44×65mm		
32 A/400 V/Re	esidual Current	Monitoring per	supply cable						
802.3031		24	12		36	•	2037x44x65mm		
802.3031-S	•	24	12		36	•	2037 x 44 x 65 mm		
16 A/230 V/Re	esidual Current	Monitoring per	phase						
802.3032		12	2		14		891 x 44 x 65 mm		
16 A/400 V/Re	esidual Current	Monitoring per	phase						
802.3022		18	3		21		1234×44×65 mm		
802.3023		18		3	21		1500×44×65 mm		
802.3024		24	6		30		1533×44×65 mm		
802.3024-S	•	24	6		30		1533×44×65 mm		
32 A/400 V/Re	esidual Current	Monitoring per	phase						
802.3025		24	6		30		1873×44×65mm		
802.3025-S	•	24	6		30		1873×44×65 mm		







Other product configurations (e.g. surge protection) and slave variants (802.30XX-S) are available on request.

## IT POWER DISTRIBUTION

## **BN3000 RCM Inline**









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 (W×H×D)
802.3072		1	230	16	3.7	438×44×134 mm
802.3072-S	•	1	230	16	3.7	438×44×134 mm
802.3039		3	400	16	11.0	438×44×134mm
802.3039-S	•	3	400	16	11.0	438×44×134mm
802.3071		1	230	32	7.4	438×44×134 mm
802.3071-S	•	1	230	32	7.4	438×44×134mm
802.3065		3	400	32	22.1	438x44x134mm
802.3065-S	•	3	400	32	22.1	438×44×134 mm



## **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

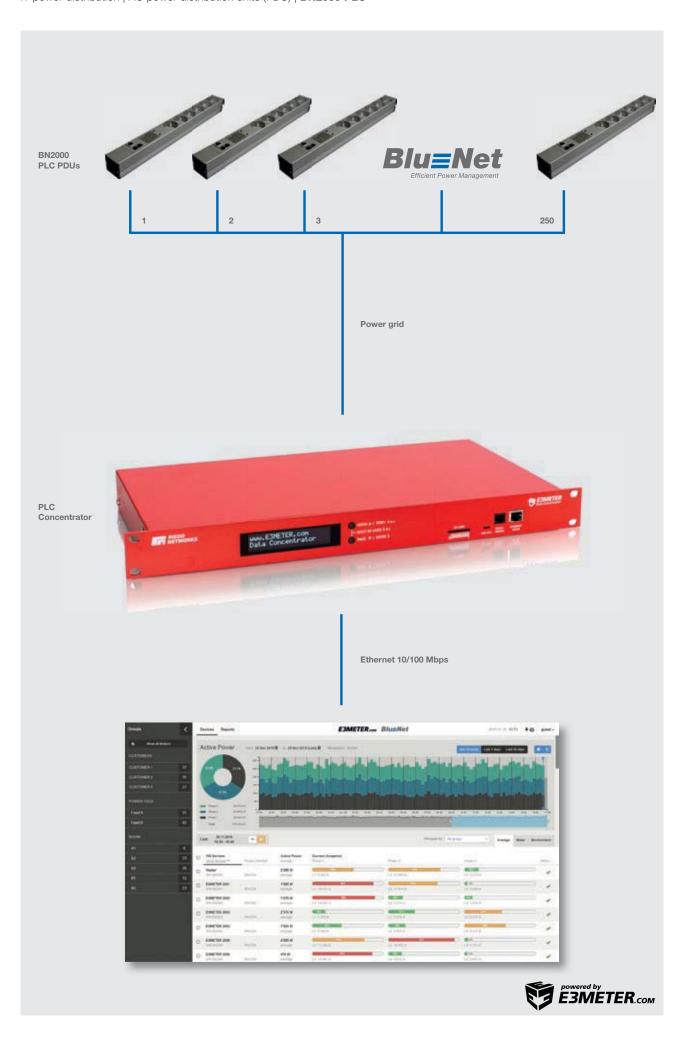
Reducing running costs in data centres is one of the most challenging tasks faced when planning and operating a data centre. BlueNet BN2000 PLC can make a considerable contribution to those efforts. The costs associated with the network infrastructure and providing and managing the measurement data depend 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
- $\cdot$  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)</li>



## **BN2000 PLC**









#### 3.0 m H05VV-F supply cable with CEE plug | Including mounting kit

3.011 HOSVV-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×H×D)			
16 A/230 V									
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			
16 A/400 V									
329.3146	18	3		21		1076x44x47 mm			
329.3147	18		3	21		991 x 44 x 47 mm			
329.3148	24	6		30		1374×44×47 mm			
329.3149	24		6	30		1374×44×47 mm			
329.3150	24	6	6	36		1660 x 44 x 47 mm			
329.3111	36			36		1458×44×47 mm			
329.3151	36	6		42		1629×44×47 mm			
329.3152	36		6	42		1629×44×47 mm			
32 A/230 V									
329.3153	16	4		20		1076x44x47mm			
329.3154	16		4	20		1076×44×47 mm			
329.3155	24	4		28		1246x44x47mm			
32 A/400 V									
329.3156	24	6		30		1799x44x47mm			
329.3157	24		6	30		1829×44×47 mm			
329.3158	36	6		42	•	2054×44×47 mm			





Variants with replaceable type 3 overvoltage protection available on request.

## IT POWER DISTRIBUTION

#### **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)
- $\cdot$  Integrated memory for logging data for up to 5 years
- $\cdot$  Two infeeds for monitoring the A and B supplies
- · Local OLED display for status queries and commissioning





#### 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**







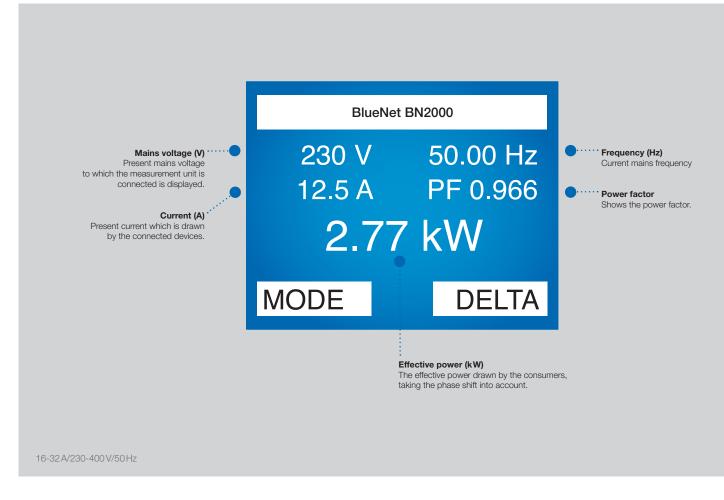


#### 16-32 A/230-400 V

#	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (W×H×D)
329.3060	1	230	16	3.7	232x104x102mm
329.3061	3	400	16	11.0	232x104x102mm
329.3062	1	230	32	7.4	232x104x102mm
329.3063	3	400	32	22.1	232×104×102mm







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</li>

#### 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 (W×H×D)
16 A/230 V									
329.3009	2	CEE 7/3	1		6			6	439×44×47mm
329.3010	2	CEE 7/3	1	8				8	439×44×47 mm
329.3057	3	CEE	1	24		3*		30	1033×44×47 mm
16 A/400 V									
329.3012	3	CEE	3	36	6			42	1758×44×47 mm
329.3013	3	CEE	3	36		6		42	1758×44×47 mm
329.3059	3	CEE	3	24		6*		30	1373×44×47 mm
32 A/230 V									
329.3056	3	CEE	1	24		4*	2	28	1331 x 44 x 47 mm
32 A/400 V									
329.3058	3	CEE	3	24		6*	6	30	1883×44×47 mm





## **BN2000 Inline**









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

#	Phase(s)	Voltage (V)	Current (A)	Power (kVA)	Dimensions (W×H×D)
329.3032	1	230	16	3.7	232 x 104 x 102 mm
329.3033	3	400	16	11.0	232 x 104 x 102 mm
329.3036	1	230	32	7.4	232 x 104 x 102 mm
329.3037	3	400	32	22.1	232×104×102mm

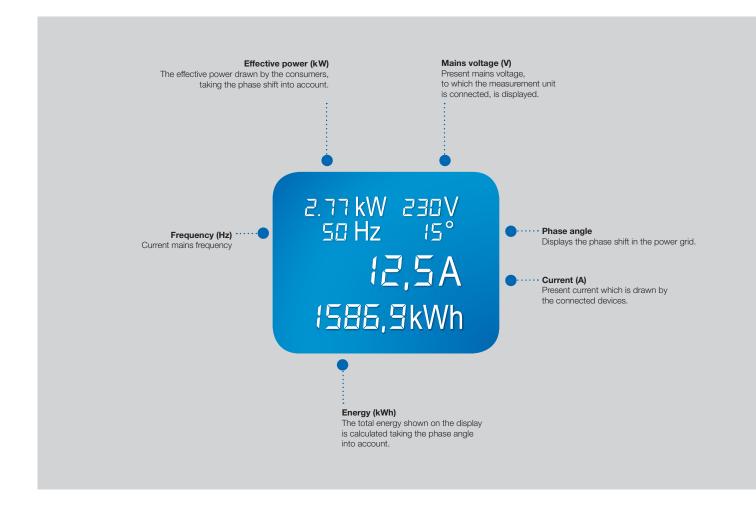




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Variants with replaceable type 3 surge protection available on request.

www.bachmann.com



### 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	Ϋ́	T13	Outlets in total	Dimen- sions (W×H×D)	
2.0 m H05VV-F 3G 1.5 mm² with right-angled plug with earthing contact									
800.2054			8				8	483 x 44 x 47 mm	
800.2055	12						12	483 x 44 x 47 mm	
800.2154		8					8	483 x 44 x 47 mm	
800.2067				8			8	483 x 44 x 47 mm	
2.0 m H05VV-	-F 3G 1.5 mm	<sup>2</sup> with UK plug	9						
800.2068					6		6	483 x 44 x 47 mm	
2.0 m H05VV-F 3G 1.5 mm <sup>2</sup> with T23 plug									
800.2063						7	7	483×44×47 mm	

## BN0500 with CEE plug | Incl. mounting brackets

#	C13	C19	CEE 7/3	Outlets in total	Dimen- sions (W×H×D)					
16 A/230 V   3.0 m	H05VV-F 3G 1.5 m	m²								
800.2395	16	4		20	746x44x47mm					
800.2396	16		4	20	746x44x47mm					
800.2135	24	4*		28	958×44×47 mm					
16 A/400 V   3.0 m	16 A/400 V   3.0 m H05VV-F 5G 2.5 mm <sup>2</sup>									
800.2398	18	3		21	978×44×47 mm					
800.2399	18		3	21	978x44x47mm					
800.2400	24	6		30	1360x44x47mm					
800.2401	24		6	30	1360 x 44 x 47 mm					
800.2402	24	6	6	36	1787 x 44 x 47 mm					
800.2403	36	6		42	1616x44x47 mm					
800.2404	36		6	42	1616x44x47 mm					
32 A/230 V   3.0 m	H05VV-F 3G 4 mm	2								
800.2405	16	4		20	916x44x47mm					
800.2406	16		4	20	916x44x47mm					
800.2407	24	4		28	1086x44x47mm					
32 A/400 V   3.0 m	H05VV-F 3G 4mm	2								
800.2408	24	6		30	1787 x 44 x 47 mm					
800.2409	24		6	30	1787 x 44 x 47 mm					
800.2410	36	6		42	2042 x 44 x 47 mm					





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 VCurrent 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
With surge pr	rotection										
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
With replacea	able surge pr	otection									
800.2949	CEE 7/7								5	5	grey
With surge pr	rotection   Ma	ains and	freque	ency filte	rs						
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
With mains a	nd frequency	filters									
333.406	CEE 7/7								7	7	grey
With fuse											
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 (230 V/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 (W×H×D)
333.413	12	12	565 x 44 x 47 mm
10"			
333.417	3	3	208 x 44 x 47 mm
333.0122	4	4	208 x 44 x 47 mm
With surge p	protection		
800.2334	12	12	608 x 44 x 47 mm



#### 19" IT PDU Basic Master + Slave (230 V/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
- $\cdot$  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)	OEE 7/3	Outlets Total
333.407	CEE 7/7	1	230	16	1+4	5



#### 19" fuse box (32 A/400 V/50 Hz) | Incl. mounting brackets

- $\cdot$  Cable type: 2.0 m H05VV-F 5G 4.0 mm<sup>2</sup>
- $\cdot$  Space-saving option of splitting a 32 A / 00 V infeed across two 16 A / 400 V infeeds
- $\cdot$  6 x 16 A miniature circuit breakers with characteristic C

#	Plug	Phase(s)	Rated voltage (V)	Current per phase (A)	Miniature circuit breaker	OEE	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 (W×H×D)
With surge p	protection				
800.2548	1	230	16	3G 2.5 mm <sup>2</sup>	217x44x47mm
800.2638	1	230	32	3G 4 mm <sup>2</sup>	238x44x47mm
800.2546	3	400	16	5G 2.5 mm <sup>2</sup>	343×44×47mm
800.2960	3	400	32	5G 4 mm <sup>2</sup>	384×44×47 mm
With replace	eable surge protec	tion and fault sign	alling contact   Cl	TEL SPD type 3	
800.2621	1	230	16	3G 2.5 mm <sup>2</sup>	261 x 44 x 47 mm
800.2622	1	230	32	3G 4 mm <sup>2</sup>	261 x 44 x 47 mm
800.2522	3	400	16	5G 2.5 mm <sup>2</sup>	303×44×47 mm
800.2623	3	400	32	5G 4 mm <sup>2</sup>	303×44×47 mm





# IT POWER DISTRIBUTION

## 19" IT PDU Basic Switzerland (230 V/50 Hz) | Incl. mounting brackets

· Phase(s): 1

#	Cable type H05W-F	Cable length (m)	Plug	Current per phase (A)	Switch	Thermal fuse (A)	T13	T23	Outlets in total
800.1259	3G 1.0 mm <sup>2</sup>	2.0	T12	10		10	8		8
800.1262	3G 1.5 mm <sup>2</sup>	3.0	T23	16				8	8
800.1263	3G 1.0 mm <sup>2</sup>	2.0	T12	10	•	10	7		7
800.1264	3G 1.5 mm <sup>2</sup>	3.0	T23	16	•			7	7
With surge p	protection								
800.1260	3G 1.0 mm <sup>2</sup>	2.0	T12	10		10	7		7
800.1258	3G 1.5 mm <sup>2</sup>	3.0	T23	16				7	7
With surge p	orotection   Mains	and frequ	ency filte	rs					
800.1261	3G 1.0 mm <sup>2</sup>	2.0	T12	16		10	5		5
800.1265	3G 1.5 mm²	3.0	T23	16				5	5



## 19" IT PDU Basic UK (230 V/50 Hz) | Incl. mounting brackets

· Phase(s):

i masc(s).	Ф. С. П	length (m)		per 7)			n total
#	Cable ty H05W-I	Cable ler	Plug	Current phase (A	Switch	J X	Outlets in
333.804	3G 1.5 mm²	2.0	UK	13		7	7
333.805	3G 1.5 mm <sup>2</sup>	2.0	UK	13	•	6	6



## 19" IT PDU Basic France (230 V/50 Hz) | Incl. mounting brackets

- $\cdot$  Cable type: 2.0 m H05VV-F 3G 1.50 mm<sup>2</sup>
- · Phase(s): 1
- · Current per phase: 16 A

#	Plug	Miniature circuit breaker	RCD 30mA	Switch	Д	Outlets in total
333.418	CEE 7/7				9	9
333.819	Connection terminal				8	8
333.419	CEE 7/7			•	8	8
With surge p	rotection					
333.4061	CEE 7/7				8	8
333.838	CEE 7/7			•	7	7
With surge p	rotection   Mair	ns and frequency	/ filters			
333.4063	CEE 7/7				6	6
333.840	CEE 7/7			•	5	5
With fuse						
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 96 A 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

Power	distribution	units	i inci. n	iouritirig	Drack	318					
#	Cable type H05W-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 (W×H×D) (mm)
16 A/230 V/5	50 Hz										
800.1657	3G 2.5 mm <sup>2</sup>	3	CEE	1		24	•	3*		27	1075×44×47
800.2335	3G 2.5 mm <sup>2</sup>	3	CEE	1		16			4	20	735×44×47
19"   16 A/4	00 V/50 Hz										
800.0111	5G 2.5 mm <sup>2</sup>	3	CEE	3				6*		6	483×44×47
16 A/400 V/5	50 Hz										
800.0104	5G 2.5 mm <sup>2</sup>	3	CEE	3		18		3*		21	821 x 44 x 47
800.0105	5G 2.5 mm <sup>2</sup>	3	CEE	3		18				18	821 x 44 x 47
800.0107	5G 2.5 mm <sup>2</sup>	3	CEE	3					15	15	821 x 44 x 47
800.0109	5G 2.5 mm <sup>2</sup>	3	CEE	3		12			6	18	821 x 44 x 47
800.1656	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		3*		27	1075×44×47
800.0113	2x 5G 2.5 mm <sup>2</sup>	2x3	2xWEF**	6		36			12	48	1840×44×47
800.0114	2x 5G 2.5 mm <sup>2</sup>	2x3	2xWEF**	6		48				48	1840×44×47
800.2337	5G 2.5 mm <sup>2</sup>	3	CEE	3		18			3	21	734×44×47
800.2282	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		6		30	1116×44×47
800.2339	5G 2.5 mm <sup>2</sup>	3	CEE	3		24			6	30	1203×44×47
800.2283	5G 2.5 mm <sup>2</sup>	3	CEE	3		24		6	6	36	1457×44×47
800.1453	5G 2.5 mm <sup>2</sup>	3	CEE	3		36		6	6	48	1713×44×47
800.2341	5G 2.5 mm <sup>2</sup>	3	CEE	3		36		6		42	1457×44×47
800.2342	5G 2.5 mm <sup>2</sup>	3	CEE	3		36			6	42	1458×44×47
00 4 (000 ) (1											
<b>32 A/230 V/</b> 800.0119	3G 4 mm <sup>2</sup>	3	CEE	1	2	20				20	778×44×47
800.2336	3G 4mm <sup>2</sup>	3	CEE	1	2	24		4		28	1119x44x47
		J	OLL	'	۷	24		4		20	1113744741
<b>32 A/400 V/</b> 800.0100	5G 4 mm <sup>2</sup>	3	CEE	3	6			12*		12	1075×44×47
800.0101	5G 4 mm <sup>2</sup>	3	CEE	3	6			6*		6	820×44×47
800.0101	5G 4 mm <sup>2</sup>	3	CEE	3	6	36		0		36	1586×44×47
800.2338	5G 4mm <sup>2</sup>	3	CEE	3	6	24		6		30	1586×44×47
800.2340	5G 4mm <sup>2</sup>	3	CEE	3	6	24		0	6	30	1586×44×47
000.2340	3G 411111F	3	CEE	3	0	24			0	30	1560.844.847
		_			_						
800.0113	0000 6.6	00000	0.66	000000	00	000000		00000	200	00000	00
000.0110											
800.0100		H	8886	121	888						
800.0100		NATURAL PROPERTY.		Constant of the Constant of th							
800.0107	Description of the	E. P. F.	000	000							
	000000	66666	0	6866							
800.0105											



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.

## 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 (230 V/50 Hz) | Incl. mounting brackets

- · Power input: 2.0 m, H05VV-F 3G 1.50 mm² | 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 (W×H×D)
333.001		8	8	440 x 52 x 44 mm
333.000	•	7	7	440 x 52 x 44 mm
With surge p	orotection			
333.004		7	7	440 x 52 x 44 mm
333.005	•	6	6	440 x 52 x 44 mm
With surge p	orotection   Mains and	I frequency filters		
333.002		5	5	440x52x44mm
331.0202	•	4	4	440 x 52 x 44 mm



## IT PDU Basic >1 U PVC

#### Power distribution units

- $\bullet$  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 (230 V/50 Hz) | Incl. mounting brackets

- · Power input: 2.0 m, H05VV-F 3G 1.50 mm² | Grey | With moulded right-angled plug with earthing contact and with dual earthing contact system
- · Phase(s): 1
- · Current per phase: 16A
- · Set at 35°

#	Switch	CEE 7/3	Outlets in total	Dimensions (W×H×D)
333.601		8	8	440x52x44mm
333.600	•	7	7	440×52×44 mm
With surge	protection			
333.604		7	7	440x52x44mm
333.605	•	6	6	440×52×44 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   2.00 m cable
329.3104	Combination temperature and air humidity sensor   2.00 m cable

#### BlueNet BN3000 - BN7500 sensors



## **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

### 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

### Spare module for replaceable surge protection

#	
800.2983	CITEL DSM 215-230/G, 2-pole
800.2969	CITEL DSM 415-230/G, 4-pole





800.2969

# IT POWER DISTRIBUTION

#### **Mounting kits for IT PDUs**

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

#	<b>=</b>
940.142	Mounting brackets left and right (1 U)
940.096	Mounting brackets left and right (>1 U)



# Mounting brackets for vertical/universal mounting profile variants

- $\cdot$  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)

# 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



802.0005

# **Mounting options**









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.

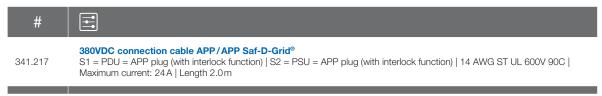
# 380 VDC PDU Basic

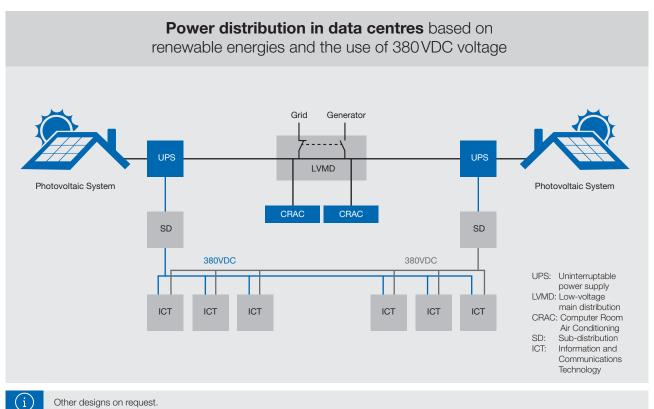
· Input max. 400 VDC/30 A

#	Outputs	Interlock	ABB miniature circuit breaker (Rated short- circuit capacity 10 kA)
APP Saf-D-Grid® outp	uts		
832.0001	18	•	3 x 10A
832.0002	24	•	4 x 8 A



#### **Accessories**





# 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" =

#### 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 head-phones 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).

The difference between two frequencies that form the limits of a specific, unbroken frequency range between them.

Function in video output devices of switching to a black still frame.

BNC 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  $75\Omega$ (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

# Button: stainless steel

For connecting by the user to control equipment and media

Illuminated blue, various types (e.g., changeover switch), Rocker buttons are used for up/down control of external devices, e.g. screen, blinds etc.

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 vellow = 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

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

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.

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  $\Omega$ . The most commonly used plug connector in satellite television systems worldwide

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.

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-connect-

#### 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

#### 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 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.

#### I AN - Local Area Network

Computer network that links various computers and peripheral devices via cables or wirelessly over a restricted physical area.

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).

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)

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: RJ126P6C/RJ458P8C

#### RJ12

See (Registered Jack) plug connectors

A device that forwards data packets though various networks. The router serves to calculate the connections between, for example, two local networks (LANs) and automatically establishes the optimum path for the data packets.

#### RS-232

Serial interface standard with 25-pole or 9-pole connector for serial data transmission. Also known as V.24. Both one-to-one pinouts and crossover configurations are commonly used.

#### S-VHS - Super Video Home System

An improved, downward-compatible VHS standard for home video-band recording that offers better picture resolution and greater colour accuracy. Horizontal image resolution is some 2/3 better than in VHS. S-VHS is a standard, not a connector. The S-VHS standard signal may however be transmitted via the S-video (Hosiden) connector.

#### S-video/Super Video system

S-video, also known as the Y/C process, designates a special analogue video signal process in which the "luminance" (brightness) information is transmitted and processed separately from the "chrominance" (colour information). An example application of S-video is in VHS video recorders.

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 20 A contact current capacity and secure interlocking. Speakon connectors are available in two-pole, four-pole and eight-pole versions; the 2-pole and 4-pole types are mutually compatible. The eight-pole version has a larger 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.

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

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

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.)

#### XI R

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

# 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

Orientation: set at 35°

Output: 16 A/250 V max. 3680 W Standard: NF C 61-314/CEE 7/5 Colour: black, red, white, grey

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: 15A/125V 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: 13 A/250 V max. 3200 W

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/250 V 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: 10 A/250 V max. 2500 W

Standard: AS/NZS 3112 Colour: black Orientation: set at 90° Module width: 44.8mm



#### M-CN | China/type I

Output: 10 A/250 V max. 2500 W

Standard: CPCS-CCC Colour: black Orientation: set at 90° Module width: 42.5 mm



# M-DK | Denmark/type K

Output: 10 A/250 V max. 2500 W

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: 10 A/250 V max. 2500 W

Standard: DK 2-5a (DK IT)

Colour: black Orientation: set at 35° Module width: 42.5 mm

With shutter



#### M-IEC C13

**Output:** 10 A/250 V max. 2500 W **Standard:** IEC 60320

Colour: black
Orientation: set at 90°

Module width: 42.5 mm



#### M-IEC C19

Output: 16 A/250 V max. 3680 W

•••••

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 0.75 mm<sup>2</sup> H05VV-F 3G 1.00 mm<sup>2</sup>

H05VV-F 3G 1.50 mm<sup>2</sup> H07BQ-F 3G 1.50 mm<sup>2</sup> H05BQ-F 3G 0.75 mm<sup>2</sup>



#### Central plug with earthing contact | CEE 7/7 (type E/F)

BACHMANN type: type 31 With dual earthing contact system

BACHMANN type: type 32 With dual earthing contact system Splash-proof

Suitable for (e.g.):

Suitable for (e.g.):

H05VV-F 3G 1.50 mm<sup>2</sup> H05RR-F 3G 0.75 mm<sup>2</sup>

H05RR-F 3G 1.50 mm<sup>2</sup>

H07RN-F 3G 1.00 mm<sup>2</sup>

H03VV-F 3G 0.75 mm<sup>2</sup> H05VV-F 3G 1.00 mm<sup>2</sup> H05VV-F 3G 1.50 mm<sup>2</sup> 05RV4-F 3G 0.75 mm<sup>2</sup> H03V4V4-H 3G 1.00 mm<sup>2</sup> H03RT-H 3G 0 75 mm<sup>2</sup>

H07RN-F 3G 1.50 mm<sup>2</sup> H07BQ-F 3G 1.50 mm<sup>2</sup> H07RN-F 3G 2.50 mm<sup>2</sup>









#### 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> H05VV-F 3G 1.50 mm<sup>2</sup> H05VV-F 3G 2.50 mm<sup>2</sup>

H07RN-F 3G 1.00 mm<sup>2</sup> H07RN-F 3G 1.50 mm<sup>2</sup>



#### Swiss plug | SEV 1011 T11 (type J)

BACHMANN type: type 11, 10A 2-pole

Suitable for (e.g.): H03VVH2-F 2x 0.75 }mm2 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, 10 A/16 A 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.):** H03VV-F 2x 0.75 mm<sup>2</sup> H05VV-F 2x 0.75 mm<sup>2</sup>

H05VV-F 2x 1.00 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> H05VVH2-2x 0.75 mm<sup>2</sup> H03VV-F 2x 0.75 mm<sup>2</sup> H05VV-F 2 x 0.75 mm<sup>2</sup> H05VV-F 2 x 1.00 mm<sup>2</sup>



**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 0.75 mm<sup>2</sup> H05VV-F 3G 1.00 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

**BACHMANN type:** Type 24 S

Splash-proof

Shock-resistant

**Suitable for (e.g.):** H05VV-F 2x 0.75 mm<sup>2</sup> H05VV-F 2x 1.00 mm<sup>2</sup>

HU5VV-F 2X 1.00 IIII

**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

**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

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

On right, on left 70°C

Suitable for (e.g.): H05VV-F 2x 0.75 mm<sup>2</sup> H05VV-F 2x 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 2x 0.75 mm<sup>2</sup> H05VV-F 2x 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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928.008 147 928.009 147 928.010 147 928.017 147 928.020 147 928.021 147 928.024 147 928.026 147 928.035 147 928.039 147 928.063 147 928.900 155 928.900 155 928.900 133 929.000 133 929.001 133 929.010 133 929.010 133 929.011 133 929.012 133 929.030 133 929.031 133	928.006	147
928.009       147         928.010       147         928.017       147         928.020       147         928.021       147         928.024       147         928.035       147         928.039       147         928.900       148         928.900       155         928.902       149         929.000       133         929.001       133         929.002       133         929.001       133         929.010       133         929.030       133         929.032       133         929.034       133	928.007	147
928.010     147       928.017     147       928.020     147       928.021     147       928.024     147       928.035     147       928.039     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.030     133       929.032     133       929.034     133	928.008	147
928.017     147       928.020     147       928.021     147       928.024     147       928.026     147       928.035     147       928.063     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.009	147
928.020     147       928.021     147       928.024     147       928.026     147       928.035     147       928.039     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.010	147
928.021     147       928.024     147       928.026     147       928.035     147       928.039     147       928.063     147       928.900     148       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.017	147
928.024     147       928.026     147       928.035     147       928.039     147       928.063     147       928.900     148       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.020	147
928.026     147       928.035     147       928.039     147       928.063     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.021	147
928.035     147       928.039     147       928.063     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.024	147
928.039     147       928.063     147       928.900     148       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.026	147
928.063     147       928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.035	147
928.900     148       928.900     155       928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.039	147
928.900 155 928.902 149 929.000 133 929.002 133 929.004 133 929.010 133 929.012 133 929.030 133 929.032 133 929.034 133	928.063	147
928.902     149       929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.900	148
929.000     133       929.002     133       929.004     133       929.010     133       929.012     133       929.030     133       929.032     133       929.034     133	928.900	155
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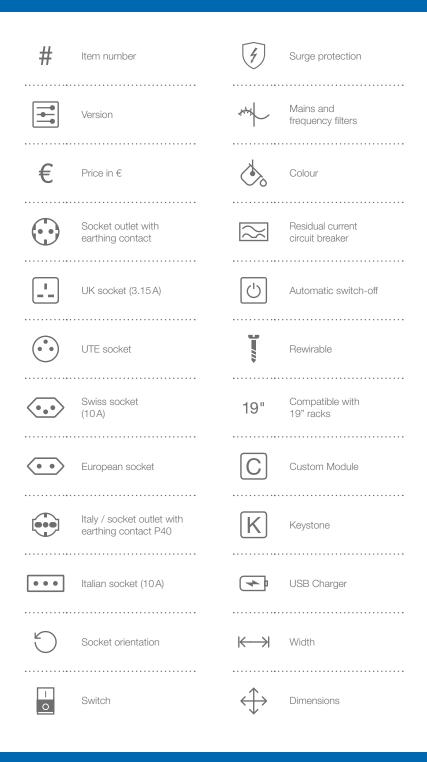
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# **Notes**

# **Notes**

# Pictograms and their meaning



# **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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