ENGLISH / 2016/2017

IT POWER SOLUTIONS

FACILITY SOLUTIONS

INSTALLATION

KITCHEN SOLUTIONS

INNOVATIONS 2016

Added value thanks to innovative components and systems

It’s electric.

BACH MANN

BACHMANN International.
Build on the best connections.

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

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

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

Quality at all levels

Do not be satisfied until you have the optimum solution. A philosophy that applies at every level of our company and that is consistently demonstrated by all our employees.
The result: products to match the best on the world's markets, outside and inside. This is also evident from our certification to DIN EN ISO 9001:2008

ZERTIFIKAT

ZERTIFIKAT

CONTENTS

IT POWER SOLUTIONS

Distribution systems offering efficient energy management for modern IT solutions.
Everything from power for control cabinets to high-quality built-in electronic components.

FACILITY SOLUTIONS

Elegant, practical solutions for energy and data connections in office, training and conference rooms. Flexible, modular systems for all supply and communications needs.

INSTALLATION

Our extensive range of electrical and electronics products. Everything the technician requires, and always the state of the art – trusted components, high-quality products.

KITCHEN SOLUTIONS

The best connectors and connections in the kitchen.
Our systems are configurable with numerous standard international socket outlets and, if necessary, with data connections too.

IT PDU Basic 1 U

Power distribution units, 230 V/50 Hz

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

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

The benefits at a glance

- Torsionally rigid 1 U aluminium profile, 19" format
- Up to 9 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 rewireable
- Earthing contact and IEC 320 socket outlets
- Various country versions
- Illuminated 2-pole switch
- Interlocking of IEC 320 plugs

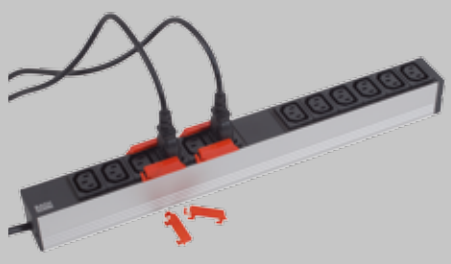
Article number	Cable type H05VV-F	Cable length (m)	Plug	Phases	Rated voltage (V)	Current per phase in A	Fuse	C13	C19	SOEC*	Outlets in total	Dimensions (WxHxD) in mm	
19" IT PDU Basic (16 A/230 V/50 Hz)													
800.2284	3G 1.5	2	C14	1	230	16		12			12	482.6 x 44 x 47	V
333.815	3G 1.5	2	C20	1	230	16			8		8	482.6 x 44 x 47	
800.2332	3G 1.5	2	C20	1	230	16		8	3		11	482.6 x 44 x 47	V
800.2333	3G 1.5	2	C20	1	230	16			3	6	9	482.6 x 44 x 47	
19" IT PDU Basic (16 A/230 V/50 Hz)													
800.616	3G 1.5	2	ECP	1	230	16		12			12	482.6 x 44 x 47	V
800.2331	3G 1.5	2	ECP	1	230	16	10 A	12				482.6 x 44 x 47	V
IT PDU Basic (16 A/230 V/50 Hz) with overvoltage protection, type 3													
800.2334	3G 1.5	2	ECP	1	230	16				12		522.4 x 44 x 44	

V

IEC 320 C13 lockable

(12 x locking clips included)

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



*SOEC = Socket outlet with earthing contact

IT PDU Basic 1 U Vertical

Power distribution units 230-400 V/16-32 A/3.6-22 kW/50 Hz

For future-proofed, highly efficient energy distribution in the data centre, server rack and network rack.

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.

IEC 320 C19 with IEC Lock

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

IEC 320 C13 lockable

Two locking clips to secure two power cables.
IEC 320 C13 with IEC Lock can be supplied.

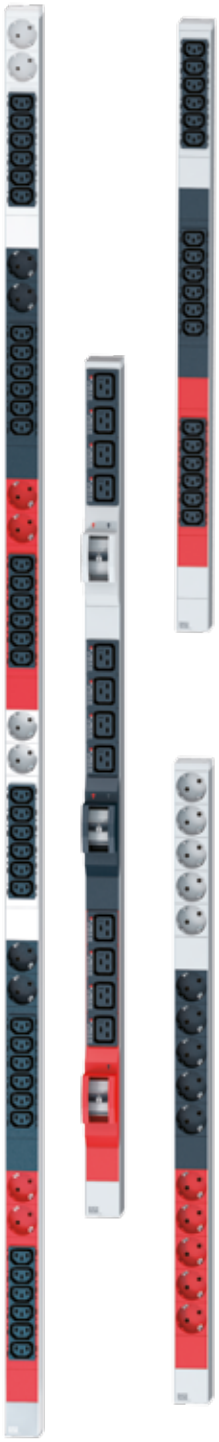
The benefits at a glance

- Space-saving integration of PDU in the server rack with scope for modular add-ons
- High-quality and very robust aluminium profile
- Extremely compact dimensions of 44 x 47 mm, which therefore provides plenty of space for data cabling and ventilation for cooling the server rack
- Plugs locked using PVC clip or IEC Lock
- Phases identified by colour
- PDU with single or double infeed to increase performance or map redundancies, up to 96 A per PDU
- Customised and country-specific series-quality solutions available on request

IT PDU Basic 1 U Vertical

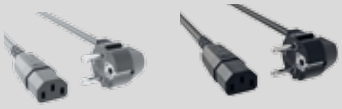
Power distribution units 230 - 400 V/50 Hz

	Article number	Cable type H05VV-F-	Cable length (m)	Plug	Phases	Rated voltage (V)	Current per phase in A	Miniature circuit breaker C16A	C13	C19	SOEC*	Outlets in total	Dimensions (WxHxD) in mm
19" IT PDU Basic 3 x (16 A/400 V/50 Hz)													
V	800.0111*	5G 2.5 mm²	3	CEE	3	400	16			6		6	482.6 x 44 x 47
IT PDU Basic (16 A/230 V/50 Hz)													
V	800.1657*	3G 2.5 mm²	3	CEE	1	230	16		24	3		27	1075 x 44 x 47
V	800.2335	3G 2.5 mm²	3	CEE	1	230	16		16		4	20	735 x 44 x 47
IT PDU Basic (32 A/230 V/50 Hz)													
V	800.0119	3G 4.0 mm²	3	CEE	1	230	32	2	20			20	778 x 44 x 47
V	800.2336	3G 4.0 mm²	3	CEE	1	230	32	2	20	4		24	1119 x 44 x 47
IT PDU Basic 3 x (16 A/400 V/50 Hz)													
V	800.0104*	5G 2.5 mm²	3	CEE	3	400	16		18	3		21	821 x 44 x 47
V	800.0105	5G 2.5 mm²	3	CEE	3	400	16		18			18	821 x 44 x 47
	800.0107	5G 2.5 mm²	3	CEE	3	400	16				15	15	821 x 44 x 47
V	800.0109	5G 2.5 mm²	3	CEE	3	400	16		12		6	18	821 x 44 x 47
V	800.1656*	5G 2.5 mm²	3	CEE	3	400	16		24	3		27	1075 x 44 x 47
V	800.0113	2 x 5G 2.5 mm²	2 x 3	2 x ES*	6	400	16		36		12	48	1840 x 44 x 47
V	800.0114	2 x 5G 2.5 mm²	2 x 3	2 x ES*	6	400	16		48			48	1840 x 44 x 47
V	800.2337	5G 2.5 mm²	3	CEE	3	400	16		18		3	21	734 x 44 x 47
V	800.2282	5G 2.5 mm²	3	CEE	3	400	16		24	6		30	1116 x 44 x 47
V	800.2339	5G 2.5 mm²	3	CEE	3	400	16		24		6	30	1203 x 44 x 47
V	800.2283	5G 2.5 mm²	3	CEE	3	400	16		24	6	6	36	1457 x 44 x 47
V	800.1453	5G 2.5 mm²	3	CEE	3	400	16		36	6	6	48	1713 x 44 x 47
V	800.2341	5G 2.5 mm²	3	CEE	3	400	16		36	6		42	1457 x 44 x 47
V	800.2342	5G 2.5 mm²	3	CEE	3	400	16		36		6	42	1458 x 44 x 47
IT PDU Basic 3 x (32 A/400 V/50 Hz)													
V	800.0100*	5G 4 mm²	3	CEE	3	400	32	6		12		12	1075 x 44 x 47
V	800.0101*	5G 4 mm²	3	CEE	3	400	32	6		6		6	820 x 44 x 47
V	800.0102	5G 4 mm²	3	CEE	3	400	32	6	36			36	1586 x 44 x 47
V	800.2338	5G 4.0 mm²	3	CEE	3	400	32	6	24	6		30	1586 x 44 x 47
V	800.2340	5G 4.0 mm²	3	CEE	3	400	32	6	24		6	30	1586 x 44 x 47



Locking clips

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



IEC 320 and earthing contact plug connecting cables available in grey/black to distinguish from power supply (A/B) and in short cable lengths from 0.5 m.

V Lockable socket outlets

*C19 with IEC Lock

*ES = End sleeves

*SOEC = Socket outlet with earthing contact

BlueNet

The intelligent, modular energy management system

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

Energy management

Monitor energy costs with BlueNet. All data, such as current, voltage, power, are depicted by the software and display. Loads can then be distributed so that failures due to circuit overloads no longer occur.
Messages can be triggered automatically by means of adjustable threshold values.
Restarts controlled by web link further increase availability and flexibility.

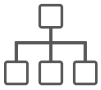
The BlueNet technology can be easily integrated into superordinate infrastructure software solutions using extensive, integrated interfaces.

Safety

Every BACHMANN PDU is tested and documented during production one port at a time using a computer-based test program. Electronic components are continually subjected to "stress tests" to guarantee consistent quality.
BlueNet is only integrated in compact, very robust, yet weight-optimised aluminium housings. Most of the requirements in relevant standards and guidelines are exceeded.

Energy efficiency

BACHMANN BlueNet PDUs save energy. The technology used has some of the lowest operating consumption levels for intelligent measurement systems in the world.
The modular structure of the BlueNet PDUs guarantees maximum packing density. The tiny amount of space needed by the PDUs leaves room for cabling and air conditioning in the rack. The BlueNet series is one of the most compact power metering solutions with integrated network and sensor interface anywhere in the world.

	Measurement per phase	Measurement per port	Switching	 Ethernet	Modbus RTU/TCP	Sensors	RCM	Wi-Fi	Power Line Communication
BN7500	•	•	•	•	•	•	(•)		
BN7000	•		•	•	•	•	(•)		
BN5000			•	•	•	•			
BN3500	•	•		•	•	•	(•)		
BN3000	•			•	•	•	(•)		
BN2500	•	•		•		•			•
BN2000	•			•		•			•
BN1500	•		•	•		•		•	
BN1000	•			•		•		•	

(•) The indicated feature is optionally available

Overview of BlueNet features

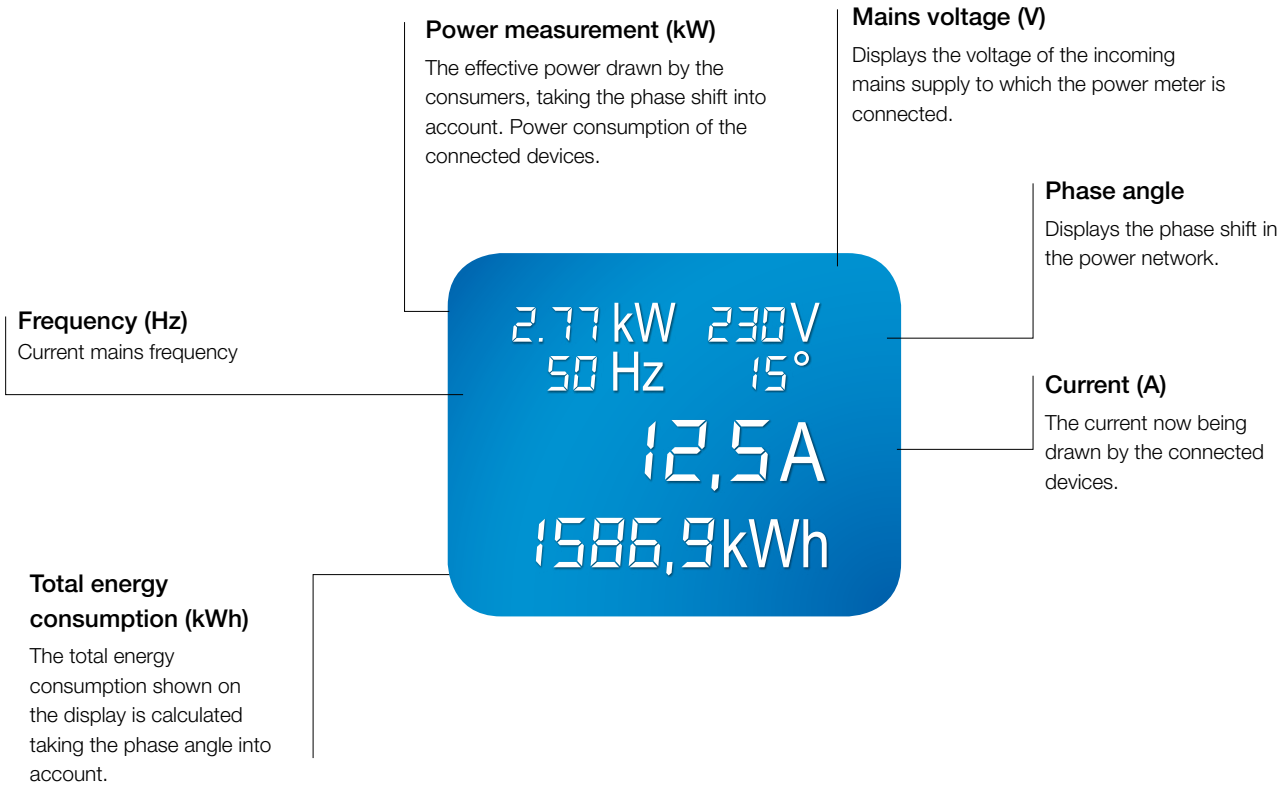
	BN0500	BN1000	BN1500	BN2000 PLC	BN2000 Inline PLC	BN3000	BN3500	BN5000	BN7000	BN7500
Measurement										
Current	•	•	•	•	•	•	•		•	•
Voltage	•	•	•	•	•	•	•		•	•
Phase angle	•	•	•	•	•					
Frequency	•	•	•	•	•	•	•		•	•
Effective power	•	•	•	•	•	•	•		•	•
Reactive power		•	•	•	•	•	•		•	•
Apparent power		•	•	•	•	•	•		•	•
Energy meter	•	•	•	•	•	•	•		•	•
Power factor		•	•	•	•	•	•		•	•
Neutral conductor monitoring				•	•	•	•		•	•
Measurement per phase	•	•	•	•	•	•	•		•	•
Measurement per socket outlet							•			•
Optional residual current measurement (type B)						•	•		•	•
Measurement accuracy	2%	2%	2%	1%	1%	1%	1%		1%	1%
Display										
Type	LCD	7S*	7S*	TFT	TFT	OLED	OLED	OLED	OLED	OLED
Display can be rotated using software				•	•	•	•	•	•	•
Sensors										
Connections for external sensors /		1	1	2	2	2	2	2	2	2
Switching										
Socket outlets can be switched			•					•	•	•
Switching with bistable relays								•	•	•
Timer function			•							
Threshold value switching function			•							

*7S = 7-segment display

	BN0500	BN1000	BN1500	BN2000 PLC	BN2000 Inline PLC	BN3000	BN3500	BN5000	BN7000	BN7500
Communication										
Ethernet (10/100 Mbit/s)		•	•	•	•	•	•	•	•	•
IPv4		•	•	•		•	•	•	•	•
IPv6						•	•	•	•	•
Wi-Fi 802.11 b/g/n		•	•							
Powerline Communication				•	•					
Modbus TCP						•	•	•	•	•
Master/Slave (Modbus RTU)						•	•	•	•	•
HTTP		•	•	•	•	•	•	•	•	•
HTTPS		•	•			•	•	•	•	•
SSH						•	•	•	•	•
DHCP		•	•	•	•	•	•	•	•	•
SMTP		•	•			•	•	•	•	•
SNMPv2		•	•	•	•	•	•	•	•	•
SNMPv3						•	•	•	•	•
SNMP Trap		•	•			•	•	•	•	•
Syslog				•	•	•	•	•	•	•
NTP		•	•	•	•	•	•	•	•	•
Operation										
Web browser		•	•	•	•	•	•	•	•	•
Smartphone app		•	•							
Local	•			•	•	•	•	•	•	•

BlueNet BN0500

Current and power metering via local display



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

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

Phase angle
Displays the phase shift in the power network.

Frequency (Hz)
Current mains frequency

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

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

The benefits at a glance

- Current measurement
- Voltage measurement
- Phase angle measurement
- Effective power measurement taking phase angle into account
- Frequency measurement
- BlueNet display

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%
- End caps riveted and do not open
- Includes mounting brackets and screws
- Plastic black, aluminium profile silver

16 A/230 V (2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug)

Article no.	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
800.2054	0		8	8	482.6 x 44 x 44
800.2055	12			12	482.6 x 44 x 44

16 A/230 V (3.0 m H05VV-F 3G 1.5 mm², black, with CEE plug)

800.2395	16	4		20	746.0 x 44 x 44
800.2396	16		4	20	746.0 x 44 x 44
800.2397	24	4		28	958.0 x 44 x 44

800.2395

16 A/400 V (3.0 m H05VV-F 5G 2.5 mm², black, with CEE plug)

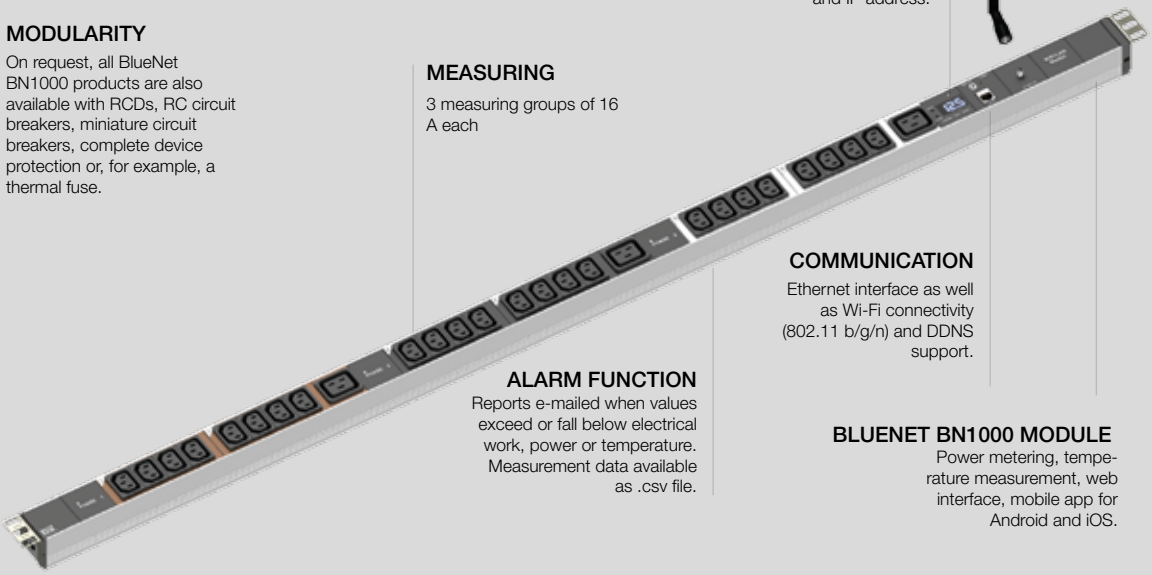
800.2398	18	3		21	978.0 x 44 x 44
800.2399	18		3	21	978.0 x 44 x 44
800.2400	24	6		30	1360.5 x 44 x 44
800.2401	24		6	30	1360.5 x 44 x 44
800.2402	24	6	6	36	1786.1 x 44 x 44
800.2403	36	6		42	1615.5 x 44 x 44
800.2404	36		6	42	1615.5 x 44 x 44

32 A/230 V (3.0 m H05VV-F 3G 4 mm², black, with CEE plug)

800.2405	16	4		20	915.3 x 44 x 44
800.2406	16		4	20	915.3 x 44 x 44
800.2407	24	4		28	1085.3 x 44 x 44

32 A/400 V (3.0 m H05VV-F 5G 4 mm², black, with CEE plug)

800.2408	24	6		30	1786.1 x 44 x 44
800.2409	24		6	30	1786.1 x 44 x 44
800.2410	36	6		42	2041.1 x 44 x 44



BlueNet
Efficient Power Management

BlueNet BN1000

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

The BlueNet BN1000 technology offers comprehensive power metering to monitor your IT infrastructure. Additional temperature measurement using an external temperature sensor allows the ambient temperature to be determined. Measured values are provided via the web interface and via SNMPv2c. The integrated seven-segment display is used to display measured values and the IP address on the PDU. The BlueNet Wi-Fi app is available for conveniently displaying collected data on mobile devices. An e-mail alarm feature for individually configurable load, amperage and temperature threshold values offers additional administrative safety. Along with an Ethernet port, BN1000 products are also equipped with an RP-SMA antenna connection. You simply choose your preferred connection type, whether Ethernet or Wi-Fi.

The benefits at a glance

- Three measuring groups of 16 A each
- Measurement of ambient temperature and electrical values
- Load management and cost control
- Management via web interface, SNMPv2c and smartphone app
- Lean user management
- Wi-Fi and Ethernet connectivity (parallel operation possible)
- SSL-encrypted e-mail alarm feature
- Integrated seven-segment display

BlueNet BN1000 PDU

Includes mounting bracket, temperature sensor, network cable and external Wi-Fi antenna

Article number	C13	C19	Socket outlet with earthing contact	UTE	T23	Outlets in total
16 A/230 V (2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug)						
820.034			4			4
820.036				4		4
16 A/230 V (2.0 m H05VV-F 3G 1.5 mm², black, with right-angled T23 plug)						
820.038					4	4
16 A/230 V (2.0 m H05VV-F 3G 2.5 mm², black, with CEE plug)						
820.100	16	4				20
820.101	16		4			20
16 A/400 V (2.0 m H05VV-F 5G 2.5 mm², black, with CEE plug)						
820.102	18	3				21
820.103	18		3			21
820.104	24	6				30
820.105	24		6			30
820.106	24	6	6			36
820.107	36	6				42
820.108	36		6			42

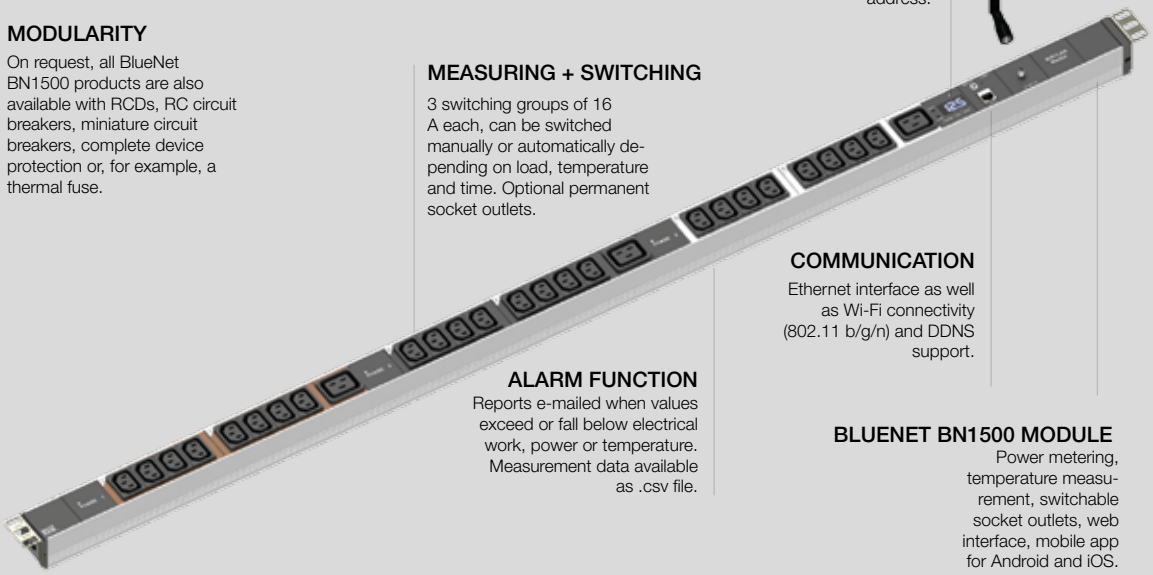
Measurement per group

Measurement per port

Switching

RCM

Sensors



WI-FI ANTENNA
The BlueNet BN1500 module is available with an internal or external antenna.

DISPLAY
Integrated seven-segment display for the display of measured values and IP address.

MODULARITY
On request, all BlueNet BN1500 products are also available with RCDs, RC circuit breakers, miniature circuit breakers, complete device protection or, for example, a thermal fuse.

MEASURING + SWITCHING
3 switching groups of 16 A each, can be switched manually or automatically depending on load, temperature and time. Optional permanent socket outlets.

COMMUNICATION
Ethernet interface as well as Wi-Fi connectivity (802.11 b/g/n) and DDNS support.

ALARM FUNCTION
Reports e-mailed when values exceed or fall below electrical work, power or temperature. Measurement data available as .csv file.

BLUENET BN1500 MODULE
Power metering, temperature measurement, switchable socket outlets, web interface, mobile app for Android and iOS.

BlueNet BN1500

BlueNet
Efficient Power Management

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

The BlueNet BN1500 combines the range of functions of BN1000 technology with the option of connecting or switching off the three groups in one compact overall concept. Switching can be performed both manually and automatically using load, amperage, temperature or time thresholds which can be set individually. In this case, the maximum switching power is a full 16 A per switching group – optionally also with 3 phases in 400 V operation. The integrated seven-segment display is used to display measured values and the IP address.

The benefits at a glance

- Three measuring and switching groups of 16 A each
- Measurement of ambient temperature and electrical values.
- Load management and cost control
- Management via web interface, SNMPv2c and smartphone app
- Lean user management
- Wi-Fi and Ethernet connectivity (parallel operation possible)
- SSL-encrypted e-mail alarm feature
- Integrated seven-segment display

BlueNet BN1500 PDU

Includes mounting bracket, temperature sensor, network cable and external Wi-Fi antenna

Measurement per group

Measurement per port

Switching

RCM

Sensors

Article number	C13	C19	Socket outlet with earthing contact	UTE	T23	Outlets in total
16 A/230 V (2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug)						
820.028			4			4
820.030				4		4
16 A/230 V (2.0 m H05VV-F 3G 1.5 mm², black, with right-angled T23 plug)						
820.032					4	4
16 A/230 V (2.0 m H05VV-F 3G 2.5 mm², black, with CEE plug)						
820.109	16	4				20
820.110	16		4			20
16 A/400 V (2.0 m H05VV-F 5G 2.5 mm², black, with CEE plug)						
820.111	18	3				21
820.112	18		3			21
820.113	24	6				30
820.114	24		6			30
820.115	24	6	6			36
820.116	36	6				42
820.117	36		6			42

BlueNet BN2000 PLC
(Powerline Communication)

BlueNet
Efficient Power Management

BlueNet PLC (Powerline Communication) allows the energy requirements to be monitored via the existing mains supply without any additional network infrastructure. The BlueNet PLC Concentrator is at the heart of this innovative power monitoring concept. It aggregates the data from all BN2000 PLC PDUs through the mains supply, logs it and makes it available via its Ethernet interface via HTTP, SNMP, CSV and more.

The power data is recorded using compact BN2000 PLC PDUs. Alongside the integrated, high-precision power measuring unit, they also feature two connections for temperature and air humidity sensors. The measured values can also be read out locally on the rotating, two-inch colour TFT display. The additionally integrated Ethernet interface allows access to the data in parallel to the PLC technology. This is appropriate for operation in colocation data centres, to name one example. With this system, both the operator (via PLC) and the customer (via Ethernet) can keep a constant eye on energy requirements.

Save costs with a lean infrastructure

Reducing running costs in data centres is one of the most challenging tasks faced by data centre operators. BlueNet BN2000 PLC can make a considerable contribution to those efforts. The cost of installing, providing and maintaining an IP port in a data centre can very easily add up to €100 per year. By saving on additional IP ports for intelligent PDUs, the costs for energy monitoring can be substantially reduced.

CALCULATION EXAMPLE

Intelligent PDUs with Ethernet/IP port

Example showing the cost per IP port in the data centre = **€100**
PDUs with Ethernet connection = **200 units**

Running costs p.a. = €20,000

With Ethernet-based energy monitoring, this equates to running costs of €20,000 per year to provide the IP ports for the intelligent PDUs.

Intelligent PDUs with PLC

Example showing the cost per IP port in the data centre = **€100**
PDUs with Ethernet connection = **0 units**
PLC Concentrator with IP port: **1 unit**

Running costs p.a. = €100

If BlueNet PLC technology is used, all 200 IP ports for the PDUs are omitted, leaving just one remaining for the PLC Concentrator. This equates to running costs of €100 per year and a saving of €19,900 in the first year alone.

The BlueNet PLC system

BlueNet PLC Concentrator

- Pre-installed energy monitoring software
  Management and monitoring of all PLC PDUs without additional cabling
- Monitoring of up to 250 PDUs*
  Plug-and-play solution, no additional software or server hardware required
- Industry-standard Powerline Communication (PLC)
- OLED display
- Low power requirement (3 watts)
- No fan
- Internal flash memory and card slot for SD cards
  Two infeeds, each with 3 phases or 1 phase, for monitoring the A and B supply

BlueNet BN2000 PLC PDUs

- Precise measurement of current, voltage, power etc.
- Integrated kWh and kVAr recording and saving
- Low power requirement (1 watt)
- Rotating, two-inch colour TFT display
- Industry-standard Powerline Communication (PLC)
- Ethernet interface (HTTP, SNMP, NTP, Syslog etc.)
- Connections for two external sensors (temperature and temperature + air humidity)
- Operating temperature up to 60 °C
- A range of configuration versions
- 16-32 A/230-400 V

BlueNet Powerline Concentrator

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

Article no.	Version
BlueNet Concentrator with Powerline communications module	
19" housing	
329.3117	· 2 x 3 phase/400 V

BlueNet BN2000 accessories

Article no.	Description
BlueNet BN2000 accessories	
· 2.0 m cable	
329.3104	· Combined temperature and air humidity sensor

BN2000 PLC PDU

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

Measurement per phase

Measurement per port

Switching

RCM

Sensors

Article number	Phases	Voltage (V)	Current (A)	Power (kVA)	Dimensions (mm)
329.3060	1	230	16	3.7	232 x 104 x 102
329.3061	3	400	16	11.0	232 x 104 x 102
329.3062	1	230	32	7.4	232 x 104 x 102
329.3063	3	400	32	22.1	232 x 104 x 102

329.3060

329.3061

* Can be extended to 1,000 PDUs per software license

BN2000 PLC PDU

3.0 m H05VV-F supply cable with CEE plug/including mounting set

329.3155

Measurement per phase

Measurement per port

Switching

RCM

Sensors

16 A/230 V

Article number	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
329.3143	16	4		20	862.8 x 44 x 44
329.3144	16		4	20	862.8 x 44 x 44
329.3145	24	4		28	1032.8 x 44 x 44

16 A/400 V

329.3146	18	3		21	1075.9 x 44 x 44
329.3147	18		3	21	990.5 x 44 x 44
329.3148	24	6		30	1373.6 x 44 x 44
329.3149	24		6	30	1373.6 x 44 x 44
329.3150	24	6	6	36	1659.2 x 44 x 44
329.3111	36			36	1458 x 44 x 44
329.3151	36	6		42	1628.6 x 44 x 44
329.3152	36		6	42	1628.6 x 44 x 44

32 A/230 V

329.3153	16	4		20	1075.7 x 44 x44
329.3154	16		4	20	1075.7 x 44 x44
329.3155	24	4	0	28	1245.7 x 44 x 44

32 A/400 V

329.3156	24	6		30	1798.6 x 44 x 44
329.3157	24		6	30	1828.6 x 44 x 44
329.3158	36	6		42	2053.6 x 44 x 44

A passion for innovation

Little characterises our industrial progress more than information technology. High-performance data centres form the core of any business.

The power network plays a significant role in ensuring high-availability and resource-conserving operations. Those wishing to meet the highest data centre standards must pay equal attention to structuring, management and monitoring.
At BACHMANN, this approach is deeply rooted in the company philosophy.

We support your business with intelligent solutions for modern energy management and we do everything to ensure that you will continue to use the latest and most advanced technologies in future. To do this, we develop standardised and customised products and systems. Professional engineering and modern process management combine to meet this goal. Judge us by our results.

The new BlueNet generation

An excellent example is the new generation of our BlueNet products. Whether you're using Power Distribution Units (PDUs) that can be cascaded via Modbus, integrated AC/DC-sensitive residual current monitoring,
command line tools or a rotating OLED display – these BlueNet features are pure high-tech.

And there's more: Our features represent safety and efficiency; and can be integrated with DCIM systems. From a single workstation, you can monitor and control your data centre's complex power network locally or remotely.

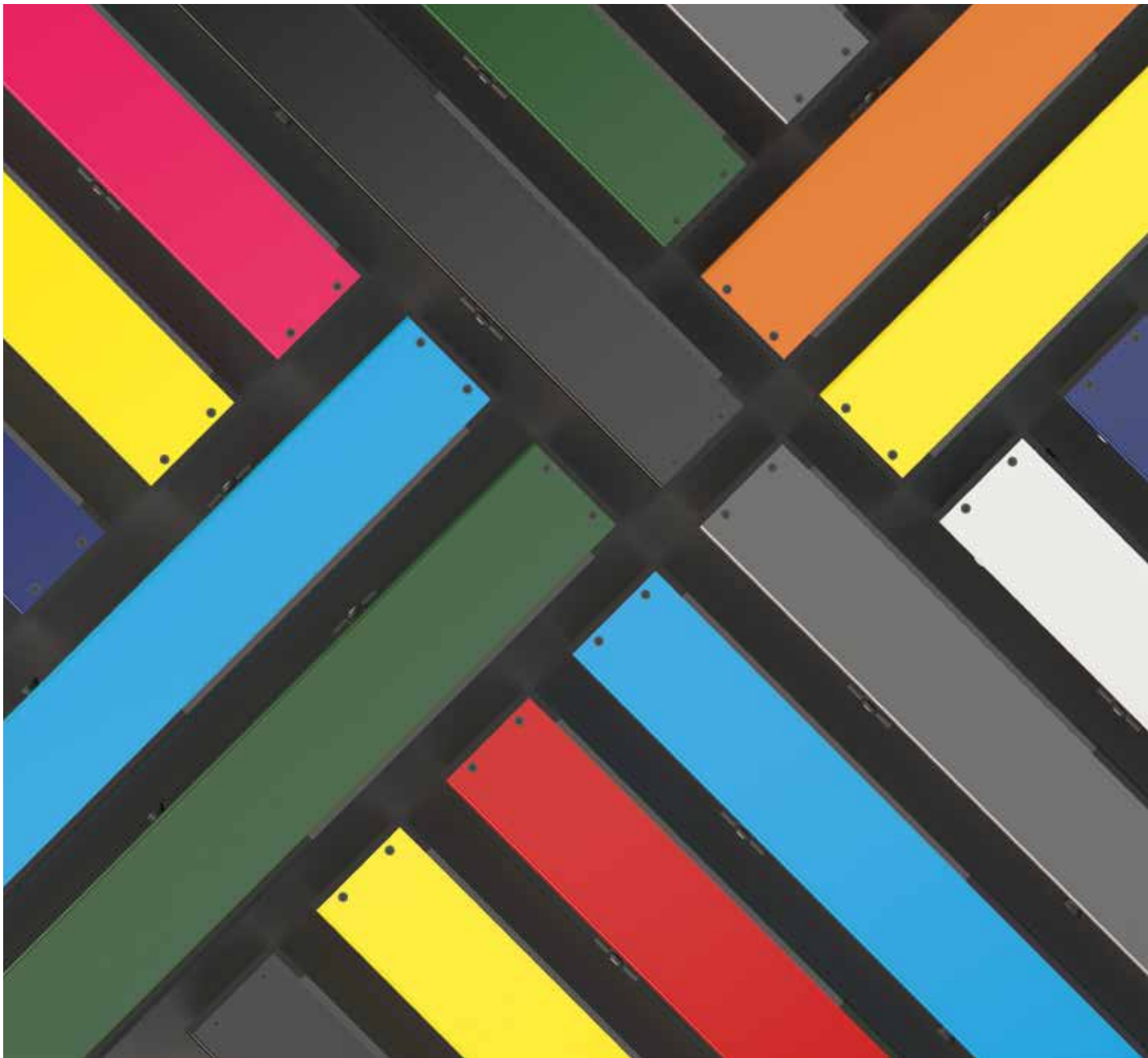
Join BACHMANN on this journey to a future of low resource consumption, minimum downtime and reduced operating costs.

Rapid identification

For PDUs in the data centre to be distinguished between faster and with greater ease, the new BlueNet PDUs are available in ten different colours. Users can quickly distinguish between A and B supply, 16 and 32 A or single- and three-phase systems. Different areas in the data centre can also be equipped with different-coloured PDUs.

The following colours are available:

BLACK	SILVER	WHITE	RED	GREEN
BLUE	ORANGE	MAGENTA	YELLOW	LIGHT BLUE



Continuous monitoring

BENDER
TECHNOLOGY
INCLUDED

The safety, maximum availability and economic viability of data centres and servers are absolutely essential for businesses these days. A faultless power supply to the racks is also important. Despite complying with the standards, modern consumers increasingly cause problems in the electrical systems used, presenting a growing challenge to safe operations. Potential risks include operational interruptions, unexplained functional faults, unexpected tripping of protective devices, fire and even personal injury.

The use of residual current monitoring (RCM) solutions helps to prevent problems, detect them at an early stage and ensure smooth data centre operation. If this monitoring is thorough enough, the time needed to localise and rectify the error can be further reduced and in a best-case scenario, intervention can take place before serious problems arise.

BlueNet helps here with a thorough type B residual current monitoring, jointly developed with Bender GmbH & Co. KG. As required, these modules can be integrated by supply cable, by phase or even for a group of socket outlets.

You will find more information about residual currents in data centres and how to avoid them in our white paper, which can be downloaded free of charge from www.bachmann.com.

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.

Locking clips

Universal interlock C19

Universal interlock C13

SecureSleeves

Overview of BlueNet features

	Measurement per phase	Measurement per port	Switching	Ethernet	Modbus RTU/TCP	Sensors	RCM
BN7500	•	•	•	•	•	•	(•)
BN7000	•		•	•	•	•	(•)
BN5000			•	•	•	•	
BN3500	•	•		•	•	•	(•)
BN3000	•			•	•	•	(•)

(•) The indicated feature is optionally available

Other features

Measurement

- Current (A)
- Effective power (kW)
- Voltage (V)
- Frequency (Hz)
- Power factor
- Effective energy (kWh)
- Apparent power (VA)
- Reactive power (var)
- Apparent energy (kVAh)
- Reactive energy (kVARh)

Sensors

- Temperature sensor
- Temperature/air humidity sensor

Communication

- 10/100 Mbit/s Ethernet
- IPv4/IPv6
- DHCP
- DNS
- HTTP/HTTPS
- SSH
- SNMPv2/v3
- SNMP TRAPS/SETS/GETS
- SMTP
- Syslog
- NTP
- FTP
- Modbus TCP
- Daisy Chain (Modbus RTU)

Equipment options

- C13/C19/socket outlets with earthing contact
- Supply cable with CEE plug-in connector or end sleeves
- 230/400 V
- 16/32 A
- Circuit breakers
- Overvoltage protection
- Type B residual current measurement (RCM)

Display

- Organic LED display (OLED)
- Operation via four soft buttons
- Can be rotated in 90° steps using software

BlueNet BN3000

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Measurement per phase

Measurement per port

Switching

RCM

Sensors

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
16 A/230 V						
802.3004	802.3004-S	16	4		20	1102 x 44 x 65 mm
802.3006		16		4	20	1102 x 44 x 65 mm
802.3041		24	4		28	1533 x 44 x 65 mm
16 A/400 V						
802.3010		18	3		21	1234 x 44 x 65 mm
802.3011		18		3	21	1234 x 44 x 65 mm
802.3012	802.3012-S	24	6		30	1533 x 44 x 65 mm
802.3014		24		6	30	1533 x 44 x 65 mm
802.3016		24	6	6	36	1762 x 44 x 65 mm
802.3018	802.3018-S	36	6		42	1873 x 44 x 65 mm
802.3020		36		6	42	1873 x 44 x 65 mm
32 A/230 V						
802.3005	802.3005-S	16	4		20	1234 x 44 x 65 mm
802.3007		16		4	20	1234 x 44 x 65 mm
802.3042		24	4		28	1533 x 44 x 65 mm
32 A/400 V						
802.3013	802.3013-S	24	6		30	1762 x 44 x 65 mm
802.3015		24		6	30	1817 x 44 x 65 mm
802.3019	802.3019-S	36	6		42	2037 x 44 x 65 mm

46 U

802.3004

802.3005

802.3010

802.3012

802.3013

802.3018

46 U For racks with at least 46 U

Other product configurations available on request

BlueNet BN3500

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
16 A/230 V						
802.3500	802.3500-S	18	4	0	22	1234 x 44 x 65 mm
802.3502		18		4	22	On request
802.3519		24	4		28	1533 x 44 x 65 mm
16 A/400 V						
802.3504			6		6	On request
802.3506		18	3		21	1234 x 44 x 65 mm
802.3507		18		3	21	On request
802.3508	802.3508-S	24	6		30	1533 x 44 x 65 mm
802.3510		24		6	30	On request
802.3514	802.3514-S	36	6		42	1945 x 44 x 65 mm
32 A/230 V						
802.3501	802.3501-S	16	4		20	1234 x 44 x 65 mm
802.3503		16		4	20	On request
802.3520		24	4		28	1533 x 44 x 65 mm
32 A/400 V						
802.3505			6		6	On request
802.3509	802.3509-S	24	6		30	1762 x 44 x 65 mm
802.3511		24		6	30	On request

46 U

802.3500

802.3501

802.3506

802.3508

802.3509

802.3514

Measurement per phase

Measurement per port

Switching

RCM

Sensors

46 U For racks with at least 46 U

Other product configurations available on request

Measurement per phase

Measurement per port

Switching

RCM

Sensors

BlueNet BN3000 RCM

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions	
Residual current monitoring per supply cable							
16 A/400 V							
802.3030	802.3030-S	24	12		36	1762 x 44 x 65 mm	
32 A/400 V							
802.3031	802.3031-S	24	12		36	2037 x 44 x 65 mm	46 U
Residual current monitoring per phase							
16 A/230 V							
802.3032		12	2		14	891 x 44 x 65 mm	
16 A/400 V							
802.3022		18	3		21	1234 x 44 x 65 mm	
802.3023		18		3	21	1533 x 44 x 65 mm	
802.3024	802.3024-S	24	6		30	1533 x 44 x 65 mm	
32 A/400 V							
802.3025	802.3025-S	24	6		30	1817 x 44 x 65 mm	

White paper on monitoring residual currents in data centres

Operators and managers consider outages, operational faults and interruptions to a data centre nightmare scenarios. If they occur as a result of avoidable mistakes, it's even more annoying. Residual currents are one of these avoidable mistakes and can be detected at an early stage with BlueNet RCM PDUs.
You will find more information about residual currents in data centres and how to avoid them in our white paper, which can be downloaded free of charge from www.bachmann.com.

46 U For racks with at least 46 U

Other product configurations available on request

BlueNet BN5000

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
16 A/230 V						
802.5001*				6	6	On request
16 A/400 V						
802.5002		18	3		21	On request
802.5003		24	6		30	On request
802.5005		36	6		42	On request
32 A/400 V						
802.5004		24	6		30	On request

802.5002

802.5003

802.5004

802.5005

* = 3.0 m H05VV-F supply cable with earthing contact plug

Measurement per phase

Measurement per port

Switching

RCM

Sensors

BlueNet BN7000

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
16 A/230 V						
802.7000	802.7000-S	18	4		22	1234 x 44 x 65 mm
802.7002		18		4	22	On request
802.7021		24	4		28	1533 x 44 x 65 mm
16 A/400 V						
802.7004		0	6		6	On request
802.7006		18	3		21	1533 x 44 x 65 mm
802.7007		18		3	21	On request
802.7008	802.7008-S	24	6		30	1533 x 44 x 65 mm
802.7010		24		6	30	On request
802.7014	802.7014-S	36	6		42	1943 x 44 x 65 mm
32 A/230 V						
802.7001	802.7001-S	16	4		20	1234 x 44 x 65 mm
802.7003		16		4	20	On request
802.7022		24	4		28	1533 x 44 x 65 mm
32 A/400 V						
802.7005			6		6	On request
802.7009	802.7009-S	24	6		30	1762 x 44 x 65 mm
802.7011		24	0	6	30	On request

46 U

802.7000

802.7001

802.7006

802.7008

802.7009

802.7014

46 U For racks with at least 46 U

Other product configurations available on request

BlueNet BN7500

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Measurement per phase

Measurement per port

Switching

RCM

Sensors

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions	
16 A/230 V							
802.7500	802.7500-S	18	4		22	1234 x 44 x 65 mm	
802.7502		18		4	22	On request	
802.7523		24	4		28	1533 x 44 x 65 mm	
16 A/400 V							
802.7504			6		6	On request	
802.7506		18	3		21	1533 x 44 x 65 mm	
802.7507		18		3	21	On request	
802.7508	802.7508-S	24	6		30	1533 x 44 x 65 mm	
802.7510		24		6	30	On request	
802.7514	802.7514-S	36	6		42	1943 x 44 x 65 mm	46 U
32 A/230 V							
802.7501	802.7501-S	16	4		20	1234 x 44 x 65 mm	
802.7503		16		4	20	On request	
802.7524		24	4		28	1533 x 44 x 65 mm	
32 A/400 V							
802.7505			6		6	On request	
802.7509	802.7509-S	24	6		30	1762 x 44 x 65 mm	
802.7511		24		6	30	On request	

802.7500

802.7501

802.7506

802.7508

802.7509

802.7514

46 U For racks with at least 46 U

Other product configurations available on request

Measurement per phase

Measurement per port

Switching

RCM

Sensors

BlueNet BN7000 RCM

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
32 A/400 V/residual current monitoring per group						
802.7018		18	6		24	1846 x 44 x 65 mm

BlueNet BN7500 RCM

3.0 m H05VV-F supply cable with CEE plug/including mounting set

Article number	Article number Slave variant	C13	C19	Socket outlet with earthing contact	Outlets in total	Dimensions
16 A/230 V/residual current monitoring per supply line						
802.7519		18	4		22	1234 x 44 x 65 mm

802.7519

Accessories

BlueNet BN3000-BN7000 sensors

Including 2.0 m CAT 5e supply cable with RJ45 plug on both ends

Article no.	Designation
802.0101	Temperature sensor
802.0102	Temperature/air humidity sensor

802.0101

802.0102

Plug interlocks

Article no.	Designation
940.103	Locking clips, C13, 2-way (set for 12 C13 outlets)
802.0010	Interlock C13/C19 universal height (6 x)
940.191	SecureSleeve C14 red (6 x)
940.192	SecureSleeve C14 black (6 x)
940.193	SecureSleeve C20 red (6 x)
940.194	SecureSleeve C20 black (6 x)

940.103

940.191

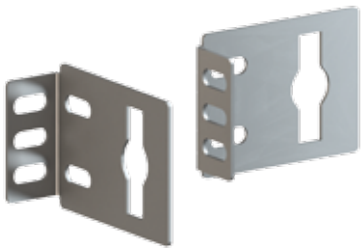
802.0010

940.192

Replacement mounting accessories

All mounting sets are included in the scope of delivery for the PDUs

Article no.	Designation
802.0001	Universal mounting set
802.0002	Mounting set, rear
802.0003	Mounting set, side



802.0001

802.0002

802.0003

Mounting options

802.0003

802.0002

802.0001

POWER FRAME COVER and frame

Ideal for workstations and conference rooms

POWER FRAME COVER is the elegant and compact power and data supply solution. The stylish aluminium cover also ensures that the power and data connections are protected from dust and dirt. When the cover is fully open, both sides of the table or desk offer unimpeded access.

POWER FRAME COVER

Article no.	Version
POWER FRAME COVER, 4-way	**Dimensions approx. 298 x 87 x 8 mm**
4-way black Power Frame (art. 915.004), with aluminium flap, for gluing into desk or table	
915.502	· Aluminium

The benefits at a glance

- Design piece made from anodised aluminium
- For conference tables and desks
- Access to power supply and data from any seat
- Dust protection

POWER FRAME, 4-way

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

Article no.	Version
POWER FRAME built-in frame, 4-way	**Dimensions approx. 283.5 x 73 mm**
317.006	· Silver-grey, similar to RAL9006
915.004	· Black, similar to RAL9005
915.005	· White, similar to RAL9010

The benefits at a glance

- Compact dimensions
- Suitable for retrofitting
- Timeless design
- Versatile in application

POWER FRAME power strips

The extended range of suitable power strips guarantees flexibility and variety.

Article no.	Version
4-way: 2 x custom modules + power socket outlets	**L: approx. 261.9 mm**
Anodised aluminium profile; power input: 0.2 m cable and GST18i3 plug	
916.1000	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
916.047	· 2 x French/UTE socket outlets, shuttered, black, set at 35°
916.0821	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°
4-way: 1 x USB double charger (5.2 V/2.15 A) + 1 x custom module + power socket outlets	**L: approx. 261.9 mm**
Anodised aluminium profile; power input: 0.2 m cable and GST18i3 plug	
916.0514	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
916.0411	· 2 x French/UTE socket outlets, shuttered, black, set at 35°
916.0519	· 2 x UK 3.15 A individually fused, shuttered, black, set at 90°
4-way: 1 x USB double charger (5.2 V/2.15 A) + 2 x custom modules + power socket outlets	**L: approx. 261.9 mm**
Anodised aluminium profile; power input: 0.2 m cable and GST18i3 plug	
916.0041	· 1 x socket outlet with earthing contact, shuttered, black, set at 35°
916.0628	· 1 x French/UTE socket outlet, shuttered, black, set at 35°
916.0516	· 1 x UK 3.15 A individually fused, shuttered, black, set at 90°
4-way: 1 x USB double charger (5.2 V/2.15 A) + power socket outlets	**L: approx. 261.9 mm**
Anodised aluminium profile; power input: 0.2 m cable and GST18i3 plug	
916.173	· 3 x socket outlets with earthing contact, shuttered, black, set at 35°
916.1227	· 3 x French/UTE socket outlets, shuttered, black, set at 35°
916.1229	· 3 x UK 3.15 A individually fused, shuttered, black, set at 90°

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

German Design Award 2012 NOMINEE

product design award 2012

reddot design award winner 2011

DESK 2 | Back to black

Design meets technology

Two selected variants of the DESK 2 multiple-socket outlet are now available in a timelessly elegant black variant. It is designed for flexible use in offices, meeting rooms, home offices or desk-sharing environments, and combines individuality and future-proofing with its modular construction.

The design is unostentatious and straightforward, the materials used are durable and high-quality. Design and the colour black together form a synthesis that impresses lovers of stylish interior design above all else – and the special edition of DESK 2 confirms it: black is back.

The benefits at a glance

- Design solution for modern workstations
- User-focused 35° orientation
- Custom versions adapt to future requirements
- Covered wiring to the edge of a desk or table

Article no.	Version
DESK 2 with 1 x USB double charger (5.2 V/2.15 A), 1 x custom module + power socket outlets	
Aluminium profile; power input: 0.2 m H05VV-F 3G 1.5 mm² with GST18; incl. mounting bracket	
902.602	· 2 x socket outlets with earthing contact, shuttered, black, set at 35° · Length 241.2 mm · Painted in black, similar to RAL9005
902.603	· 2 x French/UTE socket outlets, shuttered, black, set at 35° · Length 239.2 mm · Painted in black, similar to RAL9005

CUSTOM MODULES

Custom modules are the central components of video, audio and network connections.
They are easily interchangeable and can be adapted to suit individual requirements.
Here is a selection of the most important modules.

Article no.	Version
Custom module 2 x keystone	
917.000	· Suitable for 2 of the data and media sockets listed below
Custom module 1 x keystone	
917.001	· Suitable for 1 of the data and media sockets listed below
Keystone module CAT6 coupling/socket-socket	
940.083	· Front: RJ45 (keystone fixing); rear: RJ45 (keystone fixing), shielded
Keystone module 1 x HDMI	
918.040	· Front: HDMI socket; rear: HDMI socket
Keystone module 1 x USB 3.0 A/A (straight-through)	
917.120	· Front: USB A socket; rear: USB A socket
Custom module 1 x VGA + miniature jack	
917.045	· Front: VGA socket and miniature jack; rear: VGA socket and miniature jack with approx. 0.1 m cable

More versions and accessories are available in our catalogues and on request.

Wieland device supply cable

Article no.	Version
Wieland device supply cable, GST18 earthing contact	**Colour black**
Cable: H05VV-F 3G 1.5 mm²; end 1: Right-angled earthing contact plug; end 2: Wieland GST 18i3 socket	
375.075	· Length 2.0 m
375.003	· Length 3.0 m
375.005	· Length 4.0 m

DUE

Form and function in a duet

DUE is the ideal power strip for the kitchen. It guarantees an elegant power connection 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 installation depth of less than 45 mm allows it to be compactly integrated into kitchen worktops and desks or installed above drawers.
DUE is also perfect in form and function when wall-mounted.

The benefits at a glance

- "Customise your product" – interchangeable covers available in black, white and stainless steel look
- Low installation depth (less than 45 mm)
- Space-saving even when open
- Supplied with mounting template
- Integrated water run-off

DUE power strips

Article no.	Version
DUE 2 x socket outlets with earthing contact	
Housing, black plastic; power input 0.2 m cable with GST18i3 plug, black	
929.010	· 2 x socket outlets with earthing contact, shuttered, black, set at 90°
DUE 2 x French/UTE socket outlets	
Housing, black plastic; power input 0.2 m cable with GST18i3 plug, black	
929.012	· 2 x French/UTE socket outlets, shuttered, black, set at 90°

Note: Housing only, covers must be ordered separately

DUE cover

Article no.	Version
DUE cover, stainless steel look	
929.100	· Made from plastic, stainless steel look finish
	· Contents: 2 x covers
DUE cover, black	
929.101	· Made from plastic, colour black, similar to RAL9005
	· Contents: 2 x covers
DUE cover, white	
929.102	· Made from plastic, colour white, similar to RAL9010
	· Contents: 2 x covers

PIX

Design exactly where you need it

The stylish PIX range is a collection of sophisticated, round socket outlet and connector units that can be used in many different ways. On a desk in the office, in the kitchen, in the bathroom, as a lounge element, in the wall or other living room scenarios, PIX provides a huge range of customisable connections.

Used alone or in combination, the decorative rings are available in various colours and can be interchanged. An ingenious, swivel-mounted cover, providing protection from dust and dirt, is available as an option for PIX and can also be retrofitted. The compact form (H x Ø: approx. 50 x 68 mm) and low installation depth (approx. 45 mm) ensure a space-saving installation from above or the front. Retrofitting is also possible.

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

The benefits at a glance

- Customisable range of connections
- Can be integrated on its own or in combination
- Interchangeable, coloured decorative rings
- With swivel-mounted cover as an option
- Low installation depth (approx. 45 mm)
- Simple mounting from above, retrofitting possible too

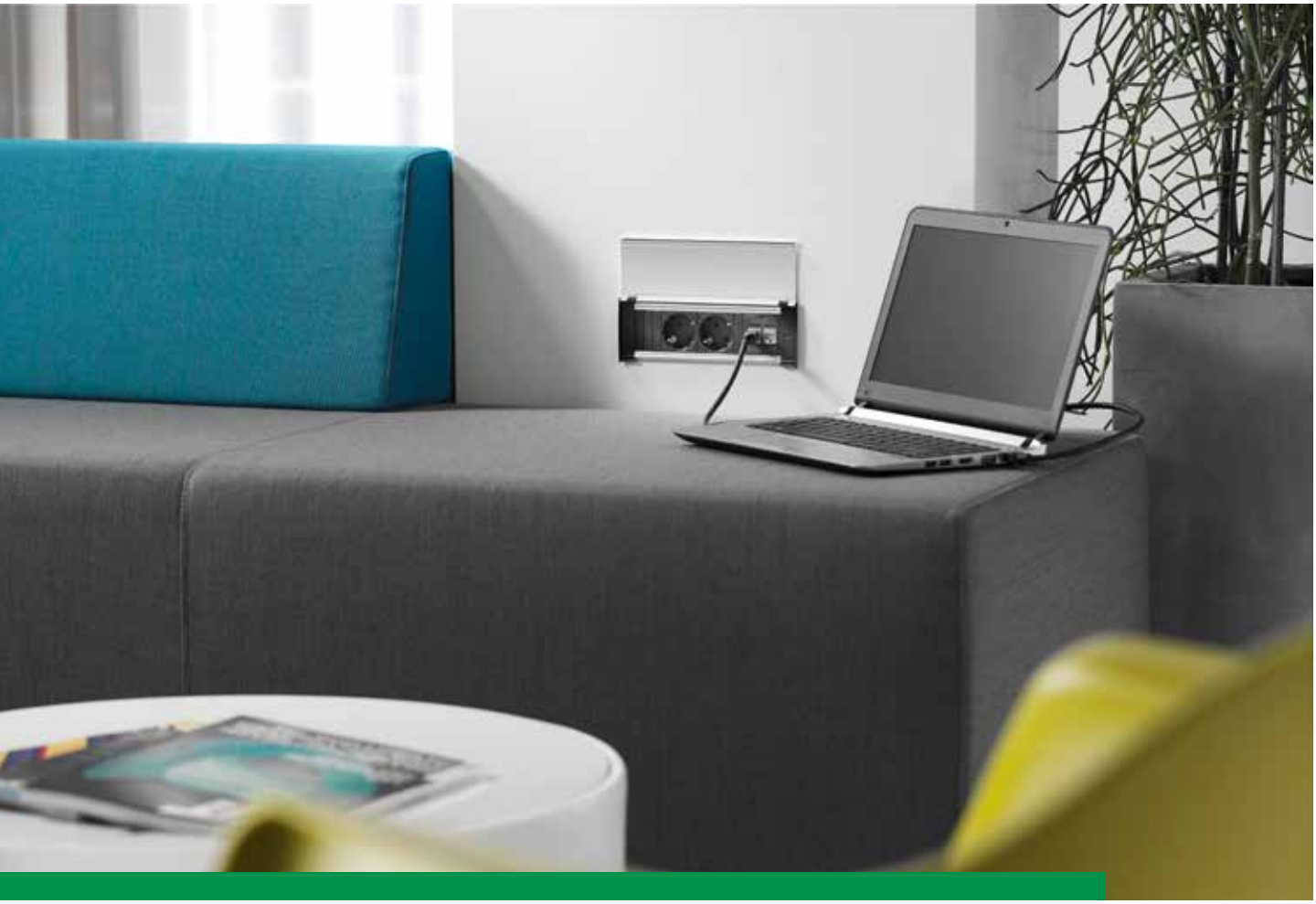
PIX power strips

Article no.	Version
PIX 1 x socket outlet with earthing contact	
Housing, black plastic; power input 0.2 m cable with GST18i3, black	
926.000	· 1 x socket outlet with earthing contact, shuttered, black · Mounted decorative ring, black, similar to RAL9005 · With decorative ring included, white, similar to RAL9010
PIX 1 x French/UTE	
Housing, black plastic; power input 0.2 m cable with GST18i3, black	
926.002	· 1 x French/UTE socket outlet, shuttered, black · Mounted decorative ring, black, similar to RAL9005 · With decorative ring included, white, similar to RAL9010
PIX 1 x UK	
Housing, black plastic; power input 0.2 m cable with GST18i3, black	
926.006	· 1 x UK 3.15 A socket outlet, shuttered, black · Mounted decorative ring, black, similar to RAL9005 · With decorative ring included, white, similar to RAL9010
PIX 1 x custom module	
Housing, plastic, black	
926.010	· 1 x custom module without supply cable

PIX cover set

Article no.	Version
PIX cover set, black	
926.101	· Swivelling cover with accompanying decorative ring, black, similar to RAL9005 · Includes panels for respective country and connection versions
PIX cover set, white	
926.102	· Swivelling cover with accompanying decorative ring, white, similar to RAL9010 · Includes panels for respective country and connection versions

Other colour versions available on request



KAPSA

Modularity and minimalism combined

KAPSA's classical, reduced lines make it a power strip that is both design-orientated and space-saving – designed for the kitchen, office and many other areas.

The cover – which can be flipped open and interchanged – provides protection against external influences and is available in several versions. Three-way, modular equipment options, thereby allowing flexible configuration. Installation from above guarantees simple mounting – also optionally available as a retrofitted solution. A low installation depth of approx. 45 mm and a solid design characterise KAPSA and confirm the well-worn saying: less is more.

The benefits at a glance

- "Customise your product" – covers can be easily interchanged and are available in several versions
- Three-way, modular equipment options
- Aluminium cover with high-quality feel
- Low installation depth (approx. 45 mm)
- Simple mounting from above, retrofitting possible too

KAPSA power strips

KAPSA; 3-way: Power socket outlets	Length: approx. 204 mm
Anodised aluminium profile, power input 0.2 m cable with GST18i3, black	
927.050	· 3 x socket outlets with earthing contact, shuttered, black, set at 35°
927.053	· 3 x UTE/French socket outlets, shuttered, black, set at 35°

KAPSA; 3-way: Power socket outlets + 1 x USB double charger (5.2 V/2.15 A)	Length: approx. 204 mm
Anodised aluminium profile, power input 0.2 m cable with GST18i3, black	
927.051	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
927.054	· 2 x UTE/French socket outlets, shuttered, black, set at 35°

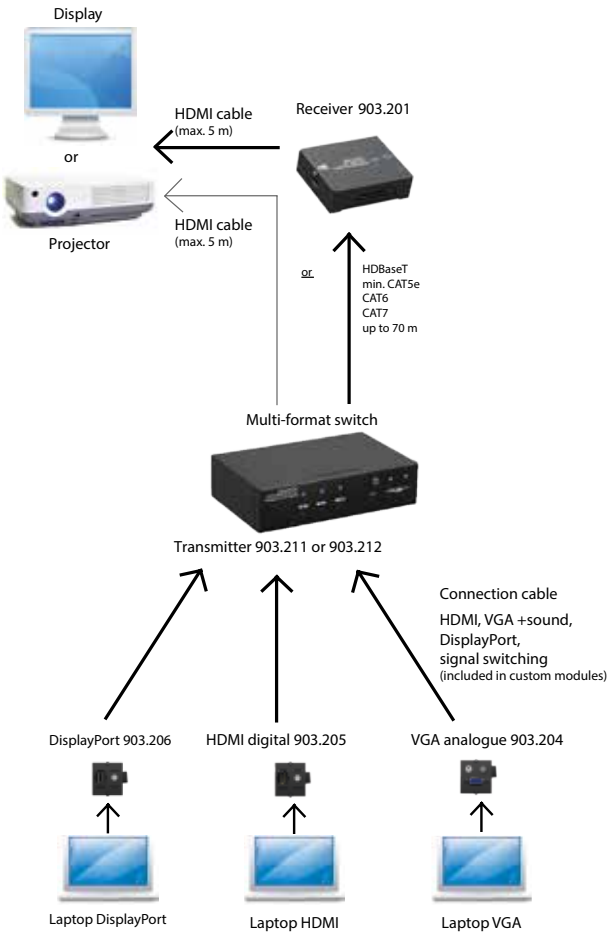
KAPSA; 3-way: Power socket outlets + 1 x custom module	Length: approx. 204 mm
Anodised aluminium profile, power input 0.2 m cable with GST18i3, black	
927.052	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
927.055	· 2 x UTE/French socket outlets, shuttered, black, set at 35°

Note: Housing only, cover must be ordered separately

KAPSA covers

Article no.	Version
KAPSA cover, black	
927.101	· Made from aluminium, painted black, similar to RAL9005
KAPSA cover, white	
927.102	· Made from aluminium, painted white, similar to RAL9010
KAPSA cover, anodised	
927.103	· Made from anodised aluminium, E6/EV1

Other colour versions available on request



HDBaseT Switch

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 in 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.

The benefits at a glance

- Zero-loss transmission of image and sound signals via CAT cable up to 70 metres
- Simple cabling
- Plug-and-play
- No programming needed
- Resolution up to UHD (4K) possible
- Compatible with HDBaseT-capable displays and projectors

HDBaseT Switch

Article no.	Version

HDBaseT transmitter with 3 inputs

903.211	· Input: 2 x HDMI, 1 x VGA + audio · HDMI output + HDBaseT via RJ45 · max. 70 metre cable length · incl. control box

HDBaseT transmitter with 4 inputs

903.212	· Input: 2 x HDMI, 1 x VGA + audio , 1 x DisplayPort · HDMI output + HDBaseT via RJ45 · max. 70 metre cable length · incl. control box

HDBaseT receiver

903.201	· HDBaseT input via RJ45 · HDMI output, HDCP compatible

Mounting accessories

Mounting bracket

903.203	· Mounting bracket for HDBaseT transmitter, x 2

Accessories for transmitter

CUSTOM modules for integration into our desk connection panels

VGA analogue

903.204	· Custom module VGA, miniature jack and button · 1 x VGA 15-pole socket/plug · 1 x 3.5 mm miniature jack socket/plug · 1 x blue illuminated button with RJ12 plug · Cable lengths 1 m

DisplayPort digital

903.206	· Custom module DisplayPort, button · 1 x DisplayPort socket/plug · 1 x blue illuminated button with RJ12 plug · Cable lengths 1 m

HDMI digital

903.205	· Custom module HDMI, button · 1 x HDMI socket/plug · 1 x blue illuminated button with RJ12 plug · Cable lengths 1 m

Accessories for cabling

Functionality of the entire system is only ensured with these components

VGA analogue cabling

VGA 15-pole HD combi cable with miniature jack, black, VGA plug 15 HD, miniature jack plug 3.5 mm

918.066	· Length 1 m

DisplayPort digital cabling

DisplayPort connection cable, black, 4K x 2K, connecting cable with plug-plug

918.0951	· Length 1 m

HDMI digital cabling

HDMI connection cable, black, 4K x 2K, HDMI 19-pole plug

918.0191	· Length 1 m
918.0192	· Length 3 m
918.0193	· Length 5 m

More accessories are available in our catalogue and on request.

Custom modules

As versatile as your applications

BACHMANN custom modules are the central components of video, audio and network connections. Their construction offers you simple and flexible installation in FACILITY SOLUTIONS, rack systems and electrical installations.

The versatility of custom modules makes BACHMANN FACILITY SOLUTIONS even more flexible. With the easy-to-swap modules, you can create units to meet the individual data, video and audio connection requirements of your customers quickly and simply.

Custom modules

Article no.	Version
Custom module VGA, jack, HDMI	
917.222	· Custom module equipped with: · Breakout cables 0.2 m, socket-socket, for VGA, audio (3.5 mm stereo jack) · HDMI, HDMI mounting using a keystone clip
Custom module, 3-way cable bushing	
917.082	· Plastic frame, black · For 1 cable with diameter < 140 mm and 2 cables with diameter < 100 mm · Incl. 2 x T6 Torx screws for assembly

Accessories/cables

Article no.	Version
DisplayPort digital cabling	
DisplayPort connection cable, colour black, 4K x 2K	
Connecting cable with plug-plug	
918.0951	· 1.0 m length
918.0952	· 3.0 m length
918.0953	· 5.0 m length

Wireless charger

Convenient charging of mobile devices

The WIRELESS CHARGER allows all QI-capable mobile devices to be charged. No plugs, no irritating cables – the smartphone or tablet is simply and conveniently placed onto the charging module to charge.

The WIRELESS CHARGER can be very easily and quickly integrated into a wide range of table surfaces. The WIRELESS CHARGER is placed into a cut-out 79 mm in diameter and secured from below in the table surface using clamping claws.

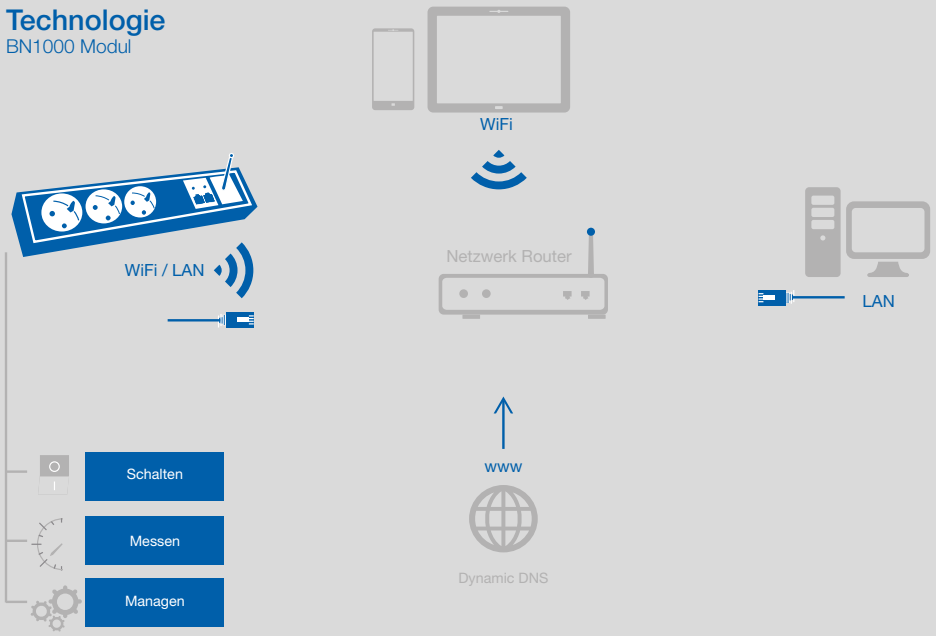
Wireless charger

Article no.	Version
Wireless charger	
Wireless charging station, plastic housing, black, power input 1.5 m cable with USB type A connection	
934.000	· Wireless charger for installation in table surfaces · Charging standard: WPC1.1 · Input: 5 V · Output: 5 V · Charging distance: 4-6 mm · Suitable for standard 79 mm hole · With USB charger included

Accessories

Article no.	Version
Hole saw, Ø79 mm, for installing the wireless charger	
928.900	· Hole saw for wood/plastic; cutting depth up to 44 mm
918.900	· Mounting tool for hole saw with centring drill

BlueNet 1500



NEW

BlueNet BN1500

The complete solution for small and medium-sized IT infrastructures

BlueNet
Efficient Power Management

BlueNet BN1500 technology offers the ability to measure electrical parameters and connect or switch off three switching groups, in addition to a convenient remote management function for monitoring your IT infrastructure. Additional temperature measurement using an external temperature sensor allows the ambient temperature to be determined. Measured values are provided via the web interface and via SNMPv2c.

The BlueNet Wi-Fi app is available for conveniently displaying collected data on mobile devices and simple remote switching. An e-mail alarm feature or automated switching for individually configurable load, amperage and temperature threshold values offers additional administrative safety.

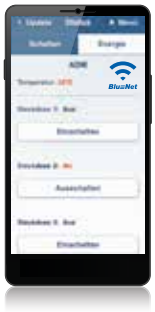
Along with an Ethernet port, BN1500 products are also equipped with an RP-SMA antenna connection. You simply choose your preferred connection type, whether Ethernet or Wi-Fi.

The benefits at a glance

- Three measuring and switching groups of 16 A each
- Measurement of ambient temperature and electrical values.
- Load management and cost control
- Management via web interface, SNMPv2c and smartphone app
- Lean user management
- Wi-Fi and Ethernet connectivity (parallel operation possible)
- SSL-encrypted e-mail alarm feature

App for smartphones or tablet PCs

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



BlueNet

Article no.	Version
Tradesman's strip with BN1500 technology	
2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug, without switch	
820.004	· 3 x socket outlets with earthing contact, can be switched individually · BN1500 technology
820.053	· 3 x socket outlets with earthing contact, can be switched individually · 1 x socket outlet with earthing contact, continuous voltage · BN1500 technology

CONNECT LINE with BN1500 technology	
2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug, without switch	
820.012	· 3 x socket outlets with earthing contact, can be switched individually · BN1500 technology
820.054	· 3 x socket outlets with earthing contact, can be switched individually · 1 x socket outlet with earthing contact, continuous voltage · BN1500 technology

19" 1 U BN1500	
2.0 m H05VV-F 3G 1.5 mm², black, with right-angled earthing contact plug (or SEV T23), without switch	
820.028	· 4 x socket outlets with earthing contact (3 x switchable/measurable, 1 x permanent/unmeasured), shuttered · BN1500 technology
820.030	· 3 x French/UTE socket outlets (3 x switchable/measurable), shuttered · BN1500 technology
820.032	· 3 x Swiss/T23 socket outlets (3 x switchable/measurable), shuttered · BN1500 technology

SMART Adapter

Lifestyle, convenience, safety.

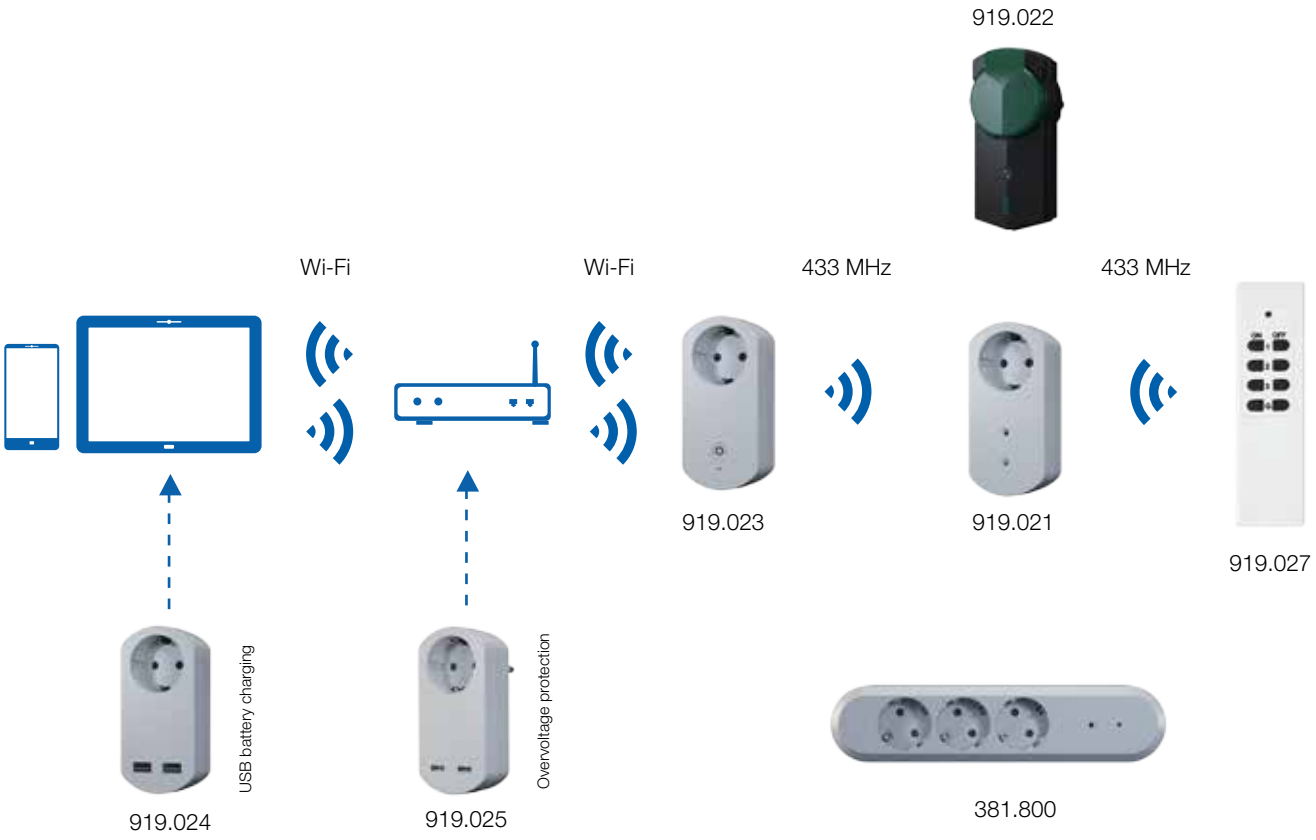
The new SMART Adapter series offers convenience and safety in response to your demand for intelligent living – all packaged into a timeless, modern design. The SMART Adapters offer greater security for your entertainment electronics and allow electrical consumers to be easily and remotely switched using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

Easy to use – great benefits.

Our SMART Adapters with integrated radio remote switches can either be put into operation in a Wi-Fi network with a user-friendly 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 3.1 A without sacrificing a socket outlet – and at up to 1.5 A/port. The overvoltage protection adapter protects electronic devices using state-of-the-art technology.

The benefits at a glance

- Easy to set up and operate
- Networked radio and Wi-Fi adapters
- Added safety thanks to overvoltage protection
- USB charger adapter with 3.1 A total charging current
- Very flexible



Smart complete system – flexible use

The socket outlets on the output side for the radio and Wi-Fi SMART products can be switched from a distance via remote control or an app for smartphones and tablet PCs. It is easy to train the remote control function, which can be done quickly. After this has been done, there is nothing else to prevent you from conveniently and remotely switching consumers. Wi-Fi SMART products are detected using a simple process in the corresponding app on your smartphone or tablet and now also offer the option of being remotely controlled alongside timer, countdown and absence functions.
In addition, radio-based SMART products can be trained and also switched using the app.
A complete system which can be easily retrofitted – and which fulfils the demand for user-friendliness and flexibility in one holistic package.

Radio SMART multiple-socket outlet, 433 MHz	
SMART multiple-socket outlet with integrated radio remote switch, 10 A/230 V~, IP20	
381.800	· 3 x socket outlets with earthing contact (type F, CEE 7/3), shuttered · Switching power max. 10 A/230 V~, single-pole switching with indicator LED, manually switchable · 433.92 MHz, unidirectional, radio range 30 m outdoors · Switchable using remote control 919.027 or using the app (trained to Wi-Fi SMART Adapter 919.023)

USB SMART multiple-socket outlet	
SMART multiple-socket outlet with integrated 2-way USB charger, white, 16 A/230 V~, IP20	
381.801	· 3 x socket outlets with earthing contact (type F, CEE 7/3), shuttered · Total charging current for USB charger: max. 3.1 A/5 V

Article no.	Version
Radio SMART Adapter 433 MHz	
Adapter plug with integrated radio remote switch, 10 A/230 V~, IP20	
919.021	· 1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3), shuttered · Switching power max. 10 A/230 V~, single-pole switching with indicator LED, manually switchable · 433.92 MHz, unidirectional, radio range 30 m outdoors · Switchable using remote control 919.027 · Switchable using mobile app for iOS and Android

Radio SMART Adapter 433 MHz | Outdoor	
Adapter plug with integrated radio remote switch, 10 A/230 V~, IP44	
919.022	· 1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/4 on 7/3), shuttered · Switching power max. 10 A/230 V~, single-pole switching with indicator LED, manually switchable · 433.92 MHz, unidirectional, radio range 30 m outdoors · Switchable using remote control 919.027 · Switchable using mobile app for iOS and Android

Wi-Fi SMART Adapter	
Adapter plug with integrated Wi-Fi radio remote switch, 10 A/230 V~, IP20	
919.023	· 1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3), shuttered · Switching power max. 10 A/230 V~, single-pole switching with indicator LED, manually switchable · Wi-Fi, 2.4 GHz, IEEE 802.11 b/g/n, unidirectional, functional range within the Wi-Fi network · Switchable using mobile app for iOS and Android · **Additional gateway for Radio SMART Adapter**

USB SMART Adapter	
Adapter plug with integrated 2-way USB charger, 16 A/230 V~, IP20	
919.024	· 1 x earthing contact plug on socket outlet with earthing contact (type F/E CEE 7/7 on 7/3), shuttered · Total charging current for USB charger: max. 3.1 A/5 V, with function LED

OVP SMART Adapter	
Adapter plug with integrated overvoltage 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), shuttered · With function and mains voltage LED · SPD type 3 as per EN 61643-11:2011/IEC 61643-1:2011 · Up: L-N: 1.5 kV; L/N-PE: 1.5 kV, Uoc 6 kV, Ta <25 ns, UC 255 VAC, IL 16 A, Ip 6.5 kA, Isc 1.5 kA, Ta <25 ns

Radio remote control for Radio SMART Adapters	
For remotely controlling Radio SMARTLINE products, white	
919.027	· Operated with replaceable battery CR2032/3 V · 433.92 MHz, unidirectional, radio range 30 m outdoors · 3 channels ON/OFF with 1 x Radio SMART Adapter each or SMART Line with radio remote switch

Front view

VDE approval is the hallmark for our quality and your safety

Extended fixing claws with increased clamping force

Improved plastic for increased rigidity

Cooker connection socket

Tried and tested, reliable, safe

Our cooker connection socket has been completely redesigned and now boasts improved clamping claws, a new plastic housing and the customary, up-to-date VDE approval as per VDE 0606-1, VDE 60670-22, EN 60670-1 and EN 60670-22.

Article no.	Version
Cooker connection socket	
For connecting electrical devices to a cooker connection socket, 16 A/400 V~, light grey, IP20	
190.270	· For 55 mm wall boxes, accessory mounting boxes and cavity wall boxes · Installation height on the wall: 23 mm · VDE approval

The benefits at a glance

- Up-to-date VDE approval
- Improved plastic for increased rigidity
- Extended fixing claws with increased clamping force

Outdoor socket outlet, construction site bulb socket

Outdoor socket outlet

New: Now also suitable for right-angled plugs. Very well-suited for use in utility rooms – e.g. for washing machines and dryers.

Article no.	Version
Outdoor socket outlet, lockable, for right-angled plugs	
Series 9015 230 V, 16 A, IP44, only for mounting on wall, L/W/H 185 x 85 x 80 mm	
924.3491	1 x socket outlet with earthing contact, supplied without lock and plug

The benefits at a glance

Ideal for supplying electricity:

- In the garden
- In the basement
- In the garage etc.

Examples for use:

- Christmas lights
- Lawnmowers
- Light chains
- Electric grills

Construction site bulb socket with E27 holder – assembled

E27 holder made of plastic

- Cable: 0.2 m length H03VV-F2 x 0.75 mm²
- 250 V/4 A/T180

Article no.	Version
Construction site bulb socket, not packaged, can be procured individually	
E27 holder made from plastic – cable 0.2 m H03VV-F2 x 0.75 mm²	
641.1701	With screw terminal (terminal block) 2-pole, black
641.1711	With push-in terminal, black
641.2701	With screw terminal (terminal block) 2-pole, white
641.2711	With push-in terminal, white

Cord intermediate dimmer, series 8113 reverse phase control dimmer

50 Hz, 20 to 300 W/VA

Can be used for

- Low-voltage halogen lamps with electronic transformers
- High-voltage halogen lamps
- Light bulbs

Article no.	Version
Cord intermediate dimmer, series 8113 reverse phase control dimmer	
Dimensions: L/W/H 130 x 60 x 35 mm	
924.353	Transparent

The benefits at a glance

- Slide controller for actuation using hands and feet
- Mode of connection (intermediate or cord end) freely selectable
- Buzz-free
- No fuse
- Separate On/Off switch
- Orientation light in the darkness

LED cord touch dimmer, series 8119 with soft start and memory function

Electronic, transistor-controlled, phase-controlled dimmer without inductor

Can be used for:

- Dimming LED lamps
- High-voltage halogen lamps
- Light bulbs

Article no.	Version
LED cord touch dimmer, series 8119 with soft start and memory function	
230 V~ (+/- 10%), 50 Hz, 5-100 W/VA, LED 3-35 W,	
924.354	Black

The benefits at a glance

- On/Off/Dimming using a push-button
- Active current limiting with overtemperature protection
- Low-noise operation
- Flicker-free dimming thanks to option of setting basic and maximum brightness
- For connecting cables with a diameter of max. 7.5 mm
- Compact design
- Dimensions: L/W/H 81 x 32 x 23 mm

LED cord dimmer, series 8118

Electronic, transistor-controlled, phase-controlled dimmer without inductor
230 V~ (+/- 10%), 50 Hz, 5-100 W/VA, LED 3-35 W, dimensions: Ø 33 mm x L 110 mm
· Can be used for:
· Dimming LED lamps
· High-voltage halogen lamps
· Light bulbs

Article no.	Version
LED cord dimmer, series 8118	
Electronic, transistor-controlled, phase-controlled dimmer without inductor 230 V~ (+/- 10%), 50 Hz, 5-100 W/VA, LED 3-35 W	
924.0163	Black, without cable
924.0164	White, without cable
924.0165	Transparent, without cable

The benefits at a glance

· On/Off/Dimming by turning the housing
· Active current limiting with overtemperature protection
· Low-noise operation
· Flicker-free dimming thanks to option of setting basic and maximum brightness
· With microswitch and fine grid
· Can be freely positioned thanks to symmetrical design
· For connecting cables with a diameter of max. 8 mm

Flush pushbutton switch, series 3030

Flush pressure switch with constant switch position

2(1) A, 250 V~, T 185 °C, off switch, 1-pole
Central fixing by M 10 x 1 mm, screwed contacts, bell-shaped nut screws on from above

Can be used for:
· H03VV-F 2 x 0.75 mm²
· H03VV-F 2 x 0.75 mm²
· H03VV H2-F 2 x 0.75 mm²

Article no.	Version
Flush pressure switch with constant switch position	
2(1) A, 250 V~, T 185 °C, off switch, 1-pole,	
924.1370	White, thread length 7.5 mm

Flush rocker switch, series 3631

10(4) A, 250 V, 1-pole, non-illuminated changeover switch, T 125 °C
Installation dimensions 19 x 13 mm
· Tab terminals 4.8 x 0.8 mm

Article no.	Version
Flush rocker switch, series 3631	
10(4) A, 250 V, 1-pole, non-illuminated changeover switch, T 125 °C	
924.182	Black

Article no.	Version
Flush rocker switch, series 3631	
10(4) A, 250 V, 1-pole, illuminated off switch, T 125 °C, installation dimensions 19 x 13 mm	
924.110	Black housing, red rocker with white marking 0-I
924.181	Black housing, green rocker without marking

Flush rocker switch, series 3632

· 10(2) A, 250 V, 1-pole, T 125 °C
· Changeover switch with central position "OFF", non-illuminated
· Installation dimensions 19 x 13 mm
· Tab terminals 4.8 x 0.8 mm

Article no.	Version
Flush rocker switch, series 3632	
10(2) A, 250 V, 1-pole, non-illuminated changeover switch, T 125 °C	
924.183	Black, white marking I-0-II

Flush rocker button, series 3633 IP65

· 6(2) A, 250 V, 1-pole, normally open contact, T 125 °C
· Non-illuminated
· Installation dimensions 19 x 13 mm
· Tab terminals 4.8 x 0.8 mm

Article no.	Version
Flush rocker button, series 3633	
6(2) A, 250 V, 1-pole, normally open contact, T 125 °C, non-illuminated	
924.184	Black

Flush rocker switches

Flush rocker switch, series 3634

- 10 (4) A, 250 V, 2-pole, off switch, T 125 °C
- Installation dimensions 19 x 13 mm
- Tab terminals, 4.8 x 0.8 mm
- White marking 0-I

Article no.	Version
Flush rocker switch, series 3634	
10 (4) A, 250 V, 2-pole, off switch, T 125 °C	
924.185	· Black housing, non-illuminated
924.186	· Black housing, rocker green, illuminated

Flush pressure switch, series 3635

- 16 (4) A, 250 V, 2-pole, off switch, T 125 °C
- Installation dimensions 19 x 13 mm
- Tab terminals 4.8 x 0.8 mm

Article no.	Version
Flush pressure switch, series 3635	
16 (4) A, 250 V, 2-pole, off switch, T 125 °C	
924.1371	· Black housing, non-illuminated
924.1372	· Black housing, green button, illuminated

Flush rocker switch, series 3658

- 16 (4) A, 250 V, 2-pole, off switch, T 125 °C
- Illuminated
- With rubber seal
- Water and dust protection as per IP65
- Installation dimensions 19 x 13 mm
- Tab terminals 6.3 mm

Article no.	Version
Flush rocker switch, series 3658	
16 (4) A, 250 V, 2-pole, off switch, T 125 °C	
924.187	· Black housing, green button, illuminated
924.188	· Black housing, red button, illuminated

SMART PLUG/FLAT PLUG

Flat plug for safety and convenience

The SMART PLUG/FLAT PLUG allows optimum use to be made of limited space behind cupboards, in the kitchen or office. The plug fits all common flush power socket systems. When plugged in, it lies neatly on the socket outlet and thereby allows power to be used in very tight spaces. When using the SMART PLUG/FLAT PLUG, devices or furniture can be located very close to the wall. When visible in the room, the flat shape makes a bold design statement.

Unwieldy plugs which are hard to release are instantly a thing of the past. Thanks to the smart lever function of the SMART PLUG with ejection mechanism, the plug can be pulled out with little effort, thereby ensuring convenient unplugging of devices.

The benefits at a glance

- Flat shape, design with straight lines
- Fits all common flush power socket systems
- Allows power to be used in very tight spaces, especially behind furniture
- Quality, VDE-approved flat plug
- Smart lever function means that little force has to be applied and plug can be loosened with ease
- Earthing contact plug CEE 7/7

FLAT PLUG

Flat plug without ejection mechanism

Article no.	Version
FLAT PLUG	
Mounting plug – can be reconnected, without a cable	
933.001	· Without lever and/or ejection mechanism · VDE-approved · Colour: Black
933.002	· Without lever and/or ejection mechanism · VDE-approved · Colour: White

With 1.5 m H05VV-F 3G 1.5/10 cm stripped/end sleeves	
933.003	· Without lever and/or ejection mechanism · VDE-approved · Colour: Black
933.004	· Without lever and/or ejection mechanism · VDE-approved · Colour: White

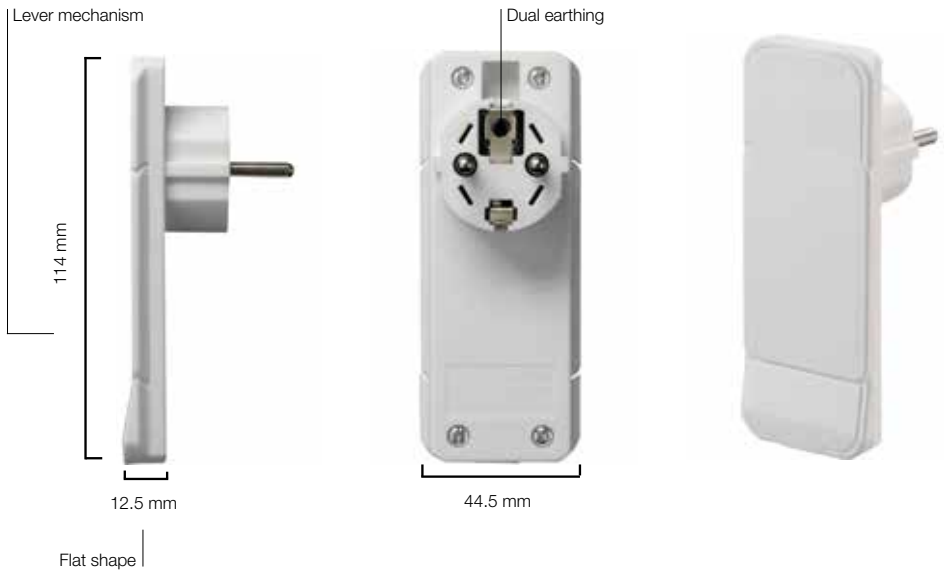
With 1.5 m H05VV-F 3G 1.5/earthing contact coupling	
933.005	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.006	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: White

With 1.6 m H05VV-F 3G 1.5/3-way tabletop power strip	
933.007	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: White

SMART PLUG

Flat plug with ejection mechanism

Article no.	Version
SMART PLUG	
Mounting plug – can be reconnected, without a cable	
933.008	· With lever and/or ejection mechanism · VDE-approved · Colour: Black
933.009	· With lever and/or ejection mechanism · VDE-approved · Colour: White
With 1.5 m H05VV-F 3G 1.5/earthing contact coupling	
933.012	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.013	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White
With 3.0 m H05VV-F 3G 1.5/earthing contact coupling	
933.010	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.011	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White
With 1.6 m H05VV-F 3G 1.5/3-way tabletop power strip	
933.014	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.015	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White



*) VDE document no. 0040041550 and no. 0040041556

TWIST

Power outside the box

TWIST is a power strip for the kitchen, office, lounge and additional, personalised uses.
With its compact design and low installation depth, TWIST is easily integrated in a space-saving way into kitchen worktops or desks, for example. Because the power cable is routed close to the housing, the installation depth is only around 40 mm, so the unit can be easily installed above a drawer.

Various surface versions allow TWIST to fit effortlessly into classical, modern concepts – in addition to lively shape and colour concepts. After use, simply rotate the cover and the socket outlets 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, the interzum award: intelligent material & design 2015 and lastly the German Design Award 2016.

The benefits at a glance

- Multiple winner of design awards
- Sophisticated twisting lock
- Low installation depth (approx. 40 mm)
- Compact design (H x Ø: approx. 42.5 x 115 mm)
- Space-saving cable routing
- Quick and easy to install

TWIST

Article no.	Version
TWIST 2S, black, similar to RAL9005	
2.0 m cable with end sleeves and black mounting plug, included	
931.100	· 2 x socket outlets with earthing contact, shuttered, black
931.102	· 2 x French/UTE socket outlets, shuttered, black

TWIST 2S, white, similar to RAL9010	
2.0 m cable with end sleeves and black mounting plug, included	
931.200	· 2 x socket outlets with earthing contact, shuttered, black
931.202	· 2 x French/UTE socket outlets, shuttered, black

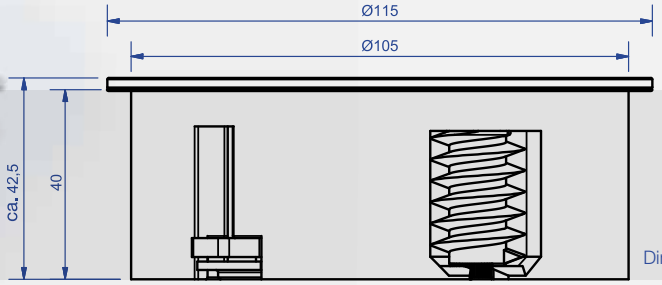
Accessories

Hole saw	**diameter: 105 mm**
For fitting TWIST	
931.900	· In wood/plastic with cutting depth up to 44 mm
918.900	· Mounting tool for hole saw with centring drill

Other colour versions available on request

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

40 mm – all the space that TWIST requires.



Dimensions in mm

DUE

Form and function in a duet

DUE is the ideal power strip for the kitchen. It guarantees an elegant power connection 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 installation depth of less than 45 mm allows it to be compactly integrated into kitchen worktops and desks or installed above drawers.
DUE is also perfect in form and function when wall-mounted.

The benefits at a glance

- "Customise your product" – interchangeable covers available in black, white and stainless steel look
- Low installation depth (less than 45 mm)
- Space-saving even when open
- Supplied with mounting template
- Integrated water run-off

DUE power strips

Article no.	Version
DUE 2 x socket outlets with earthing contact	
Housing, black plastic; power input 2.0 m cable with end sleeves and included mounting plug, black	
929.000	· 2 x socket outlets with earthing contact, shuttered, black, set at 90°
DUE 2 x French	
Housing, black plastic; power input 2.0 m cable with end sleeves and included mounting plug, black	
929.002	· 2 x French/UTE socket outlets, shuttered, black, set at 90°
DUE 2 x UK	
Housing, black plastic; power input 2.0 m cable with mounted mounting plug, black	
929.004	· 2 x UK socket outlets, shuttered, black, set at 90°

Note: Housing only, cover must be ordered separately

DUE cover

Article no.	Version
DUE cover, stainless steel look	
929.100	· Made from plastic, stainless steel look finish
	· Contents: 2 x covers
DUE cover, black	
929.101	· Made from plastic, colour black, similar to RAL9005
	· Contents: 2 x covers
DUE cover, white	
929.102	· Made from plastic, colour white, similar to RAL9010
	· Contents: 2 x covers

PIX

Design exactly where you need it

The stylish PIX range is a collection of sophisticated, round socket outlet and connector units that can be used in many different ways. On a desk in the office, in the kitchen, in the bathroom, as a lounge element, in the wall or other living room scenarios, PIX provides a huge range of customisable connections.

Used alone or in combination, the decorative rings are available in various colours and can be interchanged. An ingenious, swivel-mounted cover, providing protection from dust and dirt, is available as an option for PIX and can also be retrofitted. The compact form (H x Ø: approx. 50 x 68 mm) and low installation depth (approx. 45 mm) ensure a space-saving installation from above or the front. Retrofitting is also possible.

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

The benefits at a glance

- Customisable range of connections
- Can be integrated on its own or in combination
- Interchangeable, coloured decorative rings
- With swivel-mounted cover as an option
- Low installation depth (approx. 45 mm)
- Simple mounting from above, retrofitting possible too

PIX power strips

Article no.	Version
PIX 1 x socket outlet with earthing contact	
Housing, black plastic; power input 2.0 m cable with end sleeves and included mounting plug, black	
926.001	· 1 x socket outlet with earthing contact, shuttered, black · Mounted decorative ring in black, similar to RAL9005 · With decorative ring included in white, similar to RAL9010 · With decorative ring included in stainless steel look
PIX 1 x UTE	
Housing, black plastic; power input 2.0 m cable with end sleeves and included mounting plug, black	
926.003	· 1 x French/UTE socket outlet, shuttered, black · Mounted decorative ring in black, similar to RAL9005 · With decorative ring included in white, similar to RAL9010 · With decorative ring included in stainless steel look
PIX 1 x UK	
Housing, black plastic; power input 2.0 m cable with mounted mounting plug, black	
926.007	· 1 x UK socket outlet, shuttered, black · Mounted decorative ring in black, similar to RAL9005 · With decorative ring included in white, similar to RAL9010 · With decorative ring included in stainless steel look

PIX cover set

Article no.	Version
PIX cover set, black	
926.101	· Swivelling cover with accompanying decorative ring, black, similar to RAL9005 · Includes panels for respective country and connection versions
PIX cover set, white	
926.102	· Swivelling cover with accompanying decorative ring, white, similar to RAL9010 · Includes panels for respective country and connection versions

Other colour versions available on request

KAPSA

Modularity and minimalism combined

KAPSA's classical, reduced lines make it a power strip that is both design-orientated and space-saving – designed for the kitchen, office and many other areas.

The cover – which can be flipped open and interchanged – provides protection against external influences and is available in several versions. Three-way, modular equipment options, thereby allowing flexible configuration. Installation from above guarantees simple mounting – also optionally available as a retrofitted solution. A low installation depth of approx. 45 mm and a solid design characterise KAPSA and confirm the well-worn saying: less is more.

The benefits at a glance

- "Customise your product" – covers can be easily interchanged and are available in several versions
- Three-way, modular equipment options
- Aluminium cover with high-quality feel
- Low installation depth (approx. 45 mm)
- Simple mounting from above, retrofitting possible too

KAPSA power strips

KAPSA; 3-way: Power socket outlets	Length: approx. 204 mm
Aluminium profile, anodised, power input 2.0 m cable with end sleeves and included mounting plug, black	
927.000	· 3 x socket outlets with earthing contact, shuttered, black, set at 35°
927.003	· 3 x UTE/French socket outlets, shuttered, black, set at 35°

KAPSA; 3-way: Power socket outlets + 1 x USB double charger (5.2 V/2.15 A)	Length: approx. 204 mm
Aluminium profile, anodised, power input 2.0 m cable with end sleeves and included mounting plug, black	
927.001	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
927.004	· 2 x UTE/French socket outlets, shuttered, black, set at 35°

KAPSA; 3-way: Power socket outlets + 1 x custom module	Length: approx. 204 mm
Aluminium profile, anodised, power input 2.0 m cable with end sleeves and included mounting plug, black	
927.002	· 2 x socket outlets with earthing contact, shuttered, black, set at 35°
927.005	· 2 x UTE/French socket outlets, shuttered, black, set at 35°

Note: Housing only, cover must be ordered separately

KAPSA covers

Article no.	Version
KAPSA cover	
927.100	· Made from aluminium, in stainless steel look
KAPSA cover, black	
927.101	· Made from aluminium, painted black, similar to RAL9005
KAPSA cover, white	
927.102	· Made from aluminium, painted white, similar to RAL9010
KAPSA cover, anodised	
927.103	· Made from anodised aluminium, E6/EV1

Other colour versions available on request
You will find custom modules on page 46

SMART PLUG/FLAT PLUG

Flat plug for safety and convenience

The SMART PLUG/FLAT PLUG allows optimum use to be made of limited space behind cupboards, in the kitchen or office. The plug fits all common flush power socket systems. When plugged in, it lies neatly on the socket outlet and thereby allows power to be used in very tight spaces. When using the SMART PLUG/FLAT PLUG, devices or furniture can be located very close to the wall. When visible in the room, the flat shape makes a bold design statement.

Unwieldy plugs which are hard to release are instantly a thing of the past. Thanks to the smart lever function of the SMART PLUG with ejection mechanism, the plug can be pulled out with little effort, thereby ensuring convenient unplugging of devices.

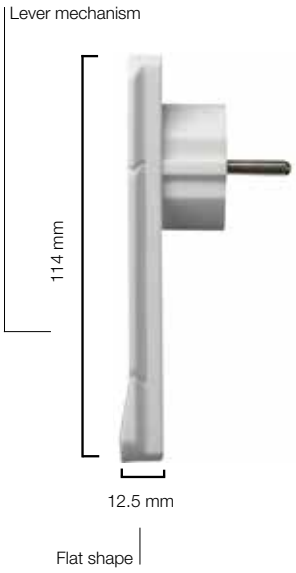
The benefits at a glance

- Flat shape, design with straight lines
- Fits all common flush socket outlet systems
- Allows power to be used in very tight spaces, especially behind furniture
- Quality, VDE-approved flat plug
- Smart lever function means that little force has to be applied and plug can be loosened with ease
- Earthing contact plug CEE 7/7

SMART PLUG

Flat plug with ejection mechanism

Article no.	Version
SMART PLUG	
Mounting plug – can be reconnected, without a cable	
933.008	· With lever and/or ejection mechanism · VDE-approved · Colour: Black
933.009	· With lever and/or ejection mechanism · VDE-approved · Colour: White
With 1.5 m H05VV-F 3G 1.5/earthing contact coupling	
933.012	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.013	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White
With 3.0 m H05VV-F 3G 1.5/earthing contact coupling	
933.010	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.011	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White
With 1.6 m H05VV-F 3G 1.5/3-way tabletop power strip	
933.014	· With lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.015	· With lever and/or ejection mechanism · Components VDE-approved · Colour: White



*) VDE document no. 0040041550 and no. 0040041556

FLAT PLUG

Flat plug without ejection mechanism

Article no.	Version
FLAT PLUG	
Mounting plug – can be reconnected, without a cable	
933.001	· Without lever and/or ejection mechanism · VDE-approved · Colour: Black
933.002	· Without lever and/or ejection mechanism · VDE-approved · Colour: White

With 1.5 m H05VV-F 3G 1.5/10 cm stripped/end sleeves	
933.003	· Without lever and/or ejection mechanism · VDE-approved · Colour: Black
933.004	· Without lever and/or ejection mechanism · VDE-approved · Colour: White

With 1.5 m H05VV-F 3G 1.5/earthing contact coupling	
933.005	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: Black
933.006	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: White

With 1.6 m H05VV-F 3G 1.5/3-way tabletop power strip	
933.007	· Without lever and/or ejection mechanism · Components VDE-approved · Colour: White

Kitchen connection box

The universal assembly aid for connecting hobs and ovens

The kitchen connection box is the universal assembly aid for the kitchen. It is used when a hob and an oven are not installed as a combined appliance. The kitchen connection box serves as a power distributor for separately installed kitchen appliances in order to centrally supply them with power from an existing cooker connection socket. It is available in four different supply cable versions and thereby permits flexible use depending on the situation in the respective kitchen.

It is not necessary to install additional socket outlets, which reduces both the costs and the time required to install the kitchen appliances.

Article no.	Version
Kitchen connection box	
Grey, with screw-mounting eyes, connected load up to 10 kW	
H05VV-F 5G 2.50 mm² for cooker socket	
H05VV-F 4G 2.50 mm² for hob	
H05VV-F 3G 1.50 mm² with socket outlet with earthing contact for oven	
923.000	· Kitchen connection box 2 m · Cooker connection socket 2.0 m; hob 2.0 m and oven 2.0 m
923.001	· Kitchen connection box 5 m · Cooker connection socket 2.0 m; hob 5.0 m and oven 5.0 m
923.0011	· Kitchen connection box 5 m PLUS · Cooker connection socket 5.0 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

The benefits at a glance

- Low built-in depth (approx. 34 mm)
- Power distribution for separately installed kitchen appliances
- Possibility of continuing to use existing cooker connection socket
- Saves costs as no need to fit sockets later
- Rewireable WAGO® terminals
- Can also be used in combination with an induction cooker

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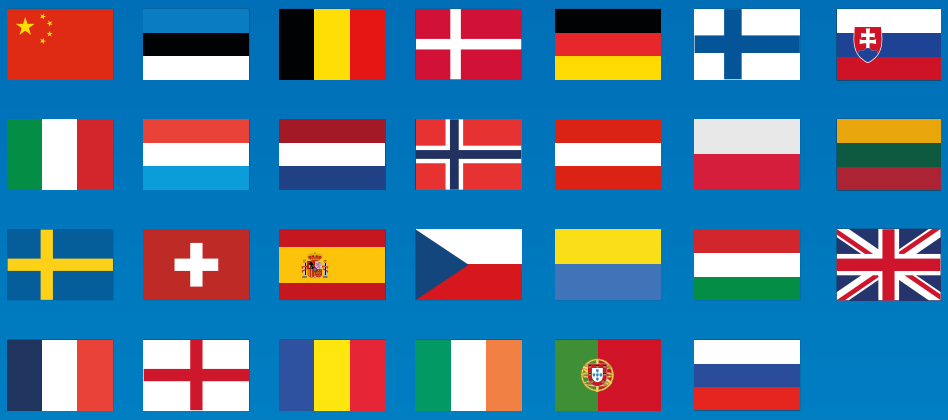

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