

## BM0024766

Datenblatt | Data sheet | Fiche technique

### BN PRO Switched

| Elektrische Kenngrößen                                                                                           |                                      | Electrical parameters                                                                                                |                                      |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Nennstrom / Nennspannung</b><br><b>Frequenz</b>                                                               | 16 A / 230 V~<br>50 / 60 Hz          | <b>Rated current / rated voltage</b><br><b>Frequency</b>                                                             | 16 A / 230 V~<br>50 / 60 Hz          |
| Netzanschluss                                                                                                    |                                      | Power supply                                                                                                         |                                      |
| <b>Zuleitung</b>                                                                                                 |                                      | <b>Supply cable</b>                                                                                                  |                                      |
| Kabeltyp                                                                                                         | H05VV-F                              | Cable type                                                                                                           | H05VV-F                              |
| Länge (in m)                                                                                                     | 3,0                                  | Length (in m)                                                                                                        | 3,0                                  |
| Aderanzahl                                                                                                       | 3                                    | Number of wires                                                                                                      | 3                                    |
| Aderquerschnitt (in mm)                                                                                          | 2,5                                  | Wire diameter (in mm)                                                                                                | 2,5                                  |
| Brandschutzklasse (CPR)                                                                                          | Eca                                  | Fire protection class (CPR)                                                                                          | Eca                                  |
| Zusätzliche Eigenschaften                                                                                        | wiederanschließbar                   | Additional features                                                                                                  | rewireable                           |
| <b>Stecker</b>                                                                                                   | <b>CEE L+N+PE, 6h (230 V / 16 A)</b> | <b>Plug</b>                                                                                                          | <b>CEE L+N+PE, 6h (230 V / 16 A)</b> |
| <b>Kabeleinführung</b><br>Dank Wiederanschließbarkeit im Feld anpassbar<br>zu vertikal und zurück                | frontseitig                          | <b>Cable Entry</b><br>Can be adjusted in the field to vertical and back<br>thanks to being rewirable                 | front facing                         |
| Stromausgang                                                                                                     |                                      | Power output                                                                                                         |                                      |
| <b>24x Combo (C13, C15, C19)</b><br>2-polig mit Schutzkontakt<br>Schwarz, ähnlich RAL 9005, 0°<br>10A 250V~,IP20 | mit Status-LED                       | <b>24x Combo (C13, C15, C19)</b><br>2-pole with earthing contact<br>Black, similar to RAL 9005, 0°<br>10A 250V~,IP20 | with status LED                      |
| Funktionsmodule                                                                                                  |                                      | Function modules                                                                                                     |                                      |
| <b>Netzteil</b><br>im laufenden Betrieb tauschbar<br>Laiensicher                                                 |                                      | <b>Power supply unit</b><br>Can be replaced during operation<br>Safe for laypeople                                   |                                      |
| <b>Schaltbare Steckdosen</b><br>Einzelnschaltbar<br>frei konfigurierbare Einschaltsequenz                        |                                      | <b>Switchable socket outlets</b><br>Individually switchable<br>freely configurable power-up sequence                 |                                      |

| Messung                                                  |                                                                                                                                                                                                                                                                       | Measurement                                                   |                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Messwerte</b>                                         | <ul style="list-style-type: none"> <li>- Strom (A)</li> <li>- Spannung (V)</li> <li>- Frequenz (Hz)</li> <li>- Leistungsfaktor,</li> <li>- Wirk-, Blind- und Scheinleistung,</li> <li>- Wirk-, Blind- und Scheinenergie,</li> <li>- Neutralleiterstrom (A)</li> </ul> | <b>Measured Values</b>                                        | <ul style="list-style-type: none"> <li>- current (A)</li> <li>- voltage (V)</li> <li>- frequency (Hz)</li> <li>- power factor,</li> <li>- active, reactive and apparent power</li> <li>- active, reactive and apparent energy</li> <li>- neutral conductor current (A)</li> </ul> |
| <b>Messgenauigkeit (je Phase und MCB)</b>                | ±1%                                                                                                                                                                                                                                                                   | <b>Measurement accuracy (per Phase and MCB)</b>               | ±1%                                                                                                                                                                                                                                                                               |
| <b>Messung pro Phase</b><br><b>Messung pro Steckdose</b> | jederzeit aufrüstbar per Softwarelizenz                                                                                                                                                                                                                               | <b>Measurement per phase</b><br><b>Measurement per outlet</b> | Upgradeable at any time via software license                                                                                                                                                                                                                                      |

| Weitere Produkteigenschaften                                                                                                                                                     |                                | Further product attributes                                                                                                                                                            |                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Abmessungen (Länge x Breite x Tiefe)</b>                                                                                                                                      | <b>1191 mm x 56 mm x 71 mm</b> | <b>Dimensions (Length x Width x Depth)</b>                                                                                                                                            | <b>1191 mm x 56 mm x 71 mm</b> |
| <b>Material</b><br>Gehäuse:<br>Aluminium, eloxiert<br><br>Abdeckung:<br>PA6 GF30 850°C, schwarz ähnlich RAL 9005                                                                 |                                | <b>Material</b><br>Housing:<br>Aluminium, anodised<br><br>Cover:<br>PA6 GF30 850°C, black similar to RAL 9005                                                                         |                                |
| <b>Lieferumfang</b><br>1x PDU BN PRO Switched<br>1x Universal-Montageset zur Befestigung in Serverracks<br>1x Rahmenblende rot<br>1x Rahmenblende blau<br>1x Bedienungsanleitung |                                | <b>Scope of delivery</b><br>1x PDU BN PRO Switched<br>1x Universal mounting set for mounting in serverracks<br>1x Frame cover red<br>1x Frame cover blue<br>1x Operating instructions |                                |
| <b>Verpackung</b><br>Im Karton                                                                                                                                                   |                                | <b>Packaging</b><br>In carton                                                                                                                                                         |                                |

| Controller                                                                                                                                    |  | Controller                                                                                                                            |                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Hot-Swappable</b><br>Im laufenden Betrieb tauschbar<br>laiensicher<br>vorgenommene Einstellungen bleiben auch nach Tausch erhalten         |  | <b>Hot-Swappable</b><br>Can be replaced during operation<br>Safe for laypeople<br>Settings remain unchanged even after replacement    |                                                                                                          |
| <b>Display</b><br>2,4" TFT-Display (per Software drehbar)<br>Auflösung:                                                                       |  | <b>Display</b><br>2,4" TFT-Display (rotatable via software)<br>Resolution                                                             | 240 x 320 Pixel                                                                                          |
| <b>Netzwerk-Schnittstelle</b>                                                                                                                 |  | <b>Network interface</b>                                                                                                              |                                                                                                          |
|                                                                                                                                               |  | 1x Ethernet<br>1000/100/10 Mbit/s<br>Autosensing                                                                                      | 1x Ethernet<br>1000/100/10 Mbit/s<br>Autosensing                                                         |
|                                                                                                                                               |  | 1x Ethernet<br>10/100 Mbit/s<br>Autosensing                                                                                           | 1x Ethernet<br>10/100 Mbit/s<br>Autosensing                                                              |
| <b>Link-in / Link-out</b><br><b>(Für PDU Cluster Main / Link)</b>                                                                             |  | <b>Link-in / Link-out</b><br><b>(For PDU cluster main / link)</b>                                                                     | 2x RJ45 connectors                                                                                       |
| <b>GPIO-Anschluss</b><br>2x Digitaleingang für potentialfreien Schalter<br>2x Potentialfreier Relais-Ausgang                                  |  | <b>GPIO port</b><br>2x potential-free digital input<br>2x potential-free relay contact                                                | Max. 30 VDC / 2 A                                                                                        |
| <b>Unterstützte Netzwerkprotokolle</b>                                                                                                        |  | <b>Supported network protocols</b>                                                                                                    | IPv4, IPv6, DHCP, DNS, HTTP, HTTPS, SSH2, SNMPv1, SNMPv2, SNMPv3, SNMP Trap, SMTP, NTP, Modbus TCP, LDAP |
| <b>USB</b>                                                                                                                                    |  | <b>USB</b>                                                                                                                            | 1x USB-C                                                                                                 |
| <b>Aufnahme für externen Speicher</b>                                                                                                         |  | <b>External storage slot</b>                                                                                                          | microSD card slot (max. 32 GB)                                                                           |
| <b>Sensoren</b><br>Anschlussmöglichkeit für bis zu zehn externe Sensoren (separat erhältlich):<br>- Temperatur & Luftfeuchtigkeit (BM0011863) |  | <b>Sensors</b><br>Possibility to connect up to ten external sensors (sold separately):<br>- Temperature & Humidity Sensor (BM0011863) |                                                                                                          |

| Umgebungsbedingungen                                                                                                                                                                                                                                      |                | Environmental conditions                                                                                                                                                                                                                                 |                |
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| <b>Maximale Betriebshöhe</b>                                                                                                                                                                                                                              | 3000 m         | <b>Maximum Operating Elevation</b>                                                                                                                                                                                                                       | 3000 m         |
| <b>Umgebungstemperatur bei Montage und Nutzung</b>                                                                                                                                                                                                        | 0 °C – 50 °C   | <b>Ambient temperature during mounting and use</b>                                                                                                                                                                                                       | 0 °C – 50 °C   |
| <b>Umgebungstemperatur bei Transport und Lagerung</b>                                                                                                                                                                                                     | -30 °C – 85 °C | <b>Ambient temperature during transport and storage</b>                                                                                                                                                                                                  | -30 °C – 85 °C |
| <b>Relative Luftfeuchtigkeit (nicht kondensierend)</b>                                                                                                                                                                                                    | 5 – 90%        | <b>Relative humidity (non-condensing)</b>                                                                                                                                                                                                                | 5 – 90%        |
| <b>Schutzart</b>                                                                                                                                                                                                                                          | IP20           | <b>Protection type</b>                                                                                                                                                                                                                                   | IP20           |
| <b>Konformität</b><br>CE,<br>UKCA,<br>DIN EN IEC 62368-1: 2021-05,<br>DIN EN 62053-21: 2017-09,<br>DIN EN IEC 61000-6-2: 2019-11 Class A,<br>DIN EN IEC 61000-6-4: 2020-09 Class A,<br>DIN EN 55024: 2016-05,<br>DIN EN 55032: 2016-02,<br>RoHS,<br>REACH |                | <b>Compliance</b><br>CE,<br>UKCA,<br>DIN EN IEC 62368-1: 2021-05,<br>DIN EN 62053-21: 2017-09,<br>DIN EN IEC 61000-6-2: 2019-11 Class A,<br>DIN EN IEC 61000-6-4: 2020-09 Class A,<br>DIN EN 55024: 2016-05,<br>DIN EN 55032: 2016-02,<br>RoHS,<br>REACH |                |