

## BM0024783

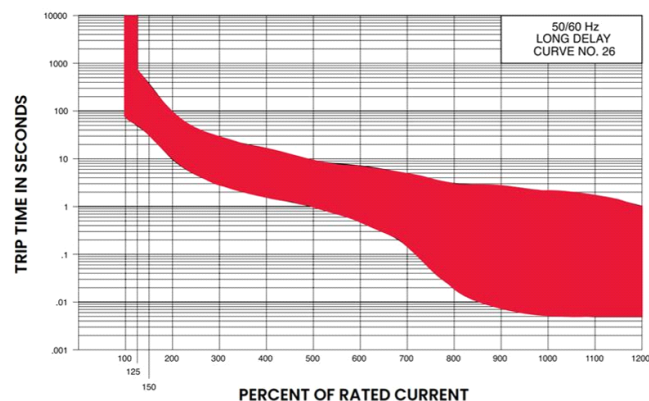
Datenblatt | Data sheet | Fiche technique

### BN PRO Switched

| Elektrische Kenngrößen                                                                                           |                                       | Electrical parameters                                                                                                |                                       |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>Nennstrom / Nennspannung</b><br><b>Frequenz</b>                                                               | 32 A / 400 V~<br>50 / 60 Hz           | <b>Rated current / rated voltage</b><br><b>Frequency</b>                                                             | 32 A / 400 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                                                                                                       | 5                                     | Number of wires                                                                                                      | 5                                     |
| Aderquerschnitt (in mm)                                                                                          | 4,0                                   | Wire diameter (in mm)                                                                                                | 4,0                                   |
| Brandschutzklasse (CPR)                                                                                          | Eca                                   | Fire protection class (CPR)                                                                                          | Eca                                   |
| Zusätzliche Eigenschaften                                                                                        | wiederanschließbar                    | Additional features                                                                                                  | rewireable                            |
| <b>Stecker</b>                                                                                                   | <b>CEE 3L+N+PE, 6h (400 V / 32 A)</b> | <b>Plug</b>                                                                                                          | <b>CEE 3L+N+PE, 6h (400 V / 32 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>36x Combo (C13, C15, C19)</b><br>2-polig mit Schutzkontakt<br>Schwarz, ähnlich RAL 9005, 0°<br>10A 250V~,IP20 | mit Status-LED                        | <b>36x 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<br/>(je Phase und MCB)</b> | ±1%                                                                                                                                                                                                                                                                   | <b>Measurement accuracy<br/>(per Phase and MCB)</b> | ±1%                                                                                                                                                                                                                                                                               |
| <b>Messung pro Phase</b>                      |                                                                                                                                                                                                                                                                       | <b>Measurement per phase</b>                        |                                                                                                                                                                                                                                                                                   |
| <b>Messung pro Leitungsschutzschalter</b>     |                                                                                                                                                                                                                                                                       | <b>Measurement per Miniature Circuit Breaker</b>    |                                                                                                                                                                                                                                                                                   |
| <b>Messung pro Steckdose</b>                  | jederzeit aufrüstbar per Softwarelizenz                                                                                                                                                                                                                               | <b>Measurement per outlet</b>                       | Upgradeable at any time via software license                                                                                                                                                                                                                                      |

| Schutzeinrichtungen                |                                              | Protective devices                     |                                            |
|------------------------------------|----------------------------------------------|----------------------------------------|--------------------------------------------|
| <b>Leitungsschutzschalter (LS)</b> | <b>2x je Phase</b><br>hydraulisch-magnetisch | <b>Miniature Circuit Breaker (MCB)</b> | <b>2x each phase</b><br>hydraulic-magnetic |
| Typ                                |                                              | Type                                   |                                            |
| Bemessungsspannung                 | 240 V~                                       | Rated voltage                          | 240 V~                                     |
| Bemessungsstrom                    | 16 A                                         | Rated current                          |                                            |
| Auslösecharakteristik              | long                                         | Tripping characteristic                | long                                       |



| Weitere Produkteigenschaften                                                                                                                                                        |                                  | Further product attributes                                                                                                                                                               |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Abmessungen</b><br>(Länge x Breite x Tiefe)                                                                                                                                      | <b>1950,3 mm x 56 mm x 71 mm</b> | <b>Dimensions</b><br>(Length x Width x Depth)                                                                                                                                            | <b>1950,3 mm x 56 mm x 71 mm</b> |
| <b>Material</b><br>Gehäuse:<br>Aluminium, eloxiert                                                                                                                                  |                                  | <b>Material</b><br>Housing:<br>Aluminium, anodised                                                                                                                                       |                                  |
| Abdeckung:<br>PA6 GF30 850°C, schwarz ähnlich RAL 9005                                                                                                                              |                                  | Cover:<br>PA6 GF30 850°C, black similar to RAL 9005                                                                                                                                      |                                  |
| Phasen farblich gekennzeichnet<br>(braun, schwarz & grau)                                                                                                                           |                                  | phases color-coded (brown, black & grey)                                                                                                                                                 |                                  |
| <b>Lieferumfang</b><br>1x PDU BN PRO Switched<br>1x Universal-Montageset zur<br>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<br>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                                                                                                                                                                                                                                 |                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <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 |                |