

# BM0015598

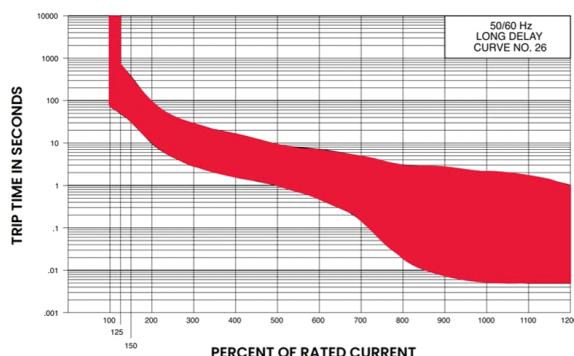
Datenblatt | Data sheet | Fiche technique

## BN PRO Metered RCM

| Elektrische Kenngrößen                    |                                       | Electrical parameters                            |                                       |
|-------------------------------------------|---------------------------------------|--------------------------------------------------|---------------------------------------|
| <b>Nennstrom / Nennspannung</b>           | 32 A / 400 V~                         | <b>Rated current / rated voltage</b>             | 32 A / 400 V~                         |
| <b>Frequenz</b>                           | 50 / 60 Hz                            | <b>Frequency</b>                                 | 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                                   |
| <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> |
| Stromausgang                              |                                       | Power output                                     |                                       |
| <b>24x IEC60320 C13</b>                   |                                       | <b>24x IEC60320 C13</b>                          |                                       |
| 2-polig mit Schutzkontakt                 |                                       | 2-pole with earthing contact                     |                                       |
| Schwarz, ähnlich RAL 9005, 0°             |                                       | Black, similar to RAL 9005, 0°                   |                                       |
| 10A 250V~, IP20                           |                                       | 10A 250V~, IP20                                  |                                       |
| <b>6x IEC60320 C19</b>                    |                                       | <b>6x IEC60320 C19</b>                           |                                       |
| 2-polig mit Schutzkontakt                 |                                       | 2-pole with earthing contact                     |                                       |
| Schwarz, ähnlich RAL 9005, 0°             |                                       | Black, similar to RAL 9005, 0°                   |                                       |
| 16A/250V~, IP20                           |                                       | 16A/250V~, IP20                                  |                                       |
| Funktionsmodule                           |                                       | Function modules                                 |                                       |
| <b>Netzteil</b>                           |                                       | <b>Power supply unit</b>                         |                                       |
| im laufenden Betrieb tauschbar            |                                       | Can be replaced during operation                 |                                       |
| Laiensicher                               |                                       | Safe for laypeople                               |                                       |
| Messung                                   |                                       | Measurement                                      |                                       |
| <b>Messwerte</b>                          |                                       | <b>Measured Values</b>                           |                                       |
|                                           | - Strom (A)                           |                                                  | - current (A)                         |
|                                           | - Spannung (V)                        |                                                  | - voltage (V)                         |
|                                           | - Frequenz (Hz)                       |                                                  | - frequency (Hz)                      |
|                                           | - Leistungsfaktor,                    |                                                  | - power factor,                       |
|                                           | - Wirk-, Blind- und                   |                                                  | - active, reactive and                |
|                                           | Scheinleistung,                       |                                                  | apparent power                        |
|                                           | - Wirk-, Blind- und                   |                                                  | - active, reactive and                |
|                                           | Scheinenergie,                        |                                                  | apparent energy                       |
|                                           | - Neutralleiterstrom (A)              |                                                  | - neutral conductor current (A)       |
| <b>Messgenauigkeit (je Phase und MCB)</b> | ±1%                                   | <b>Measurement accuracy (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> |                                       |

## 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                                       |



|                                        |                                |                                          |                                 |
|----------------------------------------|--------------------------------|------------------------------------------|---------------------------------|
| <b>Differenzstromüberwachung (RCM)</b> | <b>B</b><br>pro Zuleitung      | <b>Residual Current Monitoring (RCM)</b> | <b>B</b><br>per inlet           |
| Typ                                    |                                | Type                                     |                                 |
| Granularität                           |                                | Granularity                              |                                 |
| Messbereich                            | 0 – 32 A,<br><0,2 mA Auflösung | Measurement Range                        | 0 – 32 A,<br><0.2 mA Resolution |
| Frequenzbereich                        | 0 – 2 kHz                      | Frequency Range                          | 0 – 2 kHz                       |

## Weitere Produkteigenschaften      Further product attributes

|                                                                                                                                                                                     |                                  |                                                                                                                                                                                          |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Abmessungen</b><br>(Länge x Breite x Tiefe)                                                                                                                                      | <b>1853,2 mm x 56 mm x 65 mm</b> | <b>Dimensions</b><br>(Length x Width x Depth)                                                                                                                                            | <b>1853,2 mm x 56 mm x 65 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 Metered RCM<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 Metered RCM<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: 240 x 320 Pixel                                                            |  | <b>Display</b><br>2,4" TFT-Display (rotatable via software)<br>Resolution 240 x 320 Pixel                                                      |  |
| <b>Netzwerk-Schnittstelle</b><br>1x Ethernet<br>1000/100/10 Mbit/s<br>Autosensing<br>1x Ethernet<br>10/100 Mbit/s<br>Autosensing                   |  | <b>Network interface</b><br>1x Ethernet<br>1000/100/10 Mbit/s<br>Autosensing<br>1x Ethernet<br>10/100 Mbit/s<br>Autosensing                    |  |
| <b>Link-in / Link-out</b><br><b>(Für PDU Cluster Main / Link)</b><br>2x RJ45 Anschlüsse                                                            |  | <b>Link-in / Link-out</b><br><b>(For PDU cluster main / link)</b><br>2x RJ45 connectors                                                        |  |
| <b>GPIO-Anschluss</b><br>2x Digitaleingang für potentialfreien Schalter<br>2x Potentialfreier Relais-Ausgang<br>Max. 30 VDC / 2 A                  |  | <b>GPIO port</b><br>2x potential-free digital input<br>2x potential-free relay contact<br>Max. 30 VDC / 2 A                                    |  |
| <b>Unterstützte Netzwerkprotokolle</b><br>IPv4, IPv6, DHCP, DNS, HTTP, HTTPS, SSH2, SNMPv1, SNMPv2, SNMPv3, SNMP Trap, SMTP, NTP, Modbus TCP, LDAP |  | <b>Supported network protocols</b><br>IPv4, IPv6, DHCP, DNS, HTTP, HTTPS, SSH2, SNMPv1, SNMPv2, SNMPv3, SNMP Trap, SMTP, NTP, Modbus TCP, LDAP |  |
| <b>USB</b><br>1x USB-C                                                                                                                             |  | <b>USB</b><br>1x USB-C                                                                                                                         |  |
| <b>Aufnahme für externen Speicher</b><br>microSD-Kartenslot (max. 32 GB)                                                                           |  | <b>External storage slot</b><br>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 |                |

Zeichnung

Drawing

