

SmartPDU 40U, 3x63A (44kVA) - Datasheet



ORDER-CODES:

KPMDU-xx-xx-xx-0036-3-63-V

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|---|---|
| Type | KPMDU-RC-xx-xx-0036-3-63-V |
| Rated power, voltage | 44kVA, 400/230V |
| Connector plug | CEE plug(RED) to IEC60309, 5-pin, 63A/230/400V |
| Connection cable | Length 3m, rubber hose cable H07RN-F-5G16 |
| Sockets C13 (IEC60320) | 24 |
| Sockets C19 (IEC60320) | 12 |
| Locking sockets | IEC-LOCK for C13/C19 |
| Fuse circuit breaker with hinged cover (rated current, characteristic, short-circuit current) | 12x 16A C-type, 6kA |
| Current measurement (calibrated) | Integrated, calibrated current measurement, accuracy Class B (MID, EN 50470-3) Minimum current 250mA, maximum current 32A |
| Residual current measurement (RCM) (optional) | Integrated AC/DC sensitive residual current measurement in accordance with IEC 60664-1 ±300mA/100mA (RMS), accuracy <0.2mA Frequency range DC 0..2kHz |
| Connectivity | Ethernet (10/100MBit), PoE Class 3 |
| Kentix system socket (type B) | RJ45 with Kentix-specific assignment for system extensions 2 x digital input (e.g. door contacts, leakage detectors, external alarms) 1 x system BUS |
| Communication and security | HTTPS (certificate), integrated web server, ReSt-API Protocols: SNMP V2/3 (GET, TRAP), NTP, SMTP, DHCP, DNS, MODBUS-TCP |
| Management | Main satellite management via KentixONE |

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| Measurement/communication objects | Voltage (V) L1/L2/L3/Total Current (A) L1/L2/L3/Total Consumption (kWh) L1/L2/L3/Total Active power (W) L1/L2/L3/total Apparent power (VA) L1/L2/L3/total Reactive power (VAR) L1/L2/L3/Total Effective factor (cos phi) Frequency (Hz) Phase monitoring L1/L2/L3 Differential current AC (optional) Differential current DC (optional) Fuse status L1/L2/L3 Temperature (°C) Relative humidity (%) Dew point (°C) Vibration (G) Air quality VOC (AIQ index) |
| Display (LCD) | Illuminated LCD display (power, current, voltage, consumption) |
| Optical signaling | LED with RED/GREEN (operation, alarm/error status) |
| Acoustic signaling | Signal generator with 80dB, 2.3kHz (alarm/fault conditions) |
| Factory state | Button for factory reset (default IP: 192.168.100.226) |
| Power dissipation | approx. 100W (full load) |
| Housing | Sheet metal, powder coated RAL9005, protection class 1, protection class IP20, mounting bracket can be mounted at a distance of 5U |
| Size | 1770 x 78.2 x 62.5 mm (HxWxD) |
| Weight | approx. 13,5kg |
| Environmental conditions | 0°C to 60°C, humidity 5-95%, storage temperature: -20°C to 60°C |
| Certification | CE (2014/30/EC, 2014/35/EC, 2011/65/EU) |
| Electrical safety | DGUV-V3 testing, VDE 0105-100 |
| Marking | Serial number (barcode), additional free labeling area front panel (60x30mm) |

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| Type | KPMDU-RC-xx-xx-0036-3-63-V |
| Scope of delivery | SmartPDU with connection cable 3m and plug, mounting material: 3 90° angle brackets, 12 countersunk screws. M3x15 with hexagon socket 2mm, front foils A/B (ORANGE), test report |
| Accessories | Front foil A (RED) Front foil B (BLUE) |