

SmartPDU 40U, 1x16/32A (up to 7.3kVA) - Datasheet



ORDER-CODES:

KPMDU-RC-2406C13C19-1-32, KPMDU-RC-4800C13C19-1-32, KPMDU-RC-2406C13C19-1-16, KPMDU-RC-4800C13C19-1-16

| Types | KPMDU-RC-2406C13C19-1-32 | KPMDU-RC-4800C13C19-1-32 | KPMDU-RC-2406C13C19-1-16 | KPMDU-RC-4800C13C19-1-16 |
|---|--|--|--|--|
| Rated power, voltage | up to 7,3kVA, 230V | up to 7,3kVA, 230V | up to 3,6kVA, 230V | up to 3,6kVA, 230V |
| Connector plug | CEE plug(BLUE) to IEC60309, 1-pin, 32A/230V | CEE plug(BLUE) to IEC60309, 1-pin, 32A/230V | CEE plug(BLUE) to IEC60309, 1-pin, 16A/230V | CEE plug(BLUE) to IEC60309, 1-pin, 16A/230V |
| Connection cable | Length 3m, rubber sheathed cable H07RN-F-3G6 | Length 3m, rubber sheathed cable H07RN-F-3G6 | Length 3m, rubber sheathed cable H07RN-F-3G2.5 | Length 3m, rubber sheathed cable H07RN-F-3G2.5 |
| Sockets C13 (IEC60320) | 24 | 48 | 24 | 48 |
| Sockets C19 (IEC60320) | 6 | 0 | 6 | 0 |
| Locking sockets | IEC-LOCK for C13/C19 | | | |
| Fuse circuit breaker with hinged cover (rated current, characteristic, short-circuit current) | 6x 16A C-type, 6kA | 6x 16A C-type, 6kA | 3x 10A C-type, 6kA 3x 16A C-type, 6kA | 6x 10A 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) | Integrated AC/DC sensitive residual current measurement in accordance with IEC 60664-1 ±300mA/100mA (RMS), accuracy <0.2mA Frequency range DC 0..2kHz | | | |
| Type 3 overvoltage protection (optional) | Transverse longitudinal voltage protection in accordance with IEC 61643-11 Pluggable protection modules, discharge capacity per pole: In= 5 kA; I _{max} = 15 kA Monitored by KentixONE, AC mains form: TN ART: KPMDU-xxSD-xxxxC13C19-x-x | | | |
| 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 | | | |
| 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 Differential current DC 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) | | | |

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|---------------------------------|--|--------------------------|--------------------------|--------------------------|
| Power dissipation | max. 40W (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. 10,5kg | | | |
| 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 | DGVV-V3 testing, VDE 0105-100 | | | |
| Marking | Serial number (barcode), additional free marking area front panel (60x30mm) | | | |