

# 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
<b>Rated power, voltage</b>	up to 7,3kVA, 230V	up to 7,3kVA, 230V	up to 3,6kVA, 230V	up to 3,6kVA, 230V
<b>Connector plug</b>	CEE plug( <b>BLUE</b> ) to IEC60309, 1-pin, 32A/230V	CEE plug( <b>BLUE</b> ) to IEC60309, 1-pin, 32A/230V	CEE plug( <b>BLUE</b> ) to IEC60309, 1-pin, 16A/230V	CEE plug( <b>BLUE</b> ) to IEC60309, 1-pin, 16A/230V
<b>Connection cable</b>	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
<b>Sockets C13 (IEC60320)</b>	24	48	24	48
<b>Sockets C19 (IEC60320)</b>	6	0	6	0
<b>Locking sockets</b>	IEC-LOCK for C13/C19			
<b>Fuse circuit breaker with hinged cover</b> (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
<b>Current measurement (calibrated)</b>	Integrated, calibrated current measurement, accuracy Class B (MID, EN 50470-3) Minimum current 250mA, maximum current 32A			
<b>Residual current measurement (RCM)</b>	Integrated AC/DC sensitive residual current measurement in accordance with IEC 60664-1 ±300mA/100mA (RMS), accuracy <0.2mA Frequency range DC 0..2kHz			
<b>Type 3 overvoltage protection (optional)</b>	Transverse longitudinal voltage protection in accordance with IEC 61643-11 Pluggable protection modules, discharge capacity per pole: In= 5 kA; I <sub>max</sub> = 15 kA Monitored by KentixONE, AC mains form: TN ART: <b>KPMDU-xxSD-xxxxC13C19-x-x</b>			
<b>Connectivity</b>	Ethernet (10/100MBit), PoE Class 3			
<b>Kentix system socket (type B)</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			
<b>Communication and security</b>	HTTPS (certificate), integrated web server, ReSt-API Protocols: SNMP V2/3 (GET, TRAP), NTP, SMTP, DHCP, DNS, MODBUS-TCP			
<b>Management</b>	Main satellite management via KentixONE			
<b>Measurement/communication objects</b>	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)			
<b>Display (LCD)</b>	Illuminated LCD display (power, current, voltage, consumption)			
<b>Optical signaling</b>	LED with RED/GREEN (operation, alarm/error status)			
<b>Acoustic signaling</b>	Signal generator with 80dB, 2.3kHz (alarm/fault conditions)			
<b>Factory state</b>	Button for factory reset ( <b>default IP: 192.168.100.226</b> )			

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<b>Power dissipation</b>	max. 40W (full load)			
<b>Housing</b>	Sheet metal, powder coated RAL9005, protection class 1, protection class IP20, mounting bracket can be mounted at a distance of 5U			
<b>Size</b>	1770 x 78.2 x 62.5 mm (HxWxD)			
<b>Weight</b>	approx. 10,5kg			
<b>Environmental conditions</b>	0°C to 60°C, humidity 5-95%, storage temperature: -20°C to 60°C			
<b>Certification</b>	CE (2014/30/EC, 2014/35/EC, 2011/65/EU)			
<b>Electrical safety</b>	DGVV-V3 testing, VDE 0105-100			
<b>Marking</b>	Serial number (barcode), additional free marking area front panel (60x30mm)			