

cXale SmartPDU 40U, 3x16/32A (up to 22kVA) - Datasheet



ORDER-CODES:

[KPMDU-xx-xx-xx-1818-3-32-V](#), [KPMDU-xx-xx-xx-1818-3-16-V](#), [KPMDU-xx-xx-xx-1818-1-32-V](#)

Types	KPMDU-xx-xx-xx-1818-3-32-V	KPMDU-xx-xx-xx-1818-3-16-V
Rated power, voltage	up to 22kVA, 230V	up to 11kVA, 230V
Connector plug	CEE plug (RED) according to IEC60309, 5-pole, 32A/230/400V	CEE plug (RED) according to IEC60309, 5-pole, 16A/230/400V
Connection cable	Length 3m, rubber cable H07RN-F-5G6 Cable inlet on PDU can be swiveled $\pm 45^\circ$	Length 3m, rubber cable H07RN-F-5G2.5 Cable inlet on PDU can be swiveled $\pm 45^\circ$
Sockets C13 (IEC60320)	18	18
Combined socket outlets Cx(C13, C15, C19, C21) IEC60320)	18	18
Locking sockets	IEC-LOCK for C13/Cx	
Fuse circuit breaker with hinged cover (rated current, characteristic, short-circuit current)	6x 16A C-type, 10kA	3x 10A C-type, 10kA 3x 10A C-type, 10kA
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 $\pm 300\text{mA}/100\text{mA}$ (RMS), Accuracy $< 0.2\text{mA}$ 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 detector, ext. 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	

Types	KPMDU-xx-xx-xx-1818-3-32-V	KPMDU-xx-xx-xx-1818-3-16-V
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 Power quality harmonics (%) THD U/I – L1/L2/L3 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)	
Power dissipation	max. 40W (full load)	
Housing	Sheet metal, powder-coated RAL9005, protection class 1, protection rating IP20, mounting bracket can be mounted at 5U intervals	
Size	1750 x 55.5 x 63 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	DGUV-V3 testing, VDE 0105-100	
Marking	Serial number (barcode), additional free marking area on front panel (55x30mm)	