

cXale SmartPDU 40U, (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	KPMDU-xx-xx-xx-1818-1-32-V
Rated power, voltage	up to 22kVA, 230V	up to 11kVA, 230V	up to 7.3kVA, 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	CEE plug(blue) to IEC60309, 5-pin, 32A/230V
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 $\pm 45^\circ$	Length 3m, rubber cable H07RN-F-3G6 Cable inlet on PDU can be swiveled $\pm 45^\circ$
Sockets C13 (IEC60320)	18	18	18
Combined socket outlets Cx (C13, C15, C19, C21 IEC60320)	18	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	6x 10A C-type, 10kA	6x 16A 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), optional	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 Only in types KPMDU-RC-... integrated		
Combination sockets Cx (C13, C15, C19, C21 IEC60320) switchable, optional	18, individually switchable (bistable relays) with LED Only in types KPMDU-RC-SW-... integrated		
Overvoltage protection, optional	Modular surge arrester type 2+3, rated discharge impulse current (8/20 μs) 20kA, max. discharge impulse current (8/20 μs) 40kA. Leakage surge current (8/20 μs) 40kA Only integrated in types KPMDU-RC-...-SP-... integrated		
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, 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		

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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 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 Backup 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		
Size	1750 x 55.5 x 63 mm (HxWxD)		
Weight	approx. 8kg		
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 on front panel (55x30mm)		