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▶ # PDU metered – DK 7979.232

Date : Dec 17, 2020

Product description

Description:	High-end power distribution in a compact design for IT network and server racks. With power measurement at the infeed or per phase.
Benefits:	For vertical mounting, it may be attached in the zero-U space of the Rittal VX IT or TS IT rack with no need for tools Colour coding of phases and fuse circuits (L1=pink, L2=black, L3=white) Tool-free divider kit for VX IT PDU self-supplied, no external power supply required Measurement accuracy ± 1% (kWh) to IEC 50430-1 Integral real-time clock with battery buffering (max. 10 years, battery replaceable) Integral electromagnetic buzzer for acoustic alarms Adjustable limit values (warning/alarm) for voltage, current, output Operating hours meter, total and cyclical, resettable Power-saving design, minimal intrinsic power consumption
Technical specifications:	Display/controller unit in the PDU enclosure rotatable through 180° and replaceable Integral, fully-redundant power pack, power supply from all phases Error-tolerant PDU power supply redundant across all phases Voltage V, current A, frequency Hz Active power, active energy, apparent power, apparent energy Power factor (cosPhi) and phase angle Zero conductor current measurement/load imbalance detection Fuse monitoring for PDUs with integral fuse Bright TFT display, 128 x 128 pixels (RGB) with back-lighting and energy-saving mode to display output data and basic PDU configuration Position sensors for display rotation and correct PDU representation on the website Power LED to indicate voltage
Measurement functions:	Measurement per phase or infeed Powerful CPU (ARM Cortex A8) Digital input (floating contact) Additional alarm output/relay output (changeover contact)
Material:	Aluminium section, black anodised Slots: Plastic

Protection category IP to IEC 60 529:	IP 20
Standards:	EN 62368-1
	EN 61000-3
	EN 61000-4
	EN 61000-6
	EN 62053-21
Directives:	EMC Directive 2014/30/EU
	Low Voltage Directive 2014/35/EU
Supply includes:	Assembly parts
Options:	Type 3 overvoltage protection with interchangeable arresters while operational, with status monitoring, suitable for integration into PDU enclosure
	Residual current measurement (type B) per infeed/phase/fuse
	Monitoring of the optionally available overvoltage protection
	CMC III CAN bus sensors may be connected for ambient monitoring, max. 8 sensors
	Other enclosure colours are available

Product features

Variant:	Measurement per phase
Sockets:	6 x C 13
	6 x C 19
To fit:	Enclosure type: VX IT enclosure frame
	Enclosure type: VX IT 19" mounting angles
	Height: ≥ 1200 mm
	Height: ≥ 1800 mm
Dimensions:	Width: 44 mm
	Depth: 70 mm
	Length: 1095 mm
Rated operating voltage:	400 V (AC)
Infeeds:	Qty.: 1
	Phases per infeed: 3~
Length of connection cable:	3 m
Ambient conditions:	Operating temperature: +5 °C...+50 °C
	Storage temperature: -20 °C...+70 °C
	Ambient humidity (non-condensing): 10 % - 95 %
Type of electrical connection:	CEE
Rated current (max.):	16 A
Output:	11 kW

Interfaces:	USB 2.0 port (USB-A) for mass configuration, firmware updates & data logging CAN bus interface (RJ 45) for a maximum of 8 ambient sensors Serial interface RS232 (RJ12) for LTE unit, scripting, CLI Use of own certificates/TLS 1.2 E-mail forwarding in case of alarm (SMTP) User administration including rights management LDAP(S)/Radius/Active Directory connection Syslog server connection (max. 2 servers) Fully redundant monitoring via 2nd network Network protocol: Web server (HTTP, HTTPS, SSL) SSH, Telnet, NTP Network protocol: TCP/IP v4 & v6, DHCP, DNS Network protocol: SNMP v1, v2c & v3, Modbus/TCP, OPC-UA Network protocol: MIB for linking into 3rd party DCIM software Network protocol: FTP/SFTP (update/file transfer)
Packs of:	1 pc(s).
Copper weight (kg per piece):	0
EAN:	4028177947726
Customs tariff number:	85369095
ETIM 7.0:	EC000330
ETIM 6.0:	EC000330
eCl@ss 8.0/8.1:	27142604
eCl@ss 6.0/6.1:	27142604
Product description:	PDU metered 16A/3P CEE 6xC13+6xC19, DK PDU metered, Compact basic power distributor incl. energy mearsuremnt per phase, with network interface and display, WHD: 44x1095x70 mm

Approvals

Declarations:	Declaration of conformity