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PDU metered – DK 7979.216

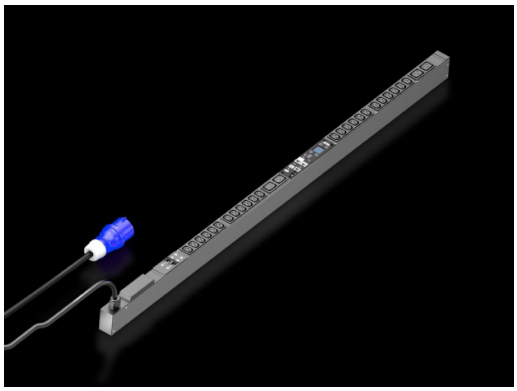
Date : Jul 5, 2021

ENCLOSURES POWER DISTRIBUTION CLIMATE CONTROL IT INFRASTRUCTURE SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

PDU metered – DK 7979.216

created: 05.07.2021 on www.rittal.com/com-en



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 EN 62 053-21 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 Compact circuit-breaker (16 A - Carling type) 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 description

Variant:	Measurement per phase
Sockets:	24 x C 13 4 x C 19
To fit:	Enclosure type: VX IT enclosure frame Enclosure type: VX IT 19" mounting angles Height: ≥ 1800 mm Height: ≥ 1800 mm
Dimensions:	Width: 44 mm Depth: 70 mm Length: 1495 mm
Rated operating voltage:	230 V (AC)
Infeeds:	Qty.: 1 Phases per infeed: 1~
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 %
Circuit-breaker 16 A (qty.):	2
Type of electrical connection:	CEE

Rated current (max.):	32 A
Output:	7.4 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).
Weight/pack:	5.22 kg
Copper weight (kg per piece):	0
EAN:	4028177947696
Customs tariff number:	85366990
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 32A/1P CEE 24xC13+4xC19, DK PDU metered, Compact basic power distributor incl. energy mearsuremnt per phase, with network interface and display, WHD: 44x1495x70 mm

Approvals

Certificates:	EAC
Declarations:	Declaration of conformity