Rittal – The System.

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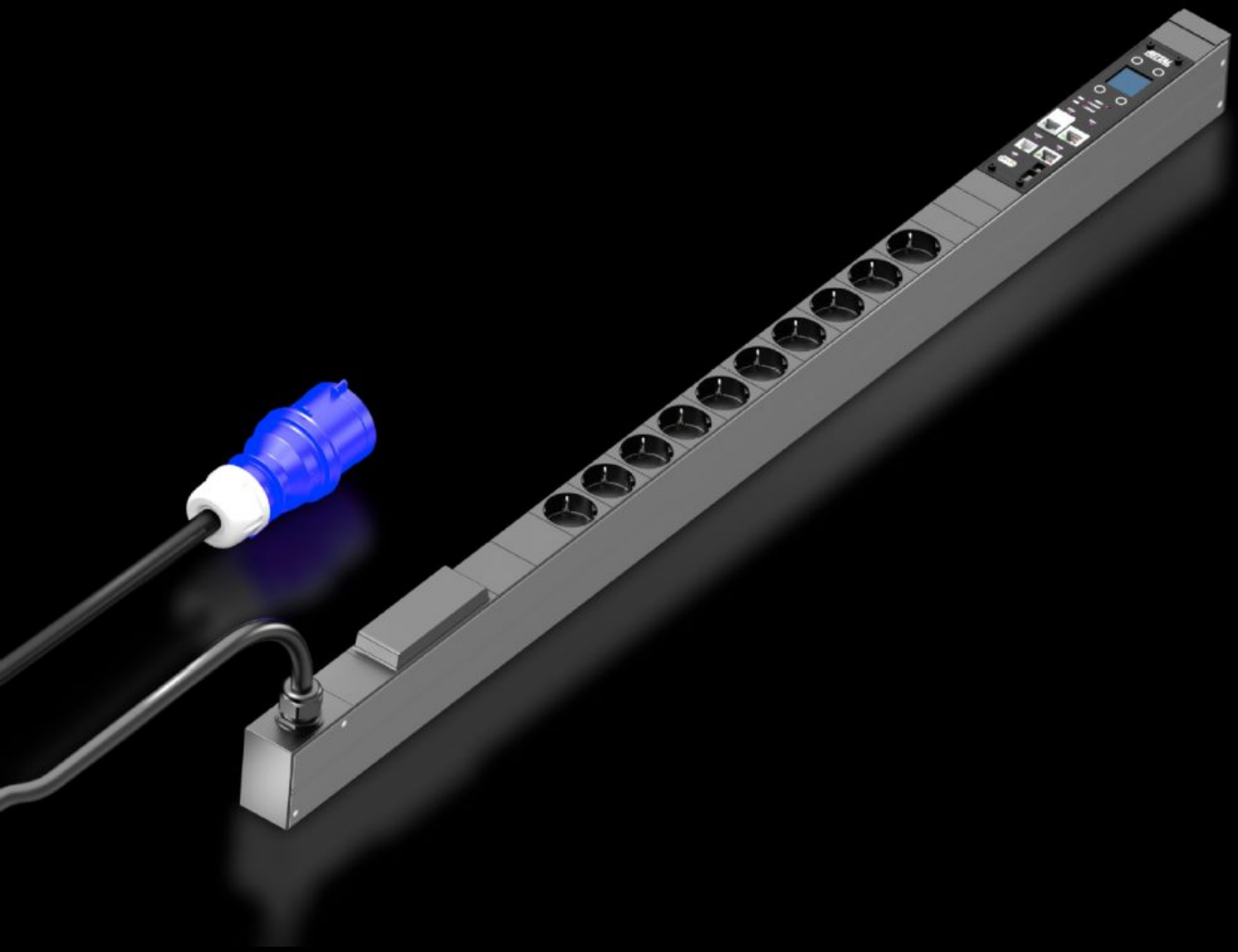

DK 7979.211

PDU metered

Stand: 13/09/2022 (Quelle: rittal.com/uk-en)

DK 7979.211 - PDU metered

High-end IT rack power distribution: Smart PDU with energy measurement per phase, i.e. output requirement of an entire IT rack



Eigenschaften

Model No.	DK 7979.211
Product 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
Material	Aluminium section, black anodised Slots: Plastic
Supply includes	Assembly parts

Eigenschaften

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
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, description	Measurement per phase or infeed Powerful CPU (ARM Cortex A8) Digital input (floating contact) Additional alarm output/relay output (changeover contact)
Dimensions	Width: 44 mm Depth: 70 mm Length: 1,095 mm
No. of sockets and type	10 x earthing-pin (type F, CEE 7/3)
Rated operating voltage	230 V (AC)
Rated current (max.)	16 A
Power consumption	3.7 kW
Infeeds	Qty.: 1 Phases per infeed: 1~

Eigenschaften

Length of connection cable	3 m
Type of electrical connection	CEE
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 Fully redundant Ethernet interface 10/100/1000 Mbit/s
Directives	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU
Standards	EN 62368-1 EN 61000-3 EN 61000-4 EN 61000-6 EN 62053-21
Protocols	Web server (HTTP, HTTPS, SSL) SSH, Telnet, NTP TCP/IP v4 & v6, DHCP, DNS SNMP v1, v2c & v3, Modbus/TCP, OPC-UA MIB for linking into 3rd party DCIM software FTP/SFTP (update/file transfer)
Operating temperature range	5 °C...50 °C
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-20 °C...70 °C
To fit	Enclosure type: VX IT enclosure frame: ≥ 1,200 mm Enclosure type: VX IT 19" mounting angles: ≥ 1,800 mm
Packs of	1 pc(s).
Copper weight (kg per piece)	0
Customs tariff number	85366990

Eigenschaften

EAN	4028177947641
ETIM 7.0	EC000330
ECLASS 8.0	27142604

Approbationen

Zertifikate	EAC
Erklärungen	Declaration of conformity Declaration of conformity UK

Rittal PDU metered, Model No.: DK 7979.211