

Rittal – The System.

Faster – better – everywhere.



DK 7979.513 PDU metered plus

State: 5/26/2026 (Source: rittal.com/us-en)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7979.513 - PDU metered plus

High-end IT rack power distribution: intelligent PDU with energy measurement per output slot, i.e. output requirement of individual consumers.



Features

Model No.	DK 7979.513
Product description	High-end power distribution in compact design for IT network and server racks. With energy measurement per single output slot.
Benefits	<p>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</p> <p>Color coding of phases and backup circuits (L1 = pink, L2 = black, L3 = white)</p> <p>Tool-free installation kit for VX IT</p> <p>Self-powered PDU, no external power supply necessary</p> <p>Measurement accuracy $\pm 1\%$ (kWh) according to EN 62 053-21</p> <p>Integrated real-time clock with battery buffering (max. 10 years, battery replaceable)</p> <p>Integrated electromagnetic buzzer for acoustic alarm</p> <p>Adjustable limit values (warning/alarm) for current, voltage, output, individual settings for each output slot</p> <p>Energy-saving design, low energy consumption</p>

Features

Technical specifications	<p>Display/controller unit in PDU enclosure, 180° rotation, replaceable</p> <p>Integrated, fully redundant power supply, power supply from all phases</p> <p>Fault-tolerant PDU power supply redundant across all phases</p> <p>Voltage V, current A, frequency Hz</p> <p>Active power, active energy, apparent power, apparent energy</p> <p>Power factor (cosPhi) and phase angle</p> <p>Neutral conductor measurement/load imbalance detection</p> <p>Fuse monitoring for PDUs with integrated fuse</p> <p>Bright TFT display 128 x 128 pixels (RGB) with back-lighting and energy-saving mode (display of output data and PDU configuration)</p> <p>Position sensors for display rotation and correct PDU display on the website</p> <p>Multi-colored LEDs (green/amber/red) to indicate switching states and limits per individual output slot</p> <p>Power LED for indicating voltage</p>
Material	<p>Aluminum section, black anodized</p> <p>Slots: plastic</p>
Supply includes	<p>Assembly components</p>
Options	<p>Type 3 overvoltage protection with interchangeable arresters while operational, with status monitoring, suitable for integration into PDU enclosure</p> <p>Differential current measurement (type B) per infeed/phase/fuse</p> <p>Monitoring of the optional overvoltage protection</p> <p>CMC III CAN bus sensors may be connected for ambient monitoring, max. 16 sensors</p> <p>Other enclosure colors possible</p>
Measurement functions, description	<p>Measurement per phase or infeed</p> <p>Additional measurement per output slot</p> <p>Powerful CPU (ARM Cortex A8)</p> <p>Digital input (floating contact)</p> <p>Additional alarm output/relay output (changeover contact)</p>
Dimensions	<p>Width: 44 mm</p> <p>Depth: 70 mm</p> <p>Length: 1,095 mm</p> <p>Width: 1.73 "</p> <p>Depth: 2.76 "</p> <p>Length: 43.1 "</p>

Features

Number of sockets and type	12 x C13 / 4 x C19
Outlets	12 x C 13 4 x C 19
Rated operating voltage	230 V (AC)
Rated current (max.)	32 A
Rated power	7.4 kW
Infeeds	Qty.: 1 Phases per infeed: 1~
Length of connection cable	3 m 118 "
Type of connection (electrical)	CEE
Interfaces	USB 2.0 port (USB-A) for bulk configuration, firmware update & data logging CAN bus interface (RJ45) for a maximum of 16 ambient sensors RS232 serial interface (RJ12) for LTE unit, scripting, CLI Use of own certificates/TLS 1.2 Email sending in case of alarm (SMTP) User management including rights management LDAP(S)/Radius/Active Directory connection Syslog server connection (maximum 2 servers) Fully redundant Ethernet interface 10/100/1000 Mbit/s
Number RJ45 ports for sensor units max	2
Guidelines	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 use in 3rd party DCIM software FTP/SFTP (update/file transfer)

Features

Operating temperature range	5 °C...50 °C 41 °F...122 °F
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-20 °C...70 °C -4 °F...158 °F
Suitable for	Enclosure type: VX IT enclosure frame: ≥ 1,200 mm Enclosure type: VX IT 19" profile rails: ≥ 1,800 mm Enclosure type: VX IT enclosure frame: ≥ 47.2 " Enclosure type: VX IT 19" profile rails: ≥ 70.9 "
Packaging unit	1 pc(s).
Net weight	4.5 kg
Gross weight	4.5 kg
Customs tariff number	85366990
ETIM 9	EC002762
ETIM 8	EC002762
ECLASS 8.0	27142604
Product description	DK PDU metered+, compact basic power distribution incl. energy measurement per output, with network interface and display, WLD: 44x1095x70 mm, IEC 60 320: 12x C13, 4x C19

Approvals

Approvals	TÜV
Explanations	Declaration of conformity