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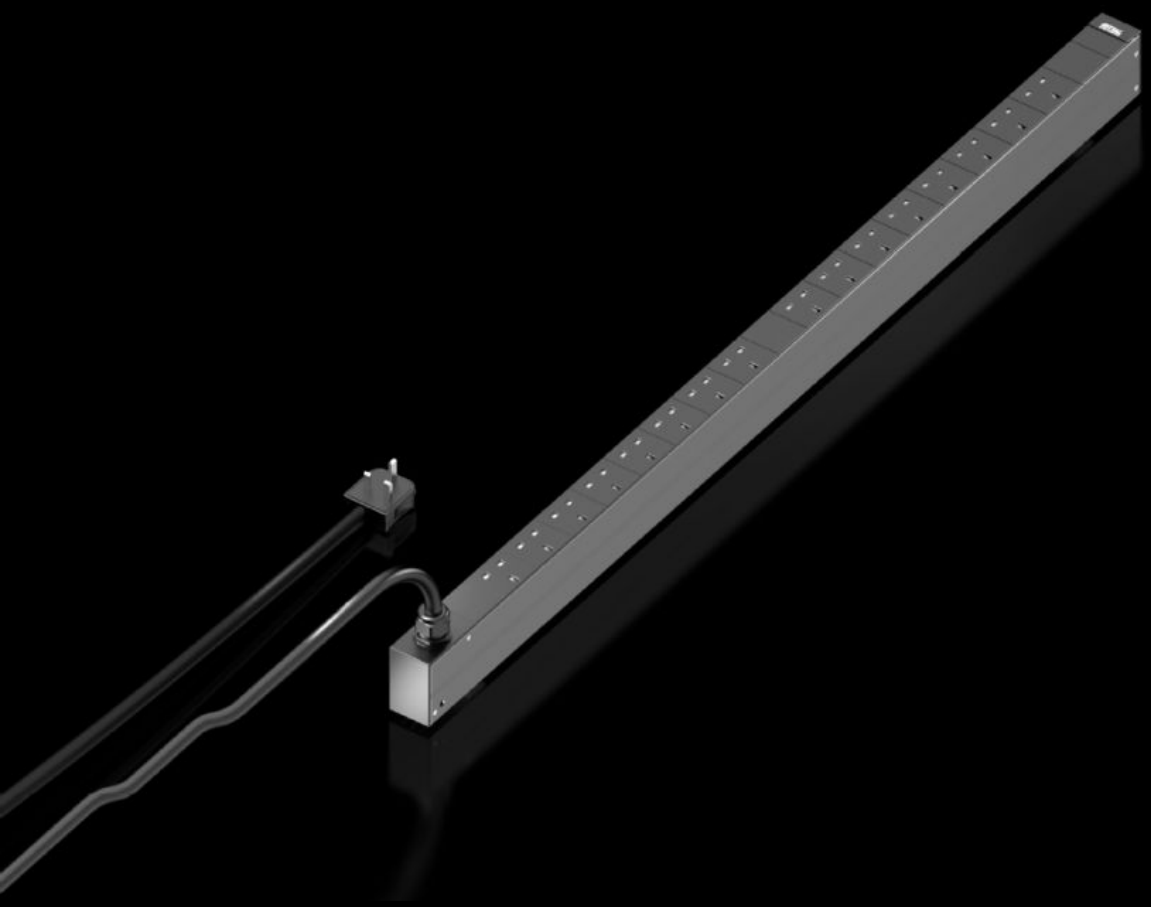

DK 7979.813

PDU UK basic

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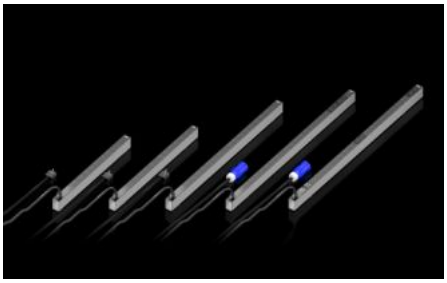
ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

DK 7979.813 - PDU UK basic

The power distributor is specifically designed for data centres and free-standing racks with UK (BS 1363) connectors.



Features

Model No.	DK 7979.813
Design	Basic UK
Product description	High-end power distribution in a compact design for IT network and server racks. Depending on the design, they come with an extensive range of management functions for energy measurement and monitoring.
Benefits	Tool-free divider kit for VX IT Power-saving design, minimal intrinsic power consumption
Technical specifications	Colour coding of phases and fuse circuits (L1=pink, L2=black, L3=white)
Material	Aluminium section, black anodised Slots: Plastic
Supply includes	Assembly parts
Options	Type 3 overvoltage protection with interchangeable arresters while operational, with status monitoring, suitable for integration into PDU enclosure Type 3 overvoltage protection with interchangeable arresters while operational, with status monitoring, suitable for integration into PDU enclosure
Dimensions	Width: 44 mm Depth: 70 mm Length: 1,095 mm

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Features

No. of sockets and type	16 x BS 1363
Sockets	16 x BS 1363
Rated current (max.)	13 A
Power consumption	3 kW
Infeeds	Qty.: 1 Phases per infeed: 1~
Length of connection cable	3 m
Type of electrical connection	UK
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
Operating temperature range	5 °C...50 °C
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-25 °C...70 °C
To fit	Enclosure type: VX IT enclosure frame: ≥ 1,200 mm Enclosure type: VX IT 19" mounting angles: ≥ 1,800 mm Enclosure type: TX CableNet: ≥ 1,200 mm
Packs of	1 pc(s).
Net weight	3.4 kg
Gross weight	3.9 kg
Customs tariff number	85366990
ETIM 9	EC000330
ETIM 8	EC002762
ECLASS 8.0	27142604

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Features

Product description	DK PDU UK basic, compact basic power distribution, WLD: 44x1095x70 mm, 16x BS 1363, 230 V, 1~, 13 A

Approvals

Explanations	Declaration of conformity

Tender text

Rittal PDU Basic UK Model No.: DK 7979.813

Compact power distributor for deployment in IT server and network enclosures. Vertical installation in the Zero-U space using the supplied universal brackets for common IT racks. Suitable for tool-free quick assembly in the Rittal VX IT and TS IT racks using the special supplied plug-%-play fastener. Robust aluminium housing with permanently mounted output slots, IEC 60320/C13 or IEC 60320/C19 as well as CEE 7/3 (earthing-pin) and BS 1363 (UK), depending on the type (see below for details). The IEC C13 / C19 output slots can be protected with a lock against unintentional removal of the connectors. Unused slots can be closed wicht slot covers available as accessories.This precludes an unintentional overloading of individual phases an circuits. The fuse circuits and phases are colour-coded for multiphase PDU variants. A fixed-mounted connection cable with IEC C20 or CEE connector appropriate for the variant makes the PDU available for immediate deployment.
Optinally, an overvoltage protection module (type3) can be placed on the PDU at the infeed; the overvoltage protection module is equipped with arrestors that can be replaced during operation. For intelligent PDUs, the

status is monitored via the network interface, the PDU basic has a floating alarm contact for monitoring the overvoltage protection. As option, intelligent PDU variants can be supplied with an AC/DC sensitive residual current measurement (RCM type B) with up to 6 measurement points. This changes the PDU length and the number of installed slots for each standard length.

Technical specifications basic
Input voltage range (L/N/PE): 230 VAC, 50-60Hz
input current: 13A
No. of phases: 1
Marking of phases (3-phase PDU only L1, L2, L3):
Rittal Power Pink, black, white
Number of slots type BS1363 (total): 16
No. of circuit brakers: -
Hydraulic-magnetic protective circuit-breaker: 16 A
Connector PDU input: BS1363
Length of connection cable: 3m
Connection cable type: H05-VV
No. of wires: 3
Cable cross-section: 1,5 mm²
PDU housing width: 44mm
PDU housing depth: 70mm
PDU housing height: 1095mm
PDU material: Aluminium, anodised, in RAL 9005 (black)<(>,<)>
other colours available on request
PDU mounting adaptor (VX IT / TS IT)-Mounting options:
Frame+Zero-Uspace+cable route, fuse monitoring
Conformity: CE
Standards:
Safety: EN 62368
EMC:
EN 55022 / B
EN 61000-4-2
EN 61000-4-3
EN 61000-6-2
EN 61000-6-3
Low Voltage Directive: 2014/35/EU
EMC Directive: 2014/30/EU
MTBF (at 40°C) 100.000 hours
Protection category: IP20 (EN 60529)

Protection class: Class 1
Pollution degree: 2
Overvoltage category: II
Environmental properties: 2011/65/EU (RoHS 2), WEEE
Storage temperature: -20 °C to +70 °C
Ambient temperature: +5°C to +50°C
Ambient humidity 10 - 95% rel. humidity, non-condensing
Operating altitude (max. above mean sea level): 3000 m
Connector lock for C14 and C20 connectors:
1x (further connector locks optional - DK 7979.020)
Covers C13 (optional accessory): DK 7955.010
Covers C19 (optional accessory): DK 7955.015
Type: Rittal PDU basic, Model No.: DK 7979.813

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