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DK 7979.140

PDU basic

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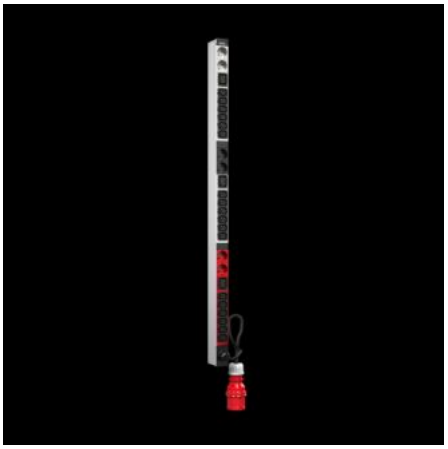
ENCLOSURES | POWER DISTRIBUTION | CLIMATE CONTROL | IT INFRASTRUCTURE | SOFTWARE & SERVICES

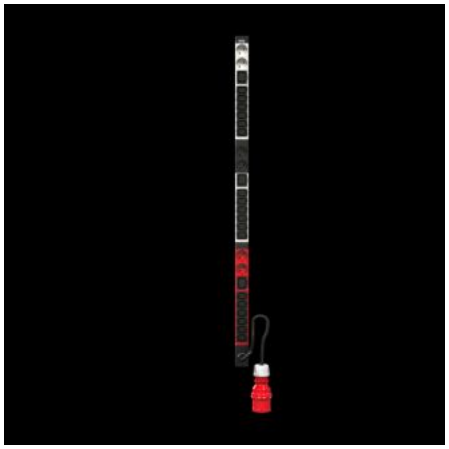
FRIEDHELM LOH GROUP

DK 7979.140 - PDU basic

High-end IT rack power distribution: Robust PDU with compact basic power distribution for the IT environment.







Features

Model No.	DK 7979.140
Design	PDU Basic
Product description	Compact basic power distribution. Thanks to the PDU basic, any IT rack can easily be equipped with a professional power distribution system. Depending on the PDU design, horizontal mounting in the 482.6 mm (19") level or vertical mounting (including in the zero-U space) is possible.
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
Material	Extruded aluminium section, anodised Slots: Plastic
Supply includes	Connector lock for IEC C14 and C20 connectors Assembly parts
Options	Type 3 overvoltage protection with interchangeable arresters while operational, with status monitoring, suitable for integration into PDU enclosure Other enclosure colours are available

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Features

Dimensions	Width: 44 mm Depth: 70 mm Length: 1,495 mm
No. of sockets and type	36 x C13 / 6 x C19
Rated operating voltage	400 V (AC)
Rated current (max.)	16 A
Power consumption	11 kW
Infeeds	Qty.: 1 Phases per infeed: 3~
Length of connection cable	3 m
Type of electrical connection	CEE
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	-20 °C...70 °C
To fit	Enclosure type: VX IT enclosure frame: ≥ 1,800 mm Enclosure type: VX IT 19" mounting angles: ≥ 1,800 mm
Packs of	1 pc(s).
Net weight	4.5 kg
Gross weight	5 kg
Customs tariff number	85366990
ETIM 9	EC002762
ETIM 8	EC002762

Features

ECLASS 8.0	27142604
Product description	PDU basic 16A/3P CEE 36xC13+6xC19, DK PDU basic, Compact basic power distributor, WHD: 44x1495x70 mm, IEC 60 320: 36 x C13, 6 x C19

Approvals

Explanations	Declaration of conformity

Tender text

Rittal PDU basic, Model No.: DK 7979.140

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.

Technical specifications basic
Input voltage range (L1-L2-L3/N/PE): 400 VAC, 50-60Hz
input current: 16A
No. of phases: 3
Marking of phases (3-phase PDU only L1, L2, L3):
Rittal Power Pink, black, white
Number of slots type IEC 60320/C13 (total): 36
Number of slots type IEC 60320/C13
(per phase/fuse): 12
Number of slots type IEC 60320/C19 (total): 6
Number of slots type IEC 60320/C19
(per phase/fuse): 2
Number of slots type CEE 7/3 (total): -
Number of slots type CEE 7/3 (per phase/fuse): -
No. of circuit brakers: -
Hydraulic-magnetic protective circuit-breaker: 16 A
Connector PDU input:
EN 60309 / CEE (3L+N+PE, 6h)
Length of connection cable: 3m
Connection cable type: H05-VV
No. of wires: 6
Cable cross-section: 2,5 mm²
PDU housing width: 44mm
PDU housing depth: 70mm
PDU housing height: 1495mm
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 7979.140