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DK 7955.911

Slave PDU international, managed version

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ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7955.911 - Slave PDU international, managed version

Slave PDU for connecting to the PDU master versions, metered, switched and managed and the CMC III. Measurement and switching functions as for PDU managed, but without the integrated display and network interface/web interface. A PDU master or CMC III is an essential requirement for operation. A maximum of 3 slave PDUs can be connected per CAN bus.

Features

Model No.	DK 7955.911
Product description	Up to 3 slave PDUs may be connected to one PDU managed. Thanks to the compact PDU, any IT rack is easily equipped with a professional power distribution system The TS IT rack even supports tool-free assembly. The compact design allows simple assembly. The installed bistable relays display keep energy consumption in the PDU low. Redundant power is supplied from all phases. The PDU offers extensive management and monitoring functions. Measurement accuracy of 1% guarantees a high level of reliability.
Material	Aluminium section, black anodised
Dimensions	Width: 44 mm Depth: 85 mm Length: 1,360 mm
No. of sockets and type	24 x C13 / 4 x C19
Sockets	24 x IEC 320 socket C13 4 x IEC 320 socket C19
Rated current (max.)	32 A
Infeeds	Qty.: 1 Phases per infeed: 1~
Length of connection cable	3 m
Type of electrical connection	CEE
Number RJ45 ports for sensor units max	2

Features

Directives	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU
Standards	EN 60950-1
Operating temperature range	0 °C...45 °C
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-25 °C...70 °C
To fit	Enclosure type: TS IT: ≤ 1,800 mm
Packs of	1 pc(s).
Net weight	6
Gross weight	7
Customs tariff number	85366990
EAN	4028177685482
ETIM 9	EC002762
ECLASS 8.0	27142604

Tender text

Rittal Slave PDU managed, Model No.: DK 7955.911

Compact power distribution system for use in IT servers and network enclosures. Vertical mounting using the universal support (supplied) for common IT racks. Suitable for tool-less, fast assembly in Rittal TS IT racks, by means of special "Plug&Play" fastening system (also supplied). Sturdy aluminium enclosure with fixed output slots (EN60320/C13 or EN60320/C19, depending on the type). The output slots can be protected with a latch to prevent inadvertent cable withdrawal. Unused slots can be closed with covers. This prevents the inadvertent overloading of individual phases and circuits. The circuits/phases are marked in colour with multiphase PDU versions. Depending on the version, a fixed connection cable with a CEE connector is installed, so that the PDU is immediately ready for use.

The "Slave PDU managed" has extensive management features for power and output monitoring at each slot. Each slot can be activated via bistable relays.

The warranty period is 24 months during normal operation as intended.

Technical specifications of the "Slave PDU managed"

Input voltage range (L-N): 90V - 250(400) V AC, 50-60 Hz

Input current: 32 A

No. of phases: 1

Marking of the phases, (3-phase PDUs only: L1, L2, L3): Brown, black, grey

Number of slots, type EN60320/C13 (total): 24

Number of slots, type EN60320/C13 (per phase/fuse): 12

Number of slots, type EN60320/C19 (total): 4

Number of slots, type EN60320/C19 (per phase/fuse): 2

Number of circuit breakers: 2

Electromagnetic circuit breakers: 16 A, type C

Individually switchable slots: YES

(bistable relays, low internal consumption)

PDU input connector: EN60309 / CEE

Length of the connection cable: 3 m

Connection cable type: H05-VV

Number of wires: 3

Cable cross section: 4 mm²

PDU enclosure width: 44 mm (1 U)

PDU enclosure depth: 85 mm

PDU enclosure height: 1400 mm

PDU material: Aluminium, anodized, RAL 9005 (black)

PDU mounting adapter: Plastic, black

Measurement functions: Measurement per output or slot

Recorded values: Voltage (V), current (A) and frequency (Hz)

Active power (kW), active energy (kWh), apparent power (kVA)

Power factor

Neutral current measurement

Fuse monitoring

(with 32 A/63 A versions)

Voltage, measurement range: 90 to 250 V

Voltage resolution 0.1 V

Voltage accuracy 2%

Current measurement range 0 to 32 A

Current resolution 0.1 A

Current accuracy 2%

Frequency accuracy 2%

Active Power (kW) accuracy 2%

Apparent power (kVA) accuracy 2%

Active energy (kWh) accuracy 1%

Power factor accuracy 2%

Freely adjustable thresholds for warning/alarm: Yes

Operating hours counter: Yes

Display: none

Network interface: RJ45, CAN Bus (no Ethernet)

Supported protocols: (with Rittal CMCIII)

HTTP, HTTPS, SSL, SSH, NTP, and Telnet

TCP/IP v4 and v6, DHCP, DNS, NTP, and Syslog

SNMP v1, v2c and v3, XML

FTP/SFTP (update / file transfer)

E-mail dispatch (SMTP)

User management, including rights management: Yes

LDAP(S) / Radius / Active Directory connection: Yes

USB port for firmware update and data logging function: Yes

CAN-bus interface: RJ45, to connect sensors
CAN sensor types: Temperature, temperature/humidity (combined),
Infrared access sensor, vandalism sensor
Maximum number of sensors per PDU: 4
Plug and Play drivers in the Rittal RiZone DCIM software: Yes

Conformity: CE

Standards:

Safety: EN 60950-1

EMC:

EN 55022 / B

EN 61000-4-2

EN 61000-4-3

EN 61000-6-2

EN 61000-6-3

Safety guideline: 2006/95/EC

EMC Directive: 2004/108/EC

MTBF (at 40°C): 80,000 hours

Protection category: IP 20 (EN 60529)

Protection category: Class 3

Level of contamination: 2

Overvoltage class: II

Environmental properties: RoHS

Storage temperature -25°C to +70°C

Ambient temperatures 0°C to +45°C

Relative humidity 10 to 95% RH, non-condensing

Connector locking C13 and C19: 1x (further optional DK 7955.020)

C13 covers in range of goods supplied: 8x (further optional DK 7955.010)

C19 covers in range of goods supplied: 2x (further optional DK 7955.015)

Warranty: 24 months

Type: Rittal Slave PDU managed, Model No.: DK 7955.911