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## DK 7979.616 PDU local metered

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POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# DK 7979.616 - PDU local metered

High-end power distribution with local measurement of consumption data. Ideally suited for use in modern server racks and colocation data centres.

## Features

|                                    |   |
|------------------------------------|---|
| Model No.                          | DK 7979.616   |
| Design                             | Red   |
| Benefits                           | Integral measurement of current (A); active power (kW); voltage (V); frequency (Hz); power (kWh) and phase angle (°)<br>Measurement accuracy of $\pm 2\%$                             |
| Technical specifications           | Error-tolerant PDU power supply redundant across all phases<br>Connection cable, with connector, 3 m, H05VV-F3G4 mm <sup>2</sup><br>Voltage V, current A, frequency Hz<br>LCD display |
| Function principle                 | Power measurement per phase or infeed   |
| Material                           | Aluminium, spray-finished, red, similar to RAL 3020<br>Cover: Plastic PA 6 GF30, black, similar to RAL 9005   |
| Supply includes                    | PDU with local measurement, 32 A, 1-phase, red<br>2 angle brackets  |
| Measurement functions, description | Measurement per phase or infeed   |
| Dimensions                         | Width: 44 mm<br>Depth: 47 mm<br>Length: 1,308 mm  |
| No. of sockets and type            | 24 x C13 / 6 x C19<br>IEC/EN/60320/C13<br>IEC/EN/60320/C19  |
| Sockets                            | 24 x C 13<br>6 x C 19<br>2-pole with protective contact, black  |
| Rated operating voltage            | 230 V, 50 Hz/60 Hz  |
| Rated current (max.)               | 32 A  |

# Features

|                                   |   |
|-----------------------------------|---|
| Power consumption                 | 7.4 kW  |
| Infeeds                           | Qty.: 1<br>Phases per infeed: 1~  |
| Length of connection cable        | 3 m   |
| Type of electrical connection     | CEE   |
| Directives                        | EMC directive 2014/30/EU<br>Low Voltage Directive 2014/35/EU  |
| Operating temperature range       | 5 °C...45 °C  |
| Ambient humidity (non-condensing) | 5...95 %  |
| Storage temperature range         | -5 °C...60 °C   |
| To fit                            | Enclosure type: VX IT enclosure frame: ≥ 1,800 mm<br>Enclosure type: TX Colocation Rack: ≥ 1,800 mm                       |
| Packs of                          | 1 pc(s).  |
| Net weight                        | 3.3 kg  |
| Gross weight                      | 3.5 kg  |
| Customs tariff number             | 85366990  |
| ETIM 9                            | EC002762  |
| ETIM 8                            | EC002762  |
| ECLASS 8.0                        | 27142606  |
| Product description               | PDU with local power measurement, red version, 24x C13, 6x C19, 2-pole with earthing contact, black, WxHxD: 44x1308x47 mm |

# Approvals

|           |                            |
|-----------|----------------------------|
| Approvals | Cyber Security Certificate |
|-----------|----------------------------|

# Tender text

Rittal PDU local metered Model No.: DK 7979.616  
PDU local metered 32A/1P CEE 24xC13 / 6xC19  
Compact power distributor for deployment in IT server  
and network enclosures.

Robust aluminum housing with permanently  
mounted output slots, IEC 60320/C13 or  
IEC 60320/C19.

A fixed-mounted connection cable with CEE connector  
makes the PDU available for immediate deployment.  
The PDU metered has extensive measurement functions  
for the current and power monitoring.  
The integral TFT colour display enables quick access  
to the electrical consumption data.

Technical specifications PDU local metered:

Input voltage range (L1/N/PE): 230 VAC, 50-60Hz  
input current: 32A

No. of phases: 1

Number of slots type IEC 60320/C13 (total): 24

Number of slots type IEC 60320/C13  
(per fuse): 12

Number of slots type IEC 60320/C19 (total): 6

Number of slots type IEC 60320/C19  
(per fuse): 3

No. of circuit breakers: 2

Hydraulic-magnetic protective circuit-breaker: 16 A

Connector PDU input:

EN 60309 / CEE

Length of connection cable: 3m

Connection cable type: H05VV-F

No. of wires: 3

Cable cross-section: 4 mm<sup>2</sup>

PDU housing width: 44mm

PDU housing depth: 47mm

PDU housing height: 1308mm

PDU material: Aluminum, painted red RAL 3020

PDU mounting adaptor included

Measurement per fuse:

Values recorded (per fuse):

Voltage (V), current (A), frequency (Hz), Power factor(>,<)>  
active energy (kWh), Active power(kW)

Voltage measuring range: 90V - 255V

Voltage resolution 0.1V

Current measuring range 0 - 16A/32A

Current resolution 0.1A

Measuring accuracy typ.  $\pm 2\%$

Conformity: CE

Protection category: IP 20

Storage temperature: -20 °C to +60 °C

Ambient temperature: +5°C to +45°C

Ambient humidity <80% rel. humidity, non-condensing

Type: Rittal PDU local metered, Model No.: DK 7979.616