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DK 7200.001

Power Control Unit (PCU)

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FRIEDHELM LOH GROUP



DK 7200.001 - Power Control Unit (PCU)

8 current outlets with IEC320 C13 individually (via CMC III) switchable sockets, integral power display and thermal overload protection, for installation on the enclosure frame or in the 482.6 mm (19") section (1 U) of a rack.

Features

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|---------------------|---|
| Model No. | DK 7200.001 |
| Product description | <p>There are various PCU/module versions available for installation in the 482.6 mm (19") level of an IT rack and for use with PSM busbars. For each PCU/PSM module there is a choice of 6 or 8 slots with different pin patterns. Each output slot may be switched individually or in groups via the CMC III. Alarm limits may be configured via the integral 2-digit, red 7-segment display, and the latest aggregate current can be read during normal operation. Following a power failure, the individual slots are switched on sequentially (i.e. individually, one after the other) in order to avoid current spikes. For the versions with individual current measurement, 2 LEDs for each outgoing slot indicate when individual limits are exceeded. For each slot, individual current limits may be defined via the CMC III. For operation, a control voltage of 24 V (DC) / approx. 0.2 A is required, which may be provided via the CMC III. If used without the CMC III, an external power pack 24 V (DC) is required. Up to 4 PCU/PSM modules may be connected to each power pack. In such cases, the network/switch functions cannot be used.</p> |

Features

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|-----------------------|---|
| Function principle | <p>2-digit local LED 7-segment current display on the PCU. Legibility rotates according to the installation position.</p> <p>Measuring and monitoring of the current per PCU. Min./max. Adjustable limits. Measurement range 0 – 16 A.</p> <p>PCUs may be combined via the bus system, thereby enabling selective activation.</p> <p>In conjunction with the CMC-TC, the 6/8 individual current outlets of the PCUs may be activated and deactivated individually via HTTP and SNMP.</p> <p>Remote administration of the power supply, editing and monitoring of remote limits, SNMP trap messages in case of alarm.</p> <p>Outgoing slot configuration depending on the design 8 x C13, 4 x C19 + 2 x C13 or 4 x earthing-pin + 2 x C13</p> <p>User administration</p> |
| Material | Aluminium section with plastic cover |
| Supply includes | <p>1 socket strip PCU 1 U (max. 10 A per socket strip)</p> <p>1 bus cable</p> <p>1 connector for power supply</p> |
| Sockets | 8 x Wieland GST 18 |
| Dimensions | <p>Height: 44.5 mm</p> <p>Depth: 60 mm</p> <p>Length: 465 mm</p> |
| Rated voltage | 24 V DC |
| Rated current (max.) | 16 A |
| Switchable outputs | Yes |
| Packs of | 1 pc(s). |
| Net weight | 1.159 |
| Gross weight | 1.191 |
| Customs tariff number | 85366990 |
| EAN | 4028177485341 |
| ECLASS 8.0 | 27142604 |

Approvals

Explanations

Declaration of conformity

Tender text

Rittal Power Control Unit (PCU) 1 U,

8-way, individually switchable

The 1 U Power Control Unit (PCU) socket strip has 8 IEC320 C13 plug locations. It can be fitted to the enclosure frame (0 U) or in the 19 inch profile (1 U).

Socket strip operated without CMC-TC:

Usable functions are current display, circuit display, and automatic selective activation. For stand-alone operation without CMC-TC a separate power pack (7201.210) and the corresponding connection cables (7856.025 to .026) are required. Up to 4 socket strips can be operated with one power pack.

Socket strip operated with CMC-TC:

Usable functions are current display, automatic selective activation, via the CMC-TC in the network: separate activation of the 8 current outputs via HTTP and SNMP, current limit-value monitoring, and time-delayed activation of the individual current outputs. There is no separate power pack required. Up to 4 x 4 socket strips can be connected to one Processing Unit (7320.100).

Functions:

- 2-digit local LED 7-segment current display
- Min./Max. limit value adjustable
- Measuring and monitoring of current per PCU (measuring range 0-16 A)
- Alarm message by flashing segment display
- Monitoring of thermal release
- PCU can be combined via bus system, this allows selective activation
- Remote administration of power supply, remote alteration and monitoring of limit values, SNMP trap message in case of alarm

Material:,,Aluminium chassis with plastic cover

Supply includes:

- 1 socket strip PCU 1 U (max. 16 A per socket strip)
- 16 A thermal miniature circuit breaker
- 1 bus cable
- 1 supply cable 24 V DC
- 1 adaptor for power pack 24 V DC
- 1 connector plug for power supply