

Redundant module  
**PELR**



### General Data

|                                      |
|--------------------------------------|
| Input rated voltage 12 - 24 Vdc      |
| Output rated voltage 12 - 24 Vdc     |
| Output rated current 2 x 5/1 x 10 A  |
| Ambient temperature -25° C to +55° C |
| Efficiency typ. 97 %                 |
| Protection index IP 20               |

### Advantages

|   |
|---|
| Signalling via LEDs                             |
| Service-friendly spring-loaded connector system |
| Panel installation on mounting rails            |

### Applications

Redundancy module for decoupling two power supplies for building a fail-safe delivery system. set of machines and equipment requiring high operational reliability.

### Standards

Redundancy module  
to UL 60950, UL 508

Safety:  
EN 60950 (SELV), EN 60204 (PELV)

EMC:  
EN 61000-6-3 (Interference emissions), EN 61000-6-2 (Interference immunity)

2.1

2.2

2.3

2.4



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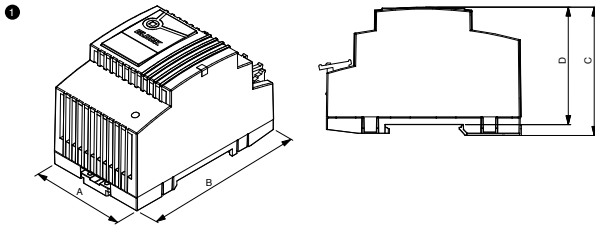
|                      |                                     |                    |
|----------------------|-------------------------------------|--------------------|
| Electrical data      | <b>Type</b>                         | PELR 24/24-5       |
|                      | <b>Input</b>                        |                    |
|                      | Input rated voltage                 | 24 Vdc             |
|                      | Input voltage range                 | 11 - 30 Vdc        |
|                      | Input rated current                 | 2 x 5 A / 1 x 10 A |
|                      | <b>Output</b>                       |                    |
|                      | Output voltage                      | Uin-0,7 V@10 A     |
|                      | Output rated current                | 10.00 A            |
|                      | Internal fuse                       | No                 |
|                      | Parallel connection                 | Yes                |
|                      | max. Power loss idling/nominal load | 1 / 7 W (10 A)     |
|                      | Efficiency                          | 97 %               |
|                      | <b>Signalling</b>                   |                    |
|                      | Operating status                    | LED green          |
|                      | Feedback voltage max.               | 35 Vdc             |
|                      | <b>Standards</b>                    |                    |
|                      | Classification                      | Redundancy module  |
|                      | <b>Environment</b>                  |                    |
|                      | Ambient temperature                 | -25° C bis +55° C  |
|                      | Storage temperature                 | -25° C to +85° C   |
|                      | <b>Safety and protection</b>        |                    |
| Protection index     | IP 20                               |                    |
| Safety class         | III                                 |                    |
| <b>Order numbers</b> |                                     |                    |
| <b>Order Number</b>  | <b>PELR 24/24-5</b>                 |                    |



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| Mechanical data | Typ          | Connections input, (spring clamp terminal, pluggable) | Connections output, (spring clamp terminal, pluggable) | Mounting position | Fixing method         | Weight  | Dimension picture (in mm) |    |    |    |    |
|-----------------|--------------|---|--|-------------------|-----------------------|---------|---------------------------|----|----|----|----|
|                 |              |   |  |                   |                       |         |                           | A  | B  | C  | D  |
|                 | PELR 24/24-5 | max. 2.5 mm <sup>2</sup>                              | max. 2.5 mm <sup>2</sup>                               | vertical          | DIN Rail system TH 35 | 0.16 kg | ①                         | 72 | 89 | 59 | 54 |

Dimension pictures



2.1

2.2

2.3

2.4