

**PLUGSERIES**  
**PRZ 120Vac LD 1CO**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-2083  
www.weidmueller.com



High power/currents can be safely switched with the PLUGSERIES. The modular system enables conventional relays and LED indicators simply to be plugged in. Retaining and disassembly clips provide a secure mount. Pre-assembled relays with 1 or 2 changeover contacts and input voltages from 24V to 230V round of the product range. Plug-in ZQV 2.5 cross-connectors enable relay multiplexers to be set up quickly thanks to simple side-by-side mounting.

**General ordering data**

|                  |   |
|------------------|---|
| Order No.        | <a href="#">8530710000</a>  |
| Part designation | PRZ 120Vac LD 1CO   |
| Version          | PLUGSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 120 V AC ±10 %, 16 A, Tension clamp connection |
| GTIN (EAN)       | 4032248163304   |
| Qty.             | 10 pc(s).   |

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## Technical data

### Dimensions

|        |       |       |         |
|--------|-------|-------|---------|
| Length | 92 mm | Width | 15.3 mm |
| Height | 87 mm |       |         |

### Temperature

|                                   |                 |                     |                 |
|-----------------------------------|-----------------|---------------------|-----------------|
| Ambient temperature (operational) | -40 °C...+50 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------------------|-----------------|---------------------|-----------------|

### Input

|                                     |                         |                       |                |
|-------------------------------------|-------------------------|-----------------------|----------------|
| Rated voltage                       | 300 V AC <sub>eff</sub> | Rated control voltage | 120 V AC ±10 % |
| Response / drop-out voltage AC coil | 53 V / 49 V             | Rated current AC      | 9.1 mA         |
| Power rating                        | 1.1 VA                  | Status indicator      | Green LED      |

### Output

|  |        |                                |                  |
|--|--------|--------------------------------|------------------|
| Continuous current                     | 16 A   | Max. switching current         | 16 A             |
| Max. switching frequency at rated load | 0.1 Hz | Sparkover time / Drop-out time | 7.8 ms / 41.5 ms |
| Switch-off delay                       | <45ms  | Switch-on delay                | 9 ms             |
| Switching voltage AC, max.             | 250 V  | making current                 | 16 A             |
| max. switching capacity                | 4 kVA  | min. switching capacity        | 10 V / 100 mA    |

### Contact data

|                  |            |                         |                                      |
|------------------|------------|-------------------------|--------------------------------------|
| Contact design   | CO contact | No. of contacts         | 1                                    |
| Contact material | AgNi 90/10 | Mechanical service life | 5 x 10 <sup>6</sup> switching cycles |

### Rated data

|                             |                          |                        |   |
|-----------------------------|--------------------------|------------------------|---|
| Conductor connection system | Tension clamp connection | DIN Rail compatibility | TS 35                                     |
| Flammability class UL 94    | V-0                      | Humidity               | 40°C / 93% rel. humidity, no condensation |
| Solid, max.                 | 2.5 mm <sup>2</sup>      | Type of relay          | SIEMENS RT 1                              |

### Insulation coordination (EN 50 178)

|  |                         |   |      |
|--|-------------------------|---|------|
| Clearance and creepage distances for control/load side | > 8 mm                  | Impulse withstand voltage                       | 6 kV |
| Overvoltage category                                   | III                     | Pollution severity                              | 2    |
| Protection class                                       | IP 20                   | Protective separation acc. to VDE 0106 part 101 | Yes  |
| Rated voltage  | 300 V AC <sub>eff</sub> |   |      |

### Other technical data

|                  |           |                             |               |
|------------------|-----------|-----------------------------|---------------|
| Free-wheel diode | No        | Reverse polarity protection | No            |
| Status indicator | Green LED | Version                     | Relay coupler |

### Approvals

|                      |                             |
|----------------------|-----------------------------|
| Approvals institutes | CSA; CURUS; GOSTME25;<br>CE |
|----------------------|-----------------------------|

**Datasheet****PLUGSERIES  
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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |

**Notes**

Note, technical data                      Cross-connectors and markers - refer to PLUGSERIES accessories

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**Drawings**

**Electric symbol**

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