

PLUGSERIES
PRS 24Vac LD 2CO

Weidmüller Interface GmbH & Co. KG
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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. | 8536560000 |
| Part designation | PRS 24Vac LD 2CO |
| Version | PLUGSERIES, Relays, No. of contacts: 2, CO contact, Rated control voltage: 24 V AC ±10 %, Screw connection |
| GTIN (EAN) | 4032248171682 |
| Qty. | 10 pc(s). |

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Technical data

Dimensions

| | | | |
|--------|-------|-------|---------|
| Length | 92 mm | Width | 15.3 mm |
| Height | 95 mm | | |

Temperature

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

Input

| | | | |
|-------------------------------------|-------------------------|-----------------------|---------------|
| Rated voltage | 300 V AC _{eff} | Rated control voltage | 24 V AC ±10 % |
| Response / drop-out voltage AC coil | 14.3 V / 9.5 V | Rated current AC | 30.5 mA |
| Power rating | 0.73 VA | Status indicator | Green LED |

Output

| | | | |
|--|---------|--------------------------------|------------------|
| Continuous current | 8 A | Max. switching current | 16 A |
| Max. switching frequency at rated load | 0.1 Hz | Sparkover time / Drop-out time | 8.9 ms / 23.8 ms |
| Switch-off delay | <45ms | Switch-on delay | 9 ms |
| Switching voltage AC, max. | 250 V | making current | 2 x 8 A |
| max. switching capacity | 2x2 kVA | min. switching capacity | 10 V / 100 mA |

Contact data

| | | | |
|------------------|------------|-------------------------|--------------------------------------|
| Contact design | CO contact | No. of contacts | 2 |
| Contact material | AgNi 90/10 | Mechanical service life | 5 x 10 ⁶ switching cycles |

Rated data

| | | | |
|-----------------------------|---------------------|------------------------|---|
| Conductor connection system | Screw 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 ² | Type of relay | SIEMENS RT 2 |

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 _{eff} | | |

Other technical data

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

Approvals

| | |
|----------------------|----------------|
| Approvals institutes | CSA; CURUS; 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

