

## PLUGSERIES PRS 12Vdc LD 1CO

**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

Type	PRS 12Vdc LD 1CO
Order No.	<a href="#">8536471001</a>
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 12 V DC $\pm 20\%$ , Continuous current: 16 A, Screw connection
GTIN (EAN)	4032248216246
Qty.	10 pc(s).

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**Technical data**
**Dimensions and weights**

Width	15.3 mm	Height	92 mm
Depth	95 mm	Net weight	74.3 g

**Temperatures**

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-40 °C...+50 °C
Storage temperature	-40 °C...+85 °C		

**Input**

Protective circuit	Integrated free-wheel diode	Rated control voltage	12 V DC $\pm$ 20 %
Rated current DC	33 mA	Coil resistance	360 $\Omega$ $\pm$ 10 %
Power rating	400 mW	Pull-in (sparkover) drop-out voltage DC coil	8.4 V / 1.2 V
Status indicator	Green LED		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	Inrush current	30 A / 4 s
Max. switching power	4000 VA	Response time	8 ms / 6 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

**Contact data**

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	30 x 10 <sup>6</sup> switching cycles

**General data**

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
UL 94 flammability rating	V-0	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>

**Insulation coordination**

Creepage and clearance distance input – output	$\geq$ 8 mm	Rated voltage	300 V AC <sub>eff</sub>
Impulse withstand voltage	6 kV (1.2/50 $\mu$ s)	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

**Other technical data**

Version	Relay coupler	Protective circuit	Integrated free-wheel diode
Status indicator	Green LED		

**Further details of approvals / standards**

Standards	DIN EN 50178
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## Data sheet

### PLUGSERIES PRS 12Vdc LD 1CO

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## Technical data

### Connection data

Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Stripping length, rated connection	8 mm
Tightening torque, max.	0.7 Nm	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection method	Screw connection
Wire cross-section, solid, max.	2.5 mm <sup>2</sup>	Wire cross-section, solid, min.	0.5 mm <sup>2</sup>

### Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

### Product information

Descriptive text technical data Cross-connectors and markers - refer to PLUGSERIES Accessories.

### Approvals

Approvals



ROHS Conform

### Downloads

Declaration of Conformity [K217\\_09\\_09.pdf](#)  
[3-D model](#)

**PLUGSERIES  
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**Drawings****Electric symbol****DC-Version**