

PLUGSERIES PRZ 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	PRZ 12Vdc LD 1CO
Order No.	8536571001
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 12 V DC \pm 20 %, Continuous current: 16 A, Tension clamp connection
GTIN (EAN)	4032248216055
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	15.3 mm	Height	92 mm
Depth	87.5 mm	Net weight	62 g

Temperatures

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

Input

Coil resistance	360 Ω ± 10 %	Protective circuit	Integrated free-wheel diode
Rated control voltage	12 V DC ±20 %	Rated current DC	33 mA
Power rating	400 mW	Pull-inrop-out voltage, typ.	8.4 V / 1.2 V DC
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
AC switching capacity (resistive), max.	4000 VA @ 250 V	DC switching capacity (resistive), max.	384 W @ 24 V
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 ⁶ switching cycles

General data

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

Insulation coordination

Creepage and clearance distance input – output	≥ 8 mm	Rated voltage	300 V AC _{eff}
Impulse withstand voltage	6 kV (1.2/50 μs)	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

Certificate No. (cURus)	E141197	Standards	DIN EN 50178
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Data sheet

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Technical data

Connection data

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Stripping length, rated connection	10 mm
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection method	Tension clamp connection	Wire cross-section, solid, max.	2.5 mm ²
Wire cross-section, solid, min.	0.5 mm ²		

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](#)

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