

PLUGSERIES
PRS 12Vdc 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.	8536471001
Type	PRS 12Vdc LD 1CO
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 12 V DC $\pm 20\%$, 16 A, Screw connection
GTIN (EAN)	4032248216246
Qty.	10 pc(s).

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Technical data
Dimensions

Length	92 mm	Width	15.3 mm
Height	95 mm		

Temperatures

Operating temperature	-40 °C...+50 °C	Ambient temperature (text)	-40 °C...+50 °C
Storage temperature	-40 °C...+85 °C		

Connection data

Wire connection cross section, finely stranded, max.	2.5 mm ²	Clamping range, rated connection	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²

Input

Power rating	400 mW	Pull-in (sparkover) / drop-out voltage DC coil	7.1 V / 2.5 V
Rated control voltage	12 V DC ±20 %	Rated current DC	33 mA
Status indicator	Green LED		

Output

Continuous current	16 A	Max. switching current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching power	4 kVA
Max. switching voltage, AC	250 V	Min. switching power	10 V / 100 mA
Sparkover time / Drop-out time	9.8 ms / 9.7 ms	Switch-off delay	6.9 ms
Switch-on delay	5.8 ms	making current	16 A

Contact data

No. of contacts	1	Contact design	CO contact
Mechanical service life	3 x 10 ⁷ switching cycles	Type of contact	CO contact
Contact material	AgNi 90/10		

Rated data

Ambient temperature (text)	-40 °C...+50 °C	Conductor connection system	Screw connection
Flammability class UL 94	V-0	Humidity	40 °C / 93% rel. humidity, no condensation
Wire cross-section, solid, max.	2.5 mm ²		

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side - load side	> 8 mm	Impulse withstand voltage	6 kV
Pollution severity	2	Protection degree	IP 20
Rated voltage	300 V AC _{eff}	Surge voltage category	III

Other technical data

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

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Approvals

Standards DIN EN 50178

Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
ETIM 4.0	EC001437	UNSPSC	30-21-19-17
eClass 4.1	40-02-06-14	eClass 5.1	27-37-16-01
eClass 6.0	27-37-16-01	eClass 7.0	27371601

Approvals

Approvals



Downloads

Declaration of Conformity [K217_09_09.pdf](#)
[3-D model](#)

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Drawings**Electric symbol**