

**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).

**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

**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; CE
----------------------	-----------------------------

**Datasheet****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

**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

**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](http://www.weidmueller.com)

**Drawings**

**Electric symbol**

