

PLUGSERIES
PRS 24Vac 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

Order No.	8536530000
Part designation	PRS 24Vac LD 1CO
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V AC ±10 %, 16 A, Screw connection
GTIN (EAN)	4032248171675
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
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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	16 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	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 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 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 _{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
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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

