

## PLUGSERIES PRS 24VDC LD 2COAU

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

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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.	<a href="#">8561760000</a>
Type	PRS 24VDC LD 2COAU
Version	PLUGSERIES, Relays, No. of contacts: 2, CO contact, Rated control voltage: 24 V DC $\pm 10\%$ , Screw connection
GTIN (EAN)	4032248209415
Qty.	10 pc(s).

**PLUGSERIES**  
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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 <sup>2</sup>	Clamping range, rated connection	2.5 mm <sup>2</sup>
Clamping range, rated connection, min.	0.5 mm <sup>2</sup>	Clamping range, rated connection, max.	2.5 mm <sup>2</sup>

**Input**

Power rating	500 mW	Pull-in (sparkover) / drop-out voltage DC coil	12.8 V / 4.5 V
Rated control voltage	24 V DC ±10 %	Rated current DC	21 mA
Status indicator	Green LED		

**Output**

Continuous current	8 A	Max. switching current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Min. switching power	1 V / 1 mA	Sparkover time / Drop-out time	7.6 ms / 12.5 ms
Switch-off delay	< 45ms	Switch-on delay	9 ms

**Contact data**

No. of contacts	2	Contact design	CO contact
Mechanical service life	5 x 10 <sup>6</sup> switching cycles	Type of contact	CO contact
Contact material	AgNi 5µm Au		

**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 <sup>2</sup>		

**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 <sub>eff</sub>	Surge voltage category	III

**Other technical data**

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

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**Technical data**

**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**