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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**PLUGSERIES**  
**PRS 24VDC LD 2COAU**

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

## PLUGSERIES PRS 24VDC LD 2COAU

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

### Output

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

### Contact data

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

### 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
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### Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01

Creation date November 11, 2010 5:52:59 PM CET

Last update 27.09.2010 / We reserve the right to make technical changes.

**Datasheet**

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**Technical data**

**Notes**

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Note, technical data	Cross-connectors and markers - refer to PLUGSERIES accessories
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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Electric symbol**