

PLUGSERIES PRS 24Vdc LD 1CO

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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

Type	PRS 24Vdc LD 1CO
Order No.	8530621001
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 16 A, Screw connection
GTIN (EAN)	4032248216260
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	15.3 mm	Height	92 mm
Depth	95 mm	Net weight	66.7 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-40 °C...+50 °C
Storage temperature	-40 °C...+85 °C		

Input

Protective circuit	Integrated free-wheel diode	Rated control voltage	24 V DC \pm 10 %
Rated current DC	20 mA	Coil resistance	1,440 Ω \pm 10 %
Power rating	400 mW	Pull-in (sparkover) drop-out voltage DC coil	16.8 V / 2.4 V
Status indicator	Green LED		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	16 A	Inrush current	30 A / 4 s
Max. switching power	4000 VA	Response time	8 ms / 6 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	30 x 10 ⁶ switching cycles

general data

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation
UL 94 flammability rating	V-0	Relay type	SIEMENS RT 1
Wire cross-section, solid, max.	2.5 mm ²		

Insulation coordination

Creepage and clearance distance input - output	\geq 8 mm	Rated voltage	300 V AC _{eff}
Impulse withstand voltage	6 kV (1.2/50 μ s)	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Relay coupler	Protective circuit	Integrated free-wheel diode
Status indicator	Green LED		

Further details of approvals / standards

Standards	DIN EN 50178
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Data sheet

**PLUGSERIES
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Technical data

Connection data

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Stripping length, rated connection	8 mm
Tightening torque, max.	0.7 Nm	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.5 mm ²	Wire connection method	Screw connection
Wire cross-section, solid, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²

Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

Product information

Descriptive text technical data	Cross-connectors and markers - refer to PLUGSERIES Accessories.
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Approvals

Approvals



ROHS	Conform
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Downloads

Declaration of Conformity	K217_09_09.pdf
	3-D model

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Drawings**Electric symbol****DC-Version**