



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

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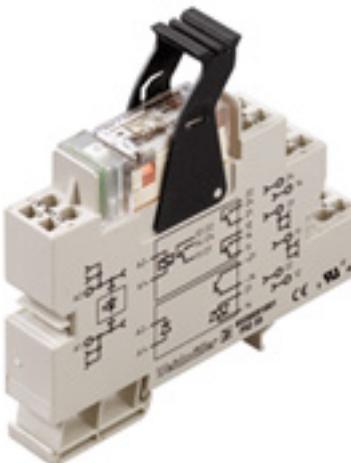
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PLUGSERIES

PRZ 24Vdc LD 1CO

Weidmüller Interface GmbH & Co. KG
 Klingenbergsstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
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 off 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.	8530691001
Type	PRZ 24Vdc LD 1CO
Version	PLUGSERIES, Relays, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 16 A, Tension clamp connection
GTIN (EAN)	4032248216031
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Tension clamp 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		

Dimensions and weights

Width	15.3 mm	Height	92 mm
Depth	87.5 mm	Net weight	60.5 g

Temperatures

Operating temperature	-40 °C...+50 °C	Storage temperature	-40 °C...+85 °C
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Connection data

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	2.5 mm ²	Stripping length, rated connection	10 mm
Wire connection cross section, finely stranded, max.	2.5 mm ²		

Input

Rated control voltage	24 V DC ±10 %	Rated current DC	20 mA
Coil resistance	1,440 Ω ±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	making 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

Insulation coordination

Rated voltage	300 V AC _{eff}	Clearance and creepage distances for control side - load side	> 8 mm
Impulse withstand voltage	6 kV (1.2/50 µs)	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

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

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Technical data**Further details of approvals / standards**

Standards DIN EN 50178

Classifications

ETIM 2.0	EC001437	ETIM 3.0	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	27-37-16-01		

Approvals

Approvals

**Downloads**

Declaration of Conformity [K217_09_09.pdf](#)
3-D model

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