



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!



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**RIDERSERIES
RT315048 48Vdc-Rel1U**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Standard relay within the RIDERSERIES RCL

- 1 CO contact
- optionally: AC or DC coils

General ordering data

Type	RT315048 48Vdc-Rel1U
Order No.	4058740000
Version	RIDERSERIES, Relais, No. of contacts: 1, CO contact, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 16 A, Plug-in connection
GTIN (EAN)	4032248303090
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Width	12.7 mm	Height	29 mm
Depth	15.7 mm	Weight	14 g
Net weight	12 g		

Temperatures

Operating temperature	-40 °C...+85 °C	Ambient temperature	-40 °C...+85 °C
Storage temperature	-40 °C...+85 °C		

Input

Rated control voltage	48 V DC	Power rating	400 mW // 0.75 VA
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Output

Max. switching voltage, AC	400 V	Continuous current	16 A
Max. switching power	4 kVA	Switch-on delay	≤ 8 ms
Switch-off delay	≤ 6 ms	Duration of Bounce	Shutter/break contact element: typ.1/3ms
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 data

No. of contacts	1	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	3 x 10 ⁷ switching cycles

General data

Wire connection method	Plug-in connection	Weight	14 g
UL 94 flammability rating	V-0	Ambient temperature	-40 °C...+85 °C

Insulation coordination

Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength input – output	5 kV _{eff}
Rated voltage	250 V	Protection degree	IP 40
Insulating material group	IIIa	Pollution severity	2
Surge voltage category	III		

Other technical data

Version	Relay
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Connection data

Pitch in mm (P)	5 mm	Wire connection method	Plug-in connection
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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		

Data sheet

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Technical data

Approvals

Approvals



ROHS

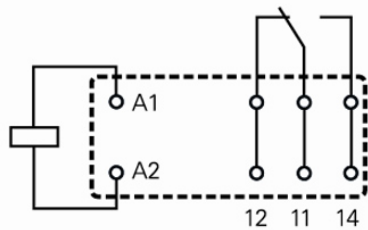
Conform

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Electric symbol**Circuit diagram**[View on pins](#)

1 C/O changeover contacts



Data sheet

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Mating connector (fully pluggable)

Base



Relay base for RIDERSERIES RCL relays

- Screw and tension clamp connection
- standard and low construction heights

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SRC 2CO	8690830000	RIDERSERIES, Relay base, Screw connection	4032248361519	10 pc(s).
SRC 2CO N	8693930000	RIDERSERIES, Relay base, Screw connection	4032248365418	10 pc(s).
SRC 2CO Z	8783930000	RIDERSERIES, Relay base, Tension clamp connection	4032248471430	10 pc(s).