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For any questions, you can email us directly:

sales@integrated-circuit.com

Data sheet

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		

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Technical data

Approvals

Approvals



ROHS

Conform

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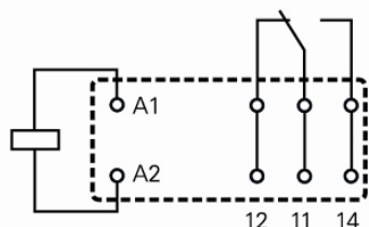
Drawings

Electric symbol

Circuit diagram

View on pins

1 C/O changeover contacts



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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).