

**RIDERSERIES
RCM370730**

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



Standard relays in the RIDERSERIES RCM

- 3 CO contacts
- Optionally AC or DC coils
- with test button
- Comes optionally with integrated status display and/or free-wheel diode

General ordering data

Order No.	8690000000
Type	RCM370730
Version	RIDERSERIES, Relais, No. of contacts: 3, CO contact with test button, AgNi 90/10, Rated control voltage: 230 V AC, Continuous current: 10 A, Plug-in connection
GTIN (EAN)	4032248360673
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
UL 94 flammability rating	V-0		

Dimensions and weights

Width	22.5 mm	Height	28 mm
Depth	29 mm	Net weight	27.6 g

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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Input

Rated control voltage	230 V AC	Rated current AC	4.3 mA
Coil resistance	19,465 Ω ± 15 %	Power rating	1.0 VA
Response / drop-out voltage AC coil	184.0 V / 69.0 V		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	10 A	making current	20 A / 20 ms
Max. switching power	2500 VA	Sparkover time / Drop-out time	15 ms / 10 ms
Min. switching power	12 V / 10 mA	Min. switching current	10 mA
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	3	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles

Insulation coordination

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 4 mm
Dielectric strength for control side - load side	2.5 KV _{eff} / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)
Protection degree	IP 20	Insulating material group	IIIa

Other technical data

Version	Without LED
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Further details of approvals / standards

Standards	IEC 61810-1, UL508
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Technical data**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

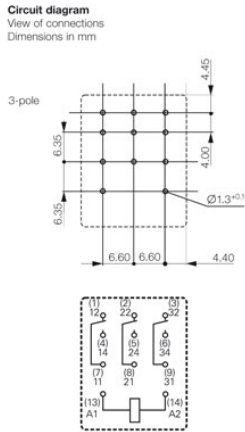
**Downloads**Declaration of Conformity [K295_12_10.pdf](#)

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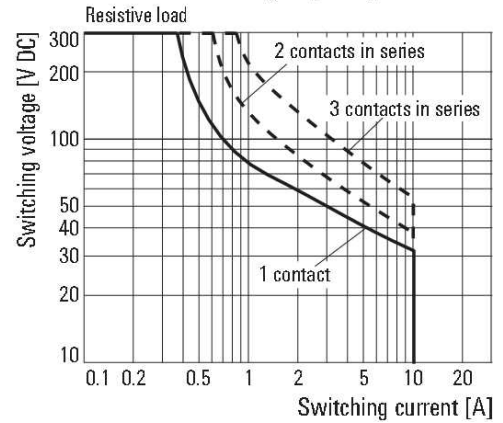
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Drawings

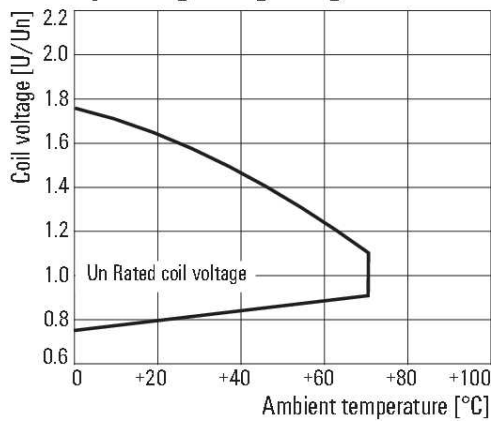
Pinning



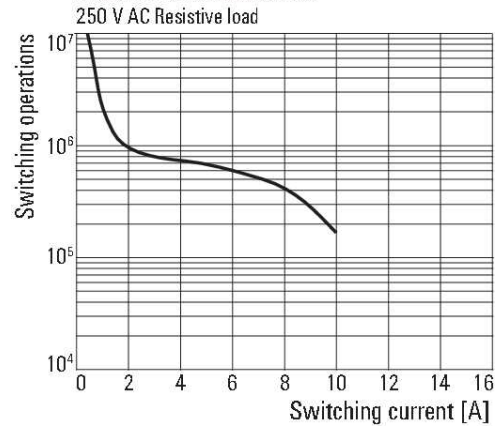
DC load breaking capacity



Operating voltage range AC



Electrical endurance



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Accessories

LED



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With either green or red LED
- For UC supply voltage

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869650000	RIM-I 3 110/230VUC	RIDERSERIES, Accessories	4032248614592	10 pc(s).
8869660000	RIM-I 3 110/230VUC GN	RIDERSERIES, Accessories	4032248614721	10 pc(s).

Labelling clip



Labelling clip for marking RIDERSERIES RCM relays

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869460000	SCM-I MARK	RIDERSERIES, Markers	4032248614417	10 pc(s).

Metal retaining clip



Metal retaining clip for RIDERSERIES RCM relays

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869450000	SCM-I CLIP M	RIDERSERIES, Accessories	4032248614301	10 pc(s).

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Accessories

LED / Protective varistor



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With protective varistor
- For UC supply voltage

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869750000	RIM-I 4 230VUC VAR	RIDERSERIES, Accessories	4032248606368	10 pc(s).

Plastic retaining clip



Plastic retaining clip for RIDERSERIES RCM relays

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8875620000	SCM-I CLIP N	RIDERSERIES, Accessories	4032248608577	10 pc(s).

Base



Relay base for RIDERSERIES RCM relays

- 2, 3 and 4 CO contacts
- Screw and PUSH IN wire connection
- Standard and low heights

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869410000	SCM-I 3CO N	RIDERSERIES, Accessories,	4032248606375	10 pc(s).
		Continuous current: 10 A,		
		Screw connection		

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Protection module



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- Optionally with free-wheel diode, load resistor or RC filter

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8869580000	RIM-I 1 6/230V	RIDERSERIES, Accessories	4032248614523	10 pc(s).
8870830000	RIM-I 1 R 110/230V	RIDERSERIES, Accessories	4032248631674	10 pc(s).
8869790000	RIM-I 3 110/230VAC RC	RIDERSERIES, Accessories	4032248606337	10 pc(s).

Cross-connector



Cross-connector for bridging connections in the RIDERSERIES RCM

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8870850000	SCM-I QV P	RIDERSERIES, Cross-connector	4032248631698	10 pc(s).
1132080000	SCM-I QV S	RIDERSERIES, Cross-connector	4032248912193	10 pc(s).

