

**RIDERSERIES  
RCM570024**

**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

- 4 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.	<a href="#">869020000</a>
Type	RCM570024
Version	RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248360833
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	29.2 g

**Temperatures**

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

Rated control voltage	24 V DC	Rated current DC	31.3 mA
Coil resistance	777 Ω ± 10 %	Power rating	750 mW
Pull-in (sparkover) / drop-out voltage DC coil	18 V / 2.4 V		

**Output**

Rated switching voltage	240 V AC	Max. switching voltage, AC	240 V
Continuous current	6 A	making current	12 A / 20 ms
Max. switching power	1500 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	4	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 <sup>6</sup> Switching cycles, DC coil 30 x 10 <sup>6</sup> 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 <sub>eff</sub> / 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

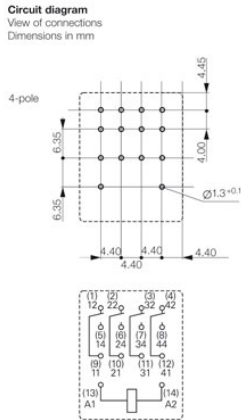
**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

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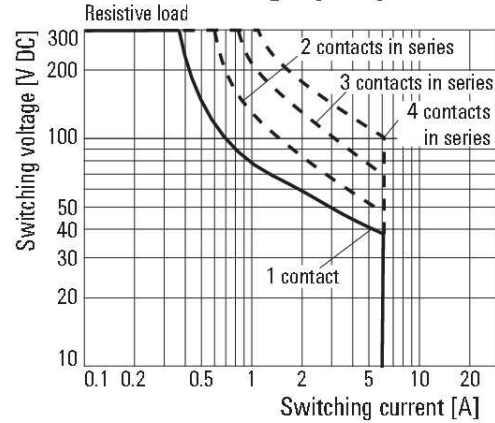
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**Drawings**

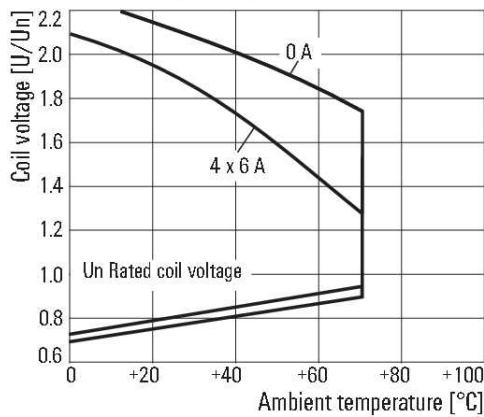
**Electric symbol**



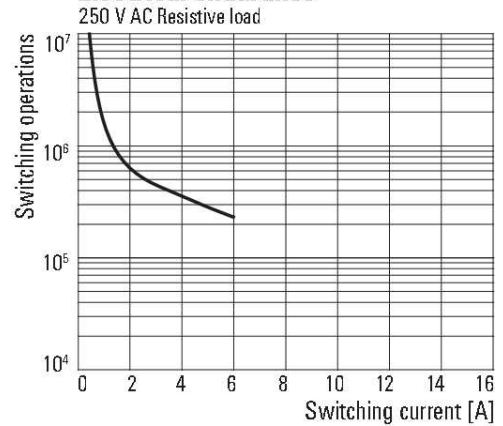
**DC load breaking capacity**



**Operating voltage range DC**



**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.
<a href="#">8869640000</a>	RIM-I 3 6/24VUC GN	RIDERSERIES, Accessories	4032248614585	10 pc(s).
<a href="#">8869630000</a>	RIM-I 3 6/24VUC	RIDERSERIES, Accessories	4032248614578	10 pc(s).
<a href="#">8869620000</a>	RIM-I 3 24/60VUC GN	RIDERSERIES, Accessories	4032248614561	10 pc(s).
<a href="#">8869610000</a>	RIM-I 3 24/60VUC	RIDERSERIES, Accessories	4032248614554	10 pc(s).

**Labelling clip**


Labelling clip for marking RIDERSERIES RCM relays

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869460000</a>	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.
<a href="#">8869450000</a>	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.
<a href="#">8869710000</a>	RIM-I 4 24VUC VAR	RIDERSERIES, Accessories	4032248606344	10 pc(s).

**Plastic retaining clip**



Plastic retaining clip for RIDERSERIES RCM relays

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8875620000</a>	SCM-I CLIP N	RIDERSERIES, Accessories	4032248608577	10 pc(s).
<a href="#">8869440000</a>	SCM-I CLIP P	RIDERSERIES, Accessories	4032248614295	10 pc(s).

**LED / Freilaufdiode**



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

- With either green or red LED
- With free-wheel diode
- For DC supply voltage

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8869590000</a>	RIM-I 2 6/24VDC	RIDERSERIES, Accessories	4032248614530	10 pc(s).
<a href="#">8869670000</a>	RIM-I 2 24/60VDC	RIDERSERIES, Accessories	4032248614608	10 pc(s).
<a href="#">8869680000</a>	RIM-I 2 24/60VDC GN	RIDERSERIES, Accessories	4032248614615	10 pc(s).
<a href="#">8869600000</a>	RIM-I 2 6/24VDC GN	RIDERSERIES, Accessories	4032248614547	10 pc(s).

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**Accessories**

**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.
<a href="#">8869390000</a>	SCM-I 4CO N	RIDERSERIES, Accessories,	4032248614257	10 pc(s).
		Continuous current: 6 A, Screw connection		
<a href="#">8869420000</a>	SCM-I 4CO	RIDERSERIES, Accessories,	4032248614271	10 pc(s).
		Continuous current: 6 A, Screw connection		
<a href="#">8869430000</a>	SCM-I 4CO P	RIDERSERIES, Accessories,	4032248614288	10 pc(s).
		Continuous current: 6 A, PUSH IN spring connection		

**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.
<a href="#">8869580000</a>	RIM-I 1 6/230V	RIDERSERIES, Accessories	4032248614523	10 pc(s).

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**Accessories**

**Cross-connector**



Cross-connector for bridging connections in the RIDERSERIES RCM

**General ordering data**

Order No.	Type	Version	GTIN (EAN)	Qty.
<a href="#">8870850000</a>	SCM-I QV P	RIDERSERIES, Cross-connector	4032248631698	10 pc(s).
<a href="#">1132080000</a>	SCM-I QV S	RIDERSERIES, Cross-connector	4032248912193	10 pc(s).



