

**RIDERSERIES
RCM370012**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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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.	8690020000
Type	RCM370012
Version	RIDERSERIES, Relais, No. of contacts: 3, CO contact with test button, AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 10 A, Plug-in connection
GTIN (EAN)	4032248360697
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	30.3 g

Temperatures

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

Rated control voltage	12 V DC	Rated current DC	62.5 mA
Coil resistance	192 $\Omega \pm 10\%$	Power rating	750 mW
Pull-in (sparkover) / drop-out voltage DC coil	9.0 V / 1.2 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	Response time	15 ms / 10 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	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 μ s)
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](#)

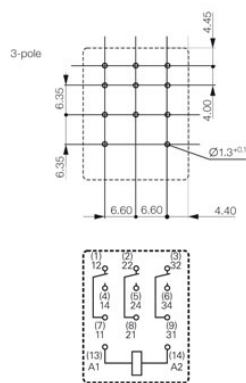
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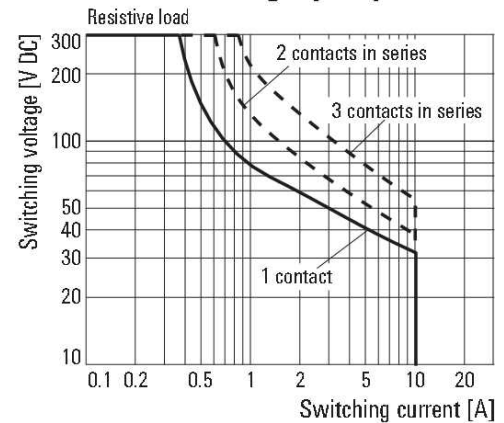
Drawings

Pinning

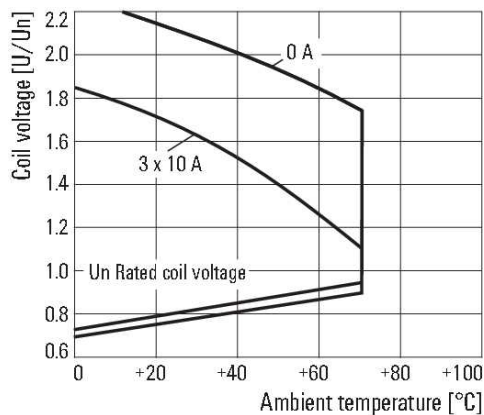
Circuit diagram
View of connections
Dimensions in mm



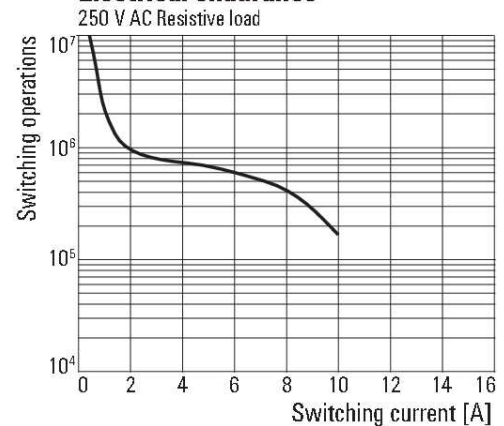
DC load breaking capacity



Operating voltage range DC



Electrical endurance



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Drawings

Type code	RCM								
Type	RIDER	Control	Multiple						
Contacts	2	2 CO contacts							
	3	3 CO contacts							
	5	4 CO contacts							
Contact material	7	AgNi 90/10, with test button							
	8	AgNi 90/10 hgp, with test button							
Type of construction	0	Standard, 2.8 mm Faston							
						DC coil			
						006	6 V DC	L06	with LED
						012	12 V DC	L12	with LED + diode
						024	24 V DC	L24	AB2
						048	48 V DC	L48	AC4
						060	60 V DC	L60	AE8
						110	110 V DC	M10	BB0
						220	220 V DC	N20	
						AC coil			
						506	6 V AC	R06	
						512	12 V AC	R12	
						524	24 V AC	R24	
						548	48 V AC	R48	
						615	115 V AC	S15	
						730	230 V AC	T30	