

**RIDERSERIES RCM
RCM570012**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Germany
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Product image

Similar to illustration

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

Type	RCM570012
Order No.	8054360000
Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact with test button AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4008 190098322
Qty.	10 pc(s).

Creation date August 15, 2020 11:50:18 PM CEST

Catalogue status 24.07.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Width	22.5 mm	Width (inches)	0.886 inch
Height	28 mm	Height (inches)	1.102 inch
Depth	29 mm	Depth (inches)	1.142 inch
Net weight	30.7 g		

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

Rated data UL

Certificate No. (cURus)	E224238
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Input

Rated control voltage	12 V DC	Rated current DC	62.5 mA
Power rating	750 mW	Pull-in/drop-out voltage, typ.	9 V / 1.2 V DC
Coil resistance	192 $\Omega \pm 10\%$		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	240 V
Continuous current	6 A	Inrush current	12 A / 20 ms
AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	144 W @ 24 V
Switch-on delay	≤ 15 ms	Switch-off delay	≤ 10 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	Mechanical service life	AC coil 20×10^6 switching cycles, DC coil 30×10^6 switching cycles
4 CO contact with test button (AgNi 90/10)		

General data

Test button	yes (lockable)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Creepage and clearance distance input – output	≥ 4 mm	Dielectric strength of neighbouring contacts	2 kV _{eff} / 1 min
Dielectric strength of open contact	1.2 kV _{eff} / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μ s)

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Technical data
Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011762	Certificate No. (cURus)	E224238

Connection data

Wire connection method	Plug-in connection
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS	Conform
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Downloads

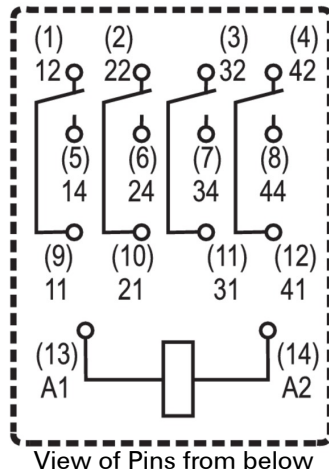
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

RIDERSERIES RCM RCM570012

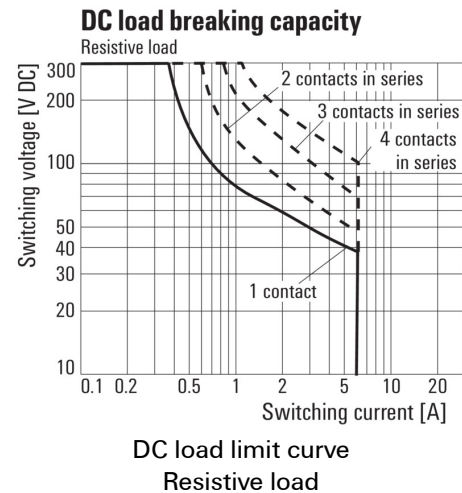
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Drawings

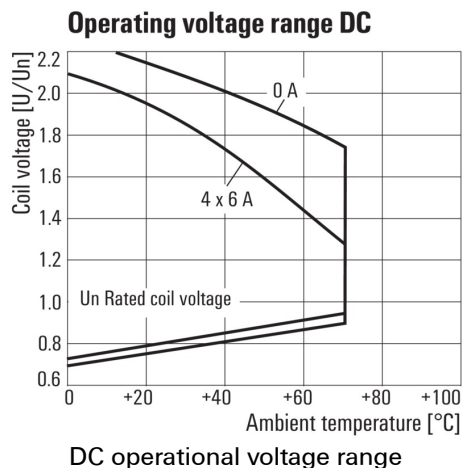
Wiring diagram



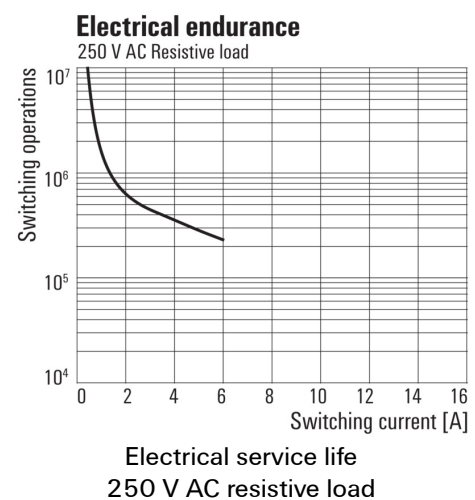
Graph



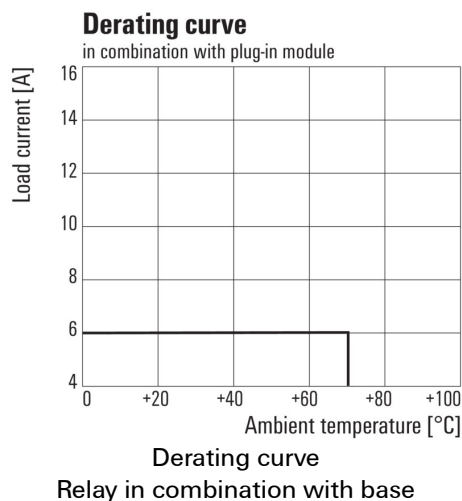
Graph



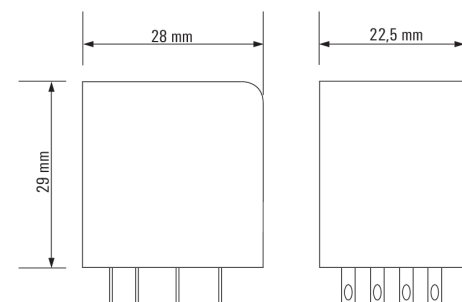
Graph



Graph



Dimensional drawing



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Drawings
Miscellaneous

		RCM															with LED		
Type	RIDER	Control	Multiple							Coil voltage	LED	+ diode							
Type of contact	2	2CO								006	6 V DC	L06							
	3	3CO								012	12 V DC	L12	AB2						
	5	4CO								024	24 V DC	L24	AC4						
										048	48 V DC	L48	AE8						
Contact material	7	AgNi 90/10 with test button								060	60 V DC	L60							
	8	AgNi 90/10 hgp, with test button								110	110 V DC	M10	BBO						
										220	220 V DC	N20							
										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							
											Type of construction								
												0		Standard, 2,8mm		Faston			

Type codes