

**RIDERSERIES RCM
RCM270012**

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

Standard relays in the RIDERSERIES RCM

- 2 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	RCM270012
Order No.	8689840000
Version	RIDERSERIES RCM, Relay, Number of contacts: 2 CO contact with test button AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	4032248360512
Qty.	10 pc(s).

Creation date June 5, 2020 7:49:47 PM CEST

Catalogue status 03.06.2020 / 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	29.2 g		

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	70 V DC (24,25 V DC +- 50 mV) potenzialfrei
Operating temperature, min.	-40 V DC (24,25 V DC +- 50 mV) potenzialfrei	Storage temperature, max.	85 V DC (24,25 V DC +- 50 mV) potenzialfrei
Storage temperature, min.	-40 V DC (24,25 V DC +- 50 mV) potenzialfrei	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 Ω ± 10 %		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	12 A	Inrush current	24 A / 20 ms
AC switching capacity (resistive), max.	3000 VA	DC switching capacity (resistive), max.	288 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	2 CO contact with test button (AgNi 90/10)	Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles
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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	2.5 kV _{eff} / 1 Min.
Dielectric strength of open contact	1.2 kV _{eff} / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)

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Technical data
Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
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

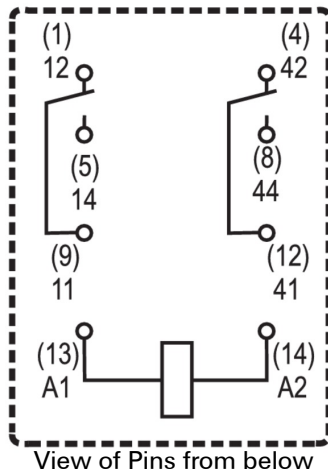
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

RIDERSERIES RCM RCM270012

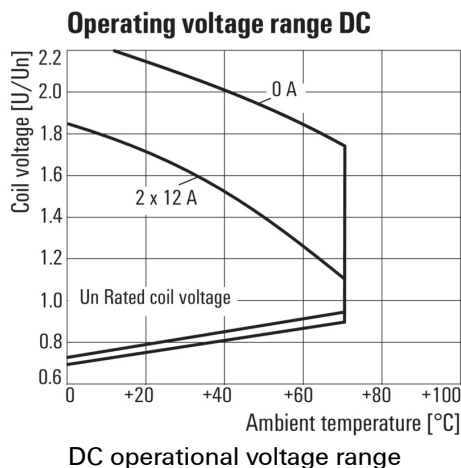
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Drawings

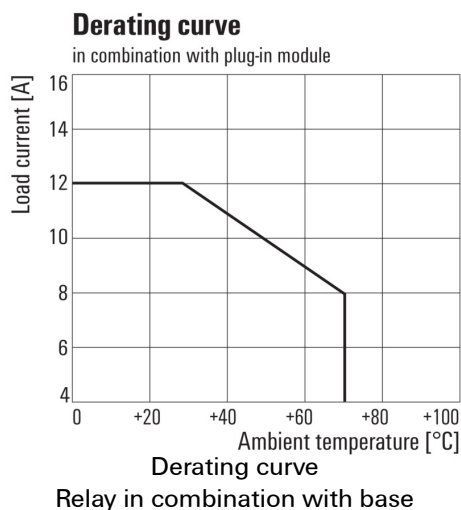
Wiring diagram



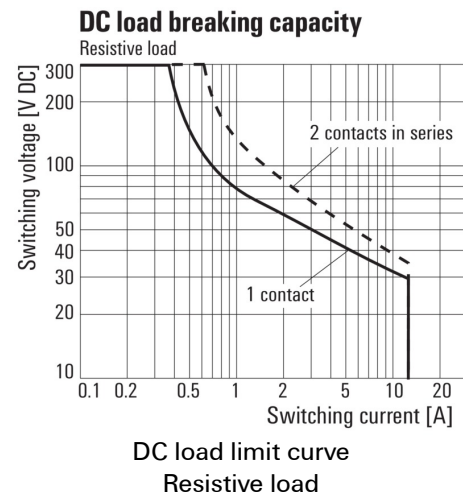
Graph



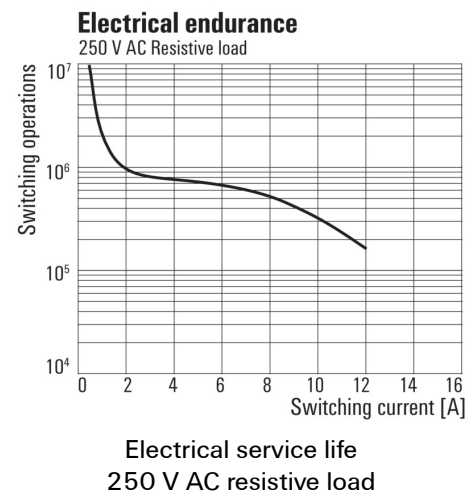
Graph



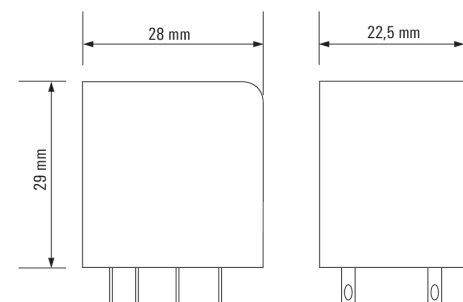
Graph



Graph



Dimensional drawing



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Drawings
Miscellaneous

		RCM						
							with LED	with LED
							LED	+ diode
Type	RIDER Control Multiple						Coil voltage	
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
Contact material	7 AgNi 90/10 with test button						048 48 V DC	L48 AE8
	8 AgNi 90/10 hgp, with test button						060 60 V DC	L60
							110 110 V DC	M10 BB0
							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