

**RIDERSERIES RCM  
RCM270512**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image**

Similar to illustration

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	RCM270512
Order No.	<a href="#">8689740000</a>
Version	RIDERSERIES RCM, Relay, Number of contacts: 2, CO contact with test button AgNi 90/10, Rated control voltage: 12 V AC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	4032248360413
Qty.	10 pc(s).

Creation date August 6, 2020 8:39:06 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	29.3 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 AC	Rated current AC	83.3 mA
Power rating	1.0 VA	Pull-in/drop-out voltage, typ.	9.6 V / 3.6 V AC
Coil resistance	48 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 <sup>6</sup> switching cycles, DC coil 30 x 10 <sup>6</sup> 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 <sub>eff</sub> / 1 Min.
Creepage and clearance distance input - output	≥ 4 mm	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1.2 kV <sub>eff</sub> / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)

**Data sheet**

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**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**

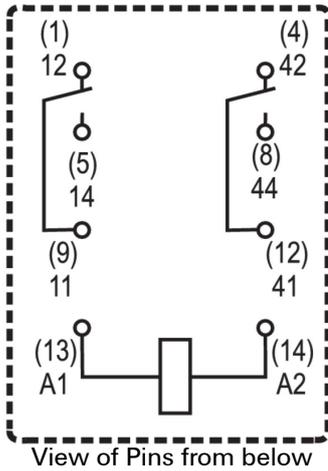
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>

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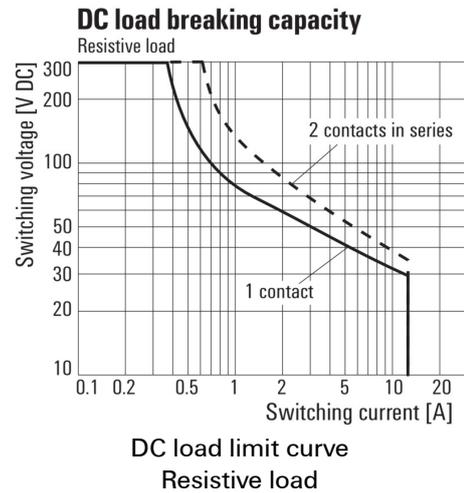
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**Drawings**

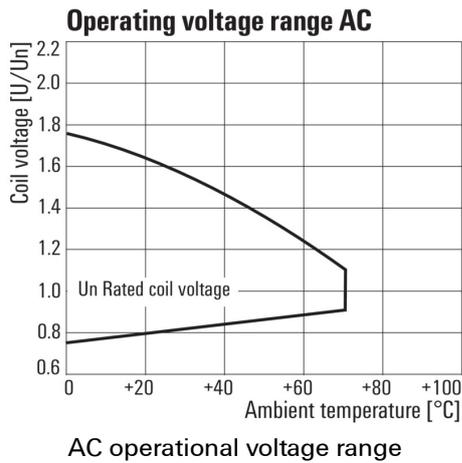
**Wiring diagram**



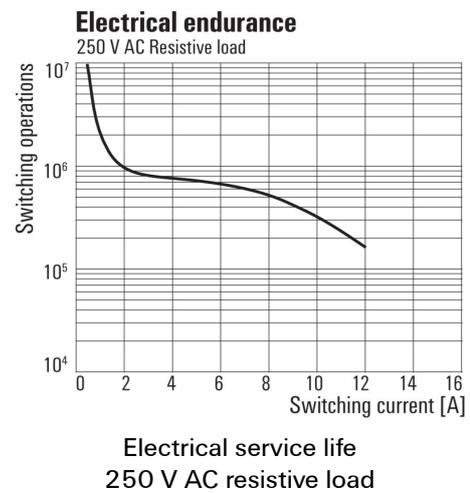
**Graph**



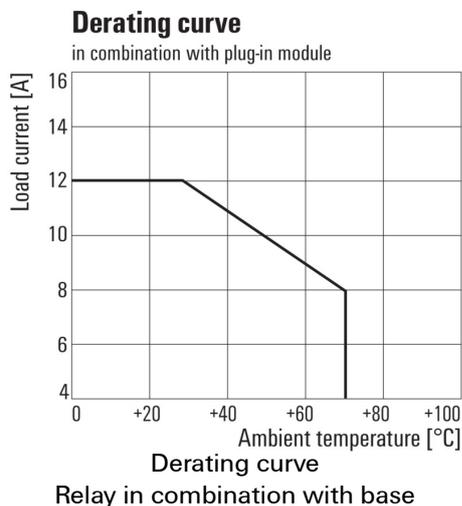
**Graph**



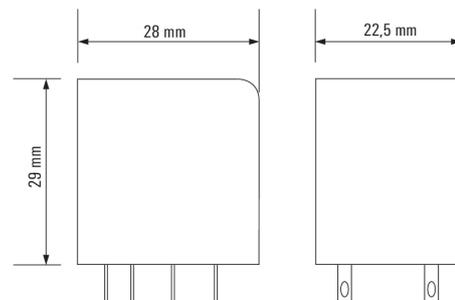
**Graph**



**Graph**



**Dimensional drawing**



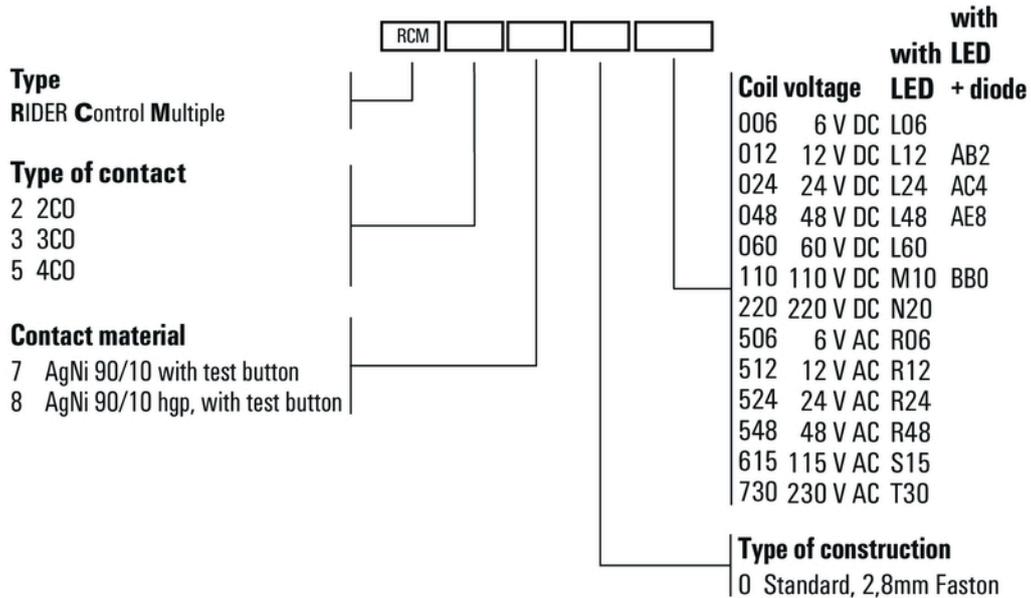
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**Drawings**

**Miscellaneous**



Type codes