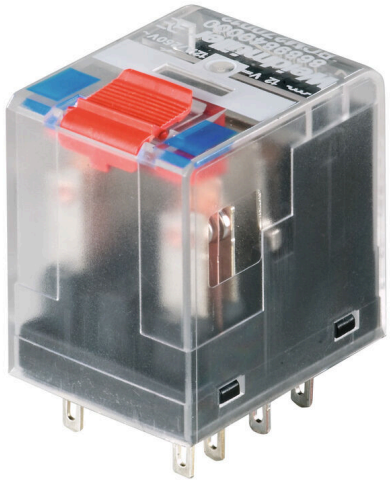
Data sheet

RCM270R12

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Similar to illustration

Individual relays within the RIDERSERIES RCM
- 2 CO contacts
- Optional AC or DC coils
- With test button and integrated status LED

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 12 V AC, Continuous current: 12 A, Plug-in connection, Test button available: Yes
Order No.	8689750000
Type	RCM270R12
GTIN (EAN)	4032248360420
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-06-30T00:00:00+02:00

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

Dimensions and weights

Depth	29 mm	Depth (inches)	1.1417 inch
Height	28 mm	Height (inches)	1.1024 inch
Width	22.5 mm	Width (inches)	0.8858 inch
Net weight	27.4 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E522350

Control side

Rated control voltage	12 V AC	Rated current AC	90 mA
Power rating	1080 mVA	Coil resistance	192 Ω ± 10 %
Status indicator	red LED		

Load side

Rated switching voltage	240 V AC	Continuous current	12 A
Max. switching frequency at rated load	0.1 Hz	Switching voltage (AC), max.	250 V
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	Contact type	2 CO contact (AgNi)
Mechanical service life	AC coil 20 x 106 switching cycles, DC coil 30 x 106 switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Test button available	Yes	Version of test button	Lockable test button, Momentary test button
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

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Technical data

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 4 mm	Dielectric strength for control side - load side	2.5 kVeff / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1.2 kVeff /1 min.
Impulse withstand voltage	5 kV (1.2/50 µs)	Protection degree	IP20

Further details of approvals / standards

Certificate No. (CSA)	249409-2426937	Certificate No. (VDE)	40011762
Certificate No. (cURus)	E522350		

Connection data

Wire connection method	Plug-in connection

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

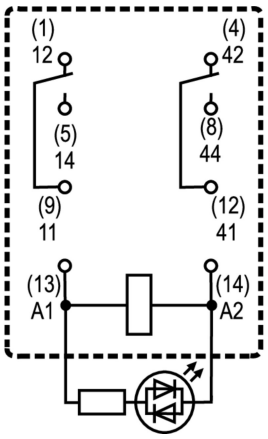
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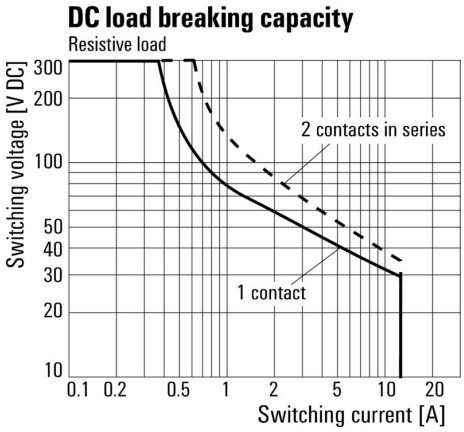
Drawings

Wiring diagram



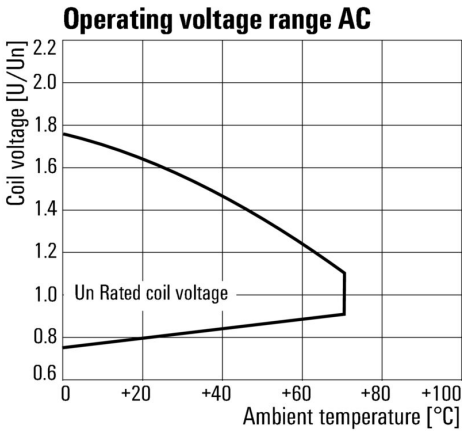
View of Pins from below

Graph



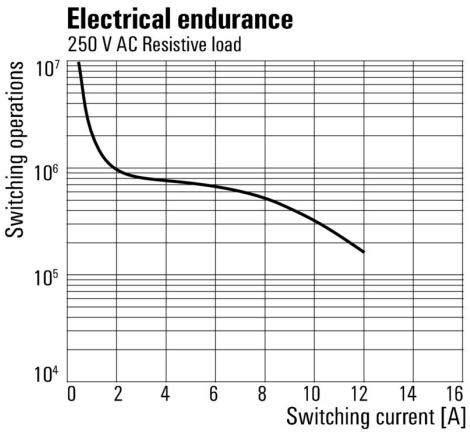
DC load limit curve Resistive load

Graph



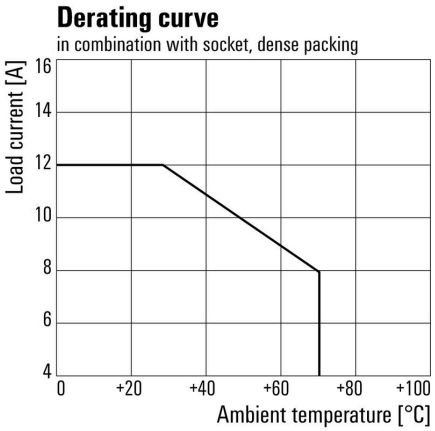
AC operational voltage range

Graph



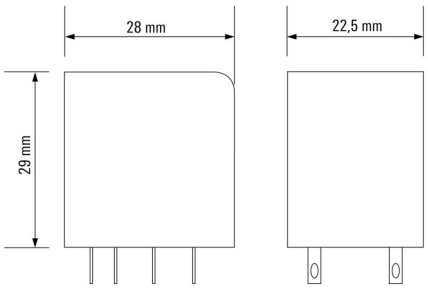
Electrical service life 250 V AC resistive load

Graph



Derating curve Relay in combination with base

Dimensional drawing



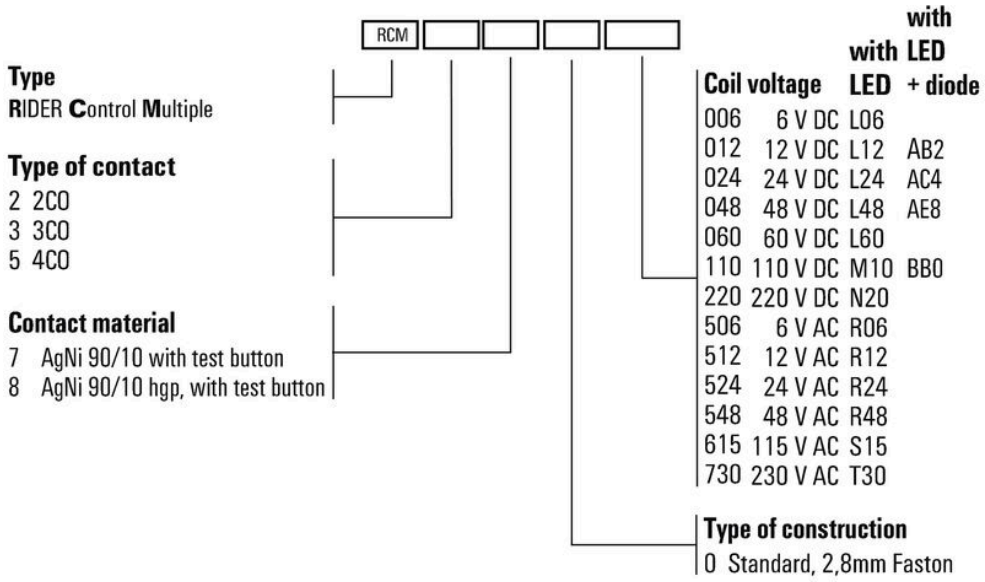
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Drawings

Miscellaneous



Type codes