RCM270L12

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 with test button AgNi 90/10, Rated control voltage: 12 V DC, Continuous current: 12 A, Plug-in connection
Order No.	8689850000
Type	RCM270L12
GTIN (EAN)	4032248360529
Qty.	10 pc(s).

Creation date March 29, 2021 11:04:13 PM CEST

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Technical data

Dimensions and weights

Depth	29 mm	Depth (inches)	1.142 inch
Height	28 mm	Height (inches)	1.102 inch
Net weight	29.6 g	Width	22.5 mm
Width (inches)	0.886 inch		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E224238

Control side

Coil resistance	192 Ω ± 10 %	Power rating	756 mW
Pull-in/drop-out voltage, typ.	9 V / 1.2 V DC	Rated control voltage	12 V DC
Rated current DC	63 mA	Status indicator	red LED

Load side

AC switching capacity (resistive), max.	3000 VA	Continuous current	12 A
DC switching capacity (resistive), max.	288 W @ 24 V	Inrush current	24 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	400 V
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Rated switching voltage	250 V AC
Switch-off delay	≤ 10 ms	Switch-on delay	≤ 15 ms

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

General data

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

Insulation coordination

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.	Dielectric strength, Input/Output	2.5 kV_{eff} / 1 Min.
Impulse withstand voltage	5 kV (1.2/50 µs)	Insulating material group	IIIa
Pollution severity	2	Protection degree	IP20
Rated voltage	250 V	Surge voltage category	III

Further details of approvals / standards

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

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Technical data

Connection data

Wire connection method	Plug-in connection

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	ECLASS 11.0	27-37-16-01

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E224238

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

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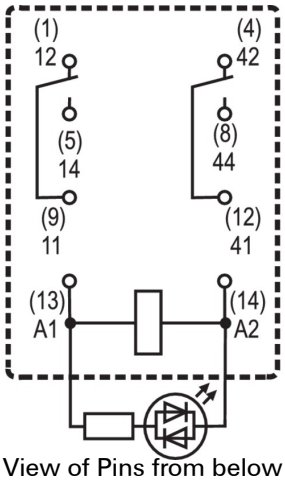
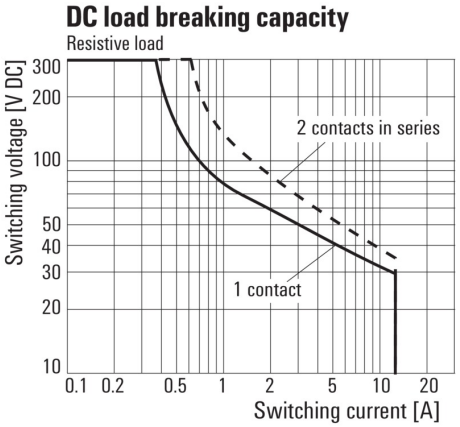
Drawings

Wiring diagram



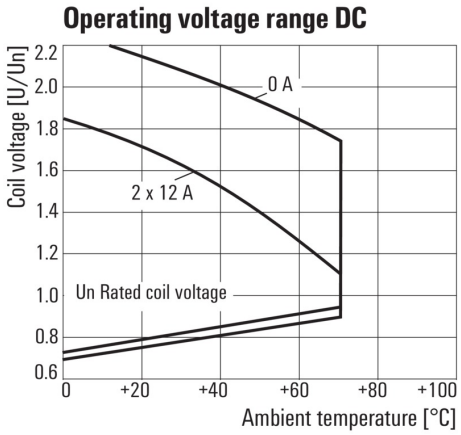
View of Pins from below

Graph



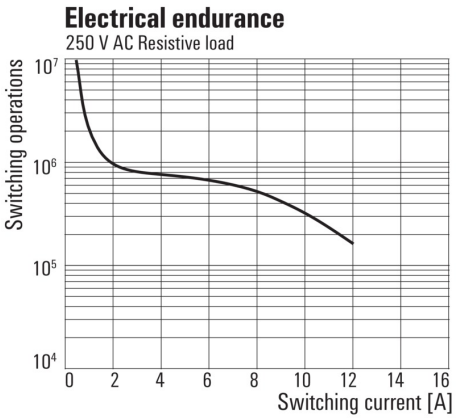
DC load limit curve
Resistive load

Graph



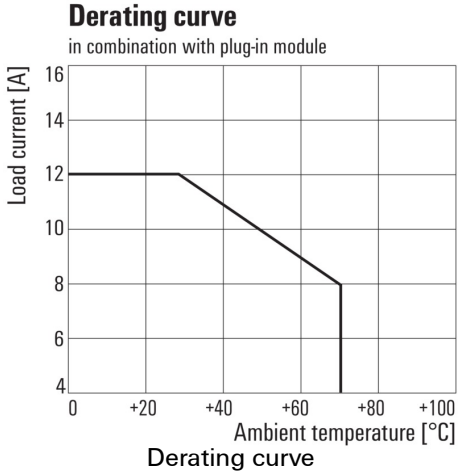
DC operational voltage range

Graph



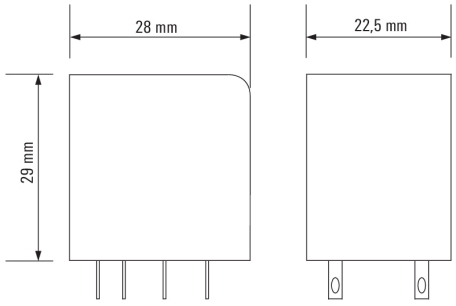
Electrical service life
250 V AC resistive load

Graph



Derating curve
Relay in combination with base

Dimensional drawing



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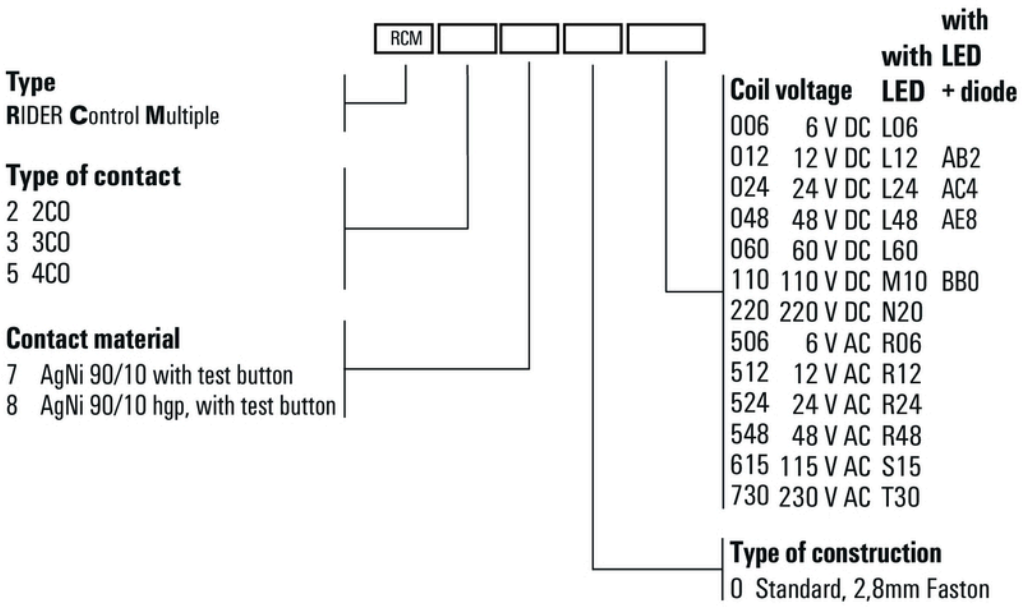
Drawings

Miscellaneous



Type codes