

RCM570125**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact with test button AgNi, Rated control voltage: 125 V DC, Continuous current: 6 A, Plug-in connection, Test button available: Yes
Order No.	7940007736
Type	RCM570125
GTIN (EAN)	9004839079863
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

RCM570125

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www.weidmueller.com

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	26.22 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
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Control side

Rated control voltage	125 V DC	Rated current AC	6.1 mA
Power rating	750 mW	Status indicator	No

Load side

Rated switching voltage	240 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	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
Contact type	4 CO contact with test button (AgNi)	Mechanical service life	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
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

Technical data

Insulation coordination

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

Further details of approvals / standards

Standards	IEC 61810-1	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011762	Certificate No. (cURus)	E522350

Connection data

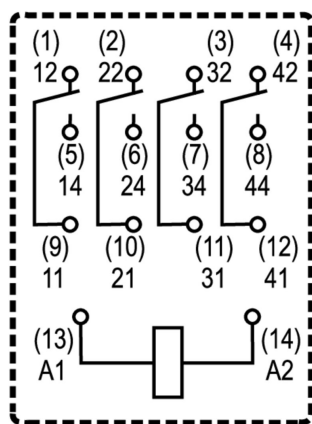
Wire connection method	Plug-in connection
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Classifications

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		

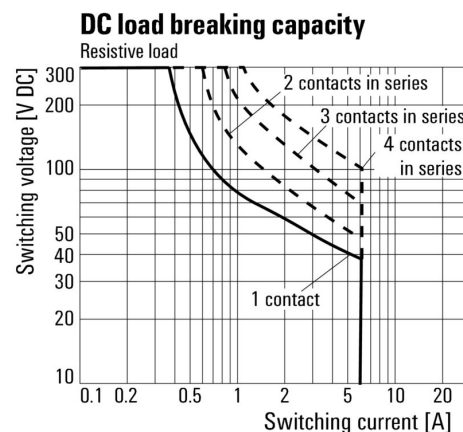
Drawings

Wiring diagram



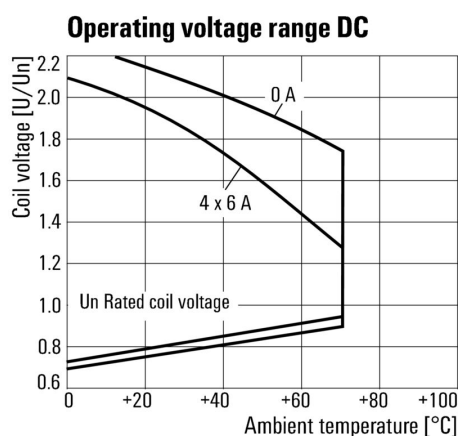
View of Pins from below

Graph



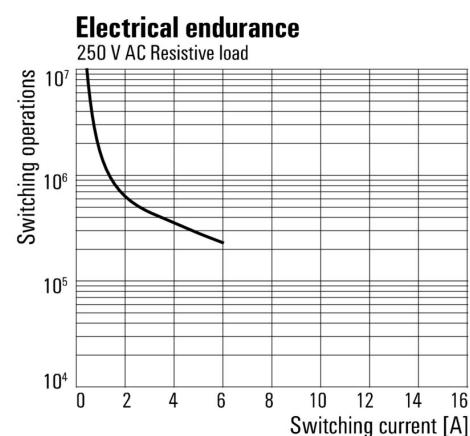
DC load limit curve

Graph



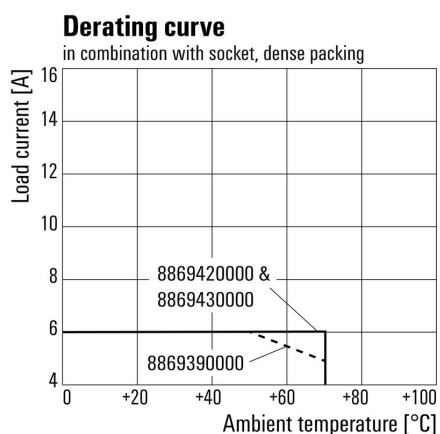
DC operational voltage range

Graph



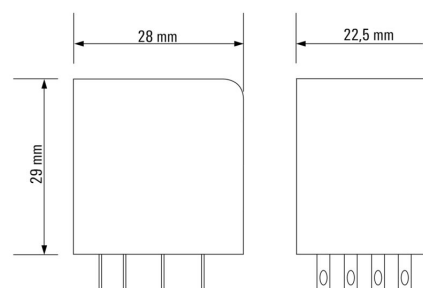
Electrical service life

Graph

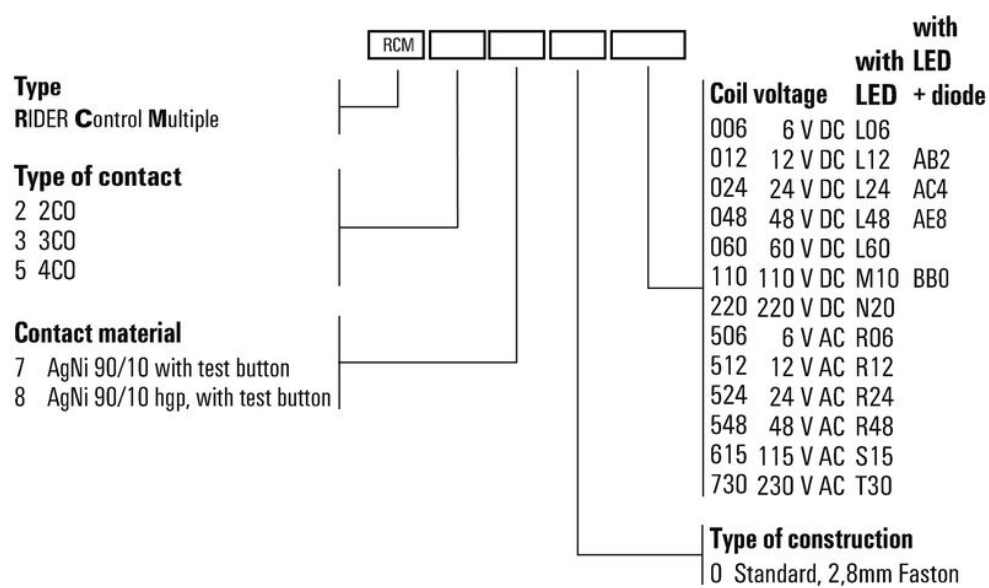


Derating curve

Dimensional drawing



Miscellaneous



Type codes