

RIDERSERIES RCM
RCM570R48

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

Similar to illustration

Standard relays in the RIDERSERIES RCM

- 4 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	RCM570R48
Order No.	8690130000
Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact with test button AgNi 90/10, Rated control voltage: 48 V AC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248360796
Qty.	10 pc(s).

Creation date August 7, 2020 9:17:07 AM 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	30.8 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	48 V AC	Rated current AC	21.3 mA
Power rating	1.0 VA	Pull-in/drop-out voltage, typ.	38.4 V / 14.4 V AC
Coil resistance	777 Ω ± 10 %	Status indicator	red LED

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	240 V
Continuous current	6 A	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
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	Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles
4 CO contact with test button (AgNi 90/10)		

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 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. (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

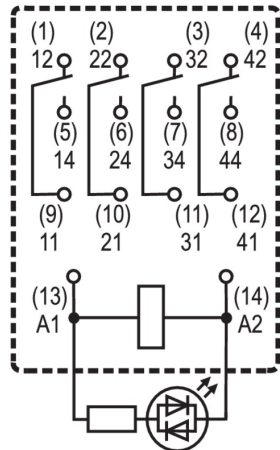
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

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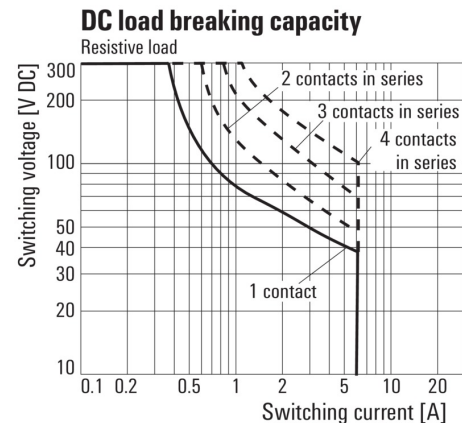
Drawings

Wiring diagram



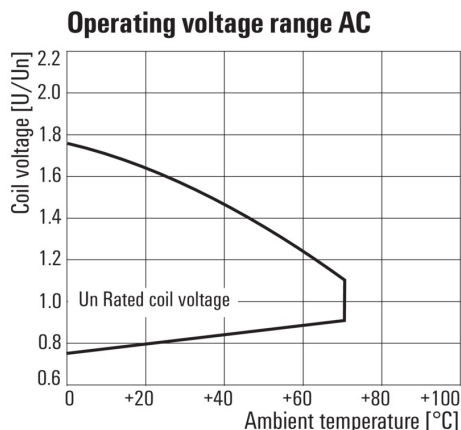
View of Pins from below

Graph



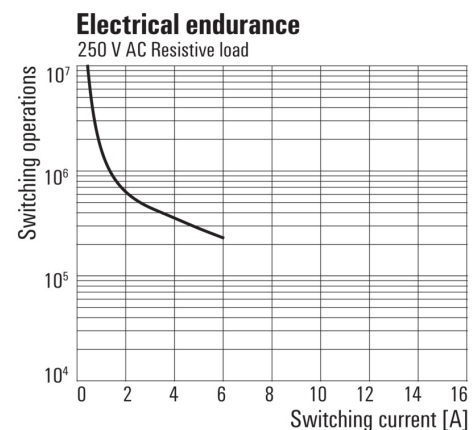
DC load limit curve
Resistive load

Graph



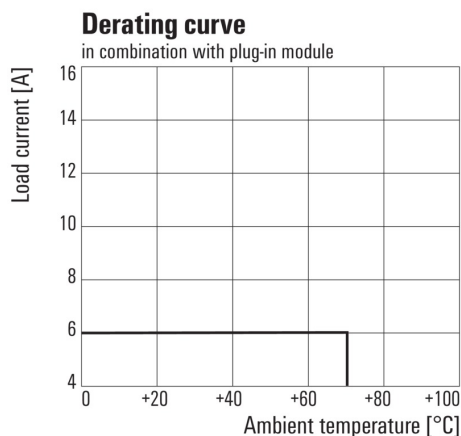
AC operational voltage range

Graph



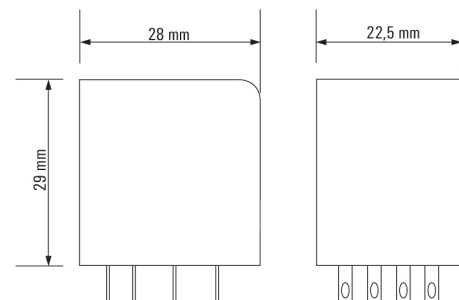
Electrical service life
250 V AC resistive load

Graph



Derating curve
Relay in combination with base

Dimensional drawing



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Drawings
Miscellaneous

		RCM															with LED		
Type	RIDER	Control	Multiple																
Type of contact																			
2	2CO																		
3	3CO																		
5	4CO																		
Contact material																			
7	AgNi 90/10	with test button																	
8	AgNi 90/10	hgp, with test button																	

Type codes