

RCM570AE8**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

- 4 CO contacts
- DC coils
- With integrated status LED, free-wheeling diode and test button

General ordering data

Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 6 A, Plug-in connection
Order No.	8957180000
Type	RCM570AE8
GTIN (EAN)	4032248755455
Qty.	10 pc(s).

Creation date March 30, 2021 12:02:50 AM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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	30.5 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
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Control side

Coil resistance	3072 $\Omega \pm 10\%$	Power rating	787 mW
Protective circuit	Free-wheeling diode	Pull-in/drop-out voltage, typ.	36 V / 4.8 V DC
Rated control voltage	48 V DC	Rated current DC	16.2 mA
Status indicator	Green LED		

Load side

AC switching capacity (resistive), max.	1500 VA	Continuous current	6 A
DC switching capacity (resistive), max.	144 W @ 24 V	Inrush current	12 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	≤ 20 ms
Switch-on delay	≤ 15 ms		

Contact data

Contact type	4 CO contact (AgNi 90/10)	Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ 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

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.	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	5 kV (1.2/50 μ s)	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	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011762	Certificate No. (cURus)	E224238

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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	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

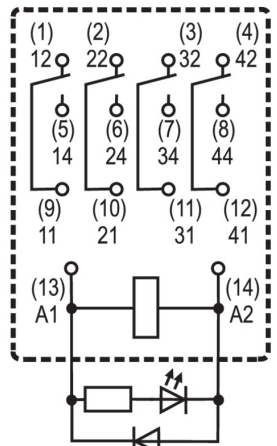
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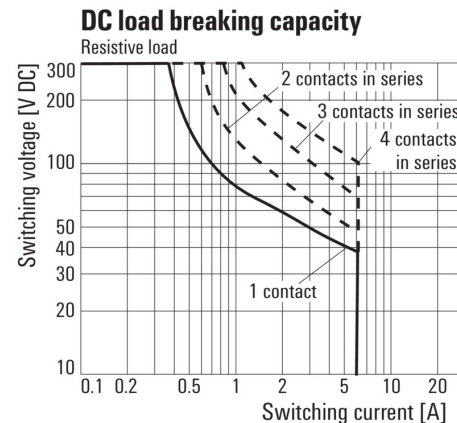
Drawings

Wiring diagram



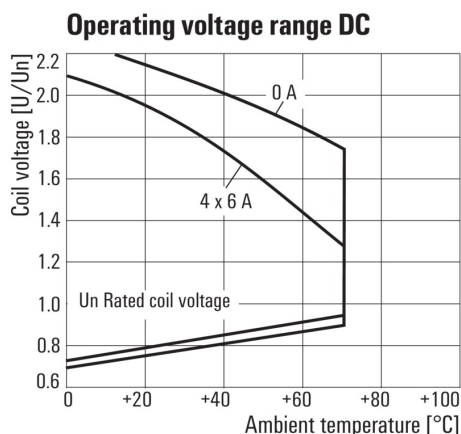
View of Pins from below

Graph



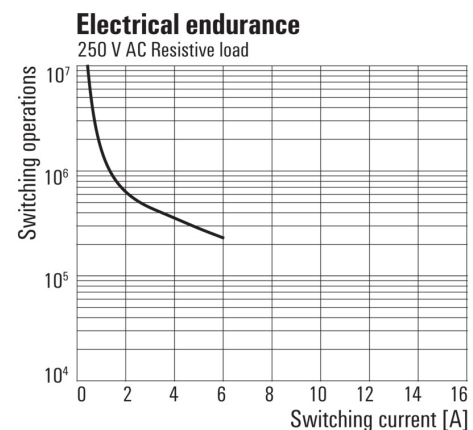
DC load limit curve
Resistive load

Graph



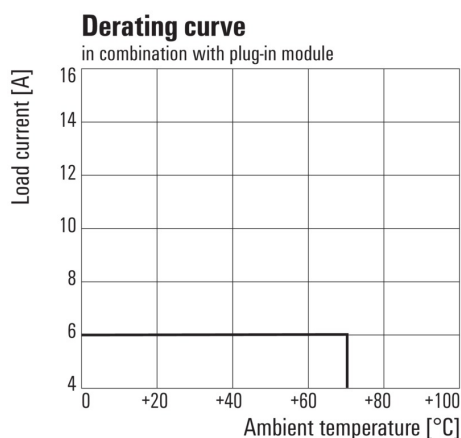
DC operational voltage range

Graph



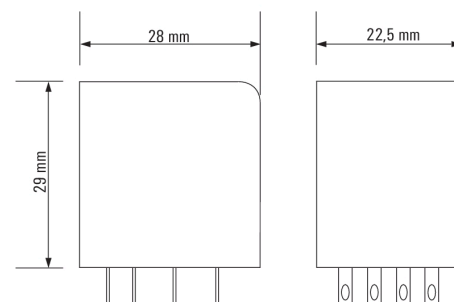
Electrical service life
250 V AC resistive load

Graph



Derating curve
Relay in combination with base

Dimensional drawing



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Drawings

Miscellaneous

		RCM						
Type							with LED	
RIDER Control Multiple							LED + diode	
Type of contact						Coil voltage		
2 2CO						006 6 V DC	L06	
3 3CO						012 12 V DC	L12	AB2
5 4CO						024 24 V DC	L24	AC4
						048 48 V DC	L48	AE8
						060 60 V DC	L60	
						110 110 V DC	M10	BB0
						220 220 V DC	N20	
Contact material								
7 AgNi 90/10 with test button						506 6 V AC	R06	
8 AgNi 90/10 hgp, with test button						512 12 V AC	R12	
						524 24 V AC	R24	
						548 48 V AC	R48	
						615 115 V AC	S15	
						730 230 V AC	T30	
						Type of construction		
						0	Standard, 2,8mm Faston	

Type codes