

**RIDERSERIES RCM
RCM580615**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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Fax: +49 5231 14-292083
www.weidmueller.com

Product image

Similar to illustration

Standard relays in the RIDERSERIES RCM

- 4 CO contacts
- Optionally AC or DC coils
- with test button
- With hard gold-plated contacts

General ordering data

Type	RCM580615
Order No.	8824860000
Version	RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact with test button AgNi 5µm Au, Rated control voltage: 115 V AC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248526352
Qty.	10 pc(s).

Creation date September 12, 2020 6:22:09 AM CEST

Catalogue status 28.08.2020 / 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	29.7 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	115 V AC	Rated current AC	8.8 mA
Power rating	1.0 VA	Pull-in/drop-out voltage, typ.	92 V / 34.5 V AC
Coil resistance	4845 $\Omega \pm 12\%$		

Output

Rated switching voltage	240 V AC		
Rated switching voltage	Voltage type	AC	
	max.	250 V	
Max. switching voltage, AC	240 V		
Continuous current	6 A		
Continuous current	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 @ 1 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 5 μ m Au)		

General data

Test button	yes (lockable)	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	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)

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

Downloads

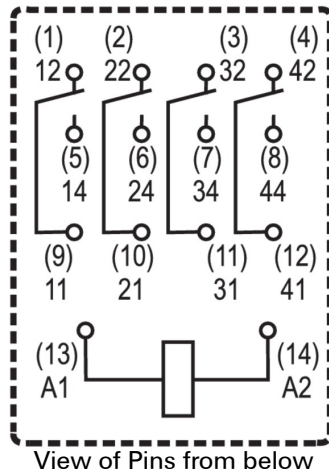
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

RIDERSERIES RCM RCM580615

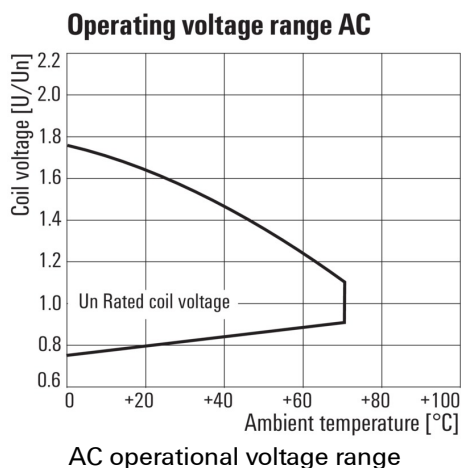
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Drawings

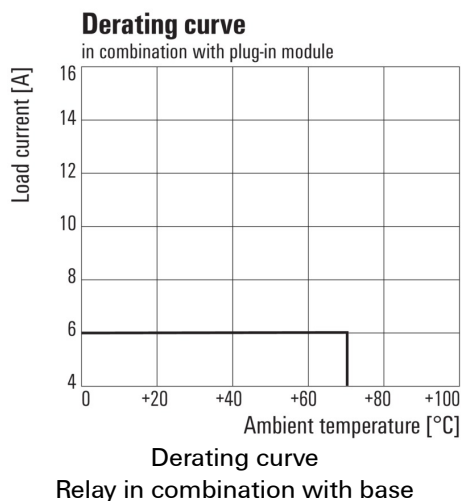
Wiring diagram



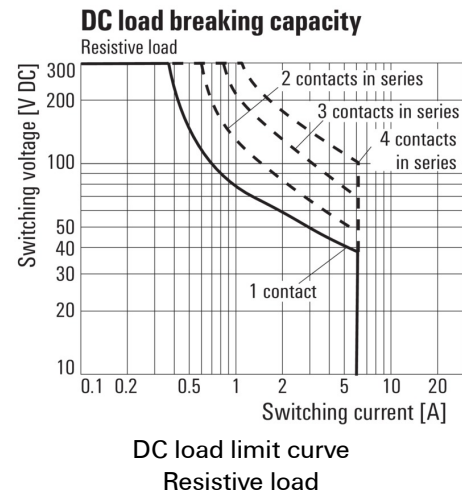
Graph



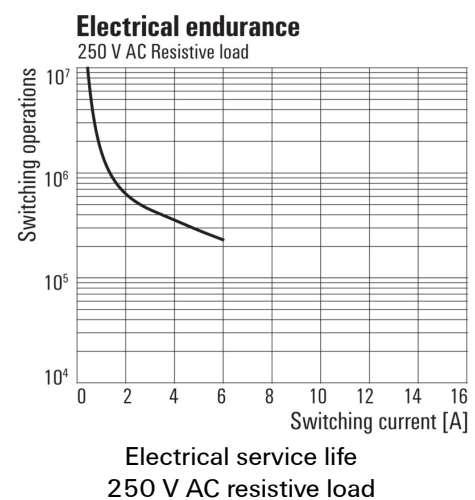
Graph



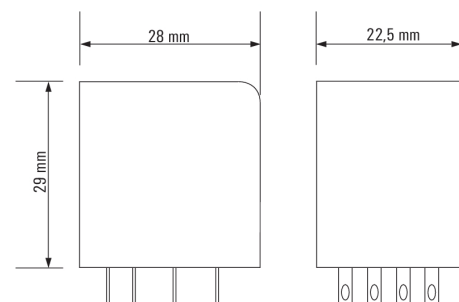
Graph



Graph



Dimensional drawing



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Drawings
Miscellaneous

		RCM						
Type							Coil voltage	with LED + diode
RIDER Control Multiple							006 6 V DC	L06
Type of contact							012 12 V DC	L12 AB2
2 2CO							024 24 V DC	L24 AC4
3 3CO							048 48 V DC	L48 AE8
5 4CO							060 60 V DC	L60
Contact material							110 110 V DC	M10 BBO
7 AgNi 90/10 with test button							220 220 V DC	N20
8 AgNi 90/10 hgp, with test button							506 6 V AC	R06
							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