

RIDERSERIES RCM RCM570S15

Weidmüller Interface GmbH & Co. KG

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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	RCM570S15
Order No.	8690150000
Version	RIDERSERIES RCM, Relay, No. of contacts: 4 CO contact with test button AgNi 90/10, Rated control voltage: 115 V AC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248360802
Qty.	10 pc(s).

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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	28.2 g		

Temperatures

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

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 Ω ± 12 %	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

No. of contacts	4	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 ⁶ Switch. cycles, DC coil 30 x 10 ⁶ Switch. cycles

General data

Test button	Yes	UL 94 flammability rating	V-0
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Insulation coordination

Rated voltage	250 V	Creepage and clearance distance input – output	≥ 4 mm
Dielectric strength input – output	2.5 kV _{eff} / 1 min.	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)
Protection degree	IP20	Insulating material group	IIIa
Pollution severity	2	Surge voltage category	III

Further details of approvals / standards

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