

**RIDERSERIES  
RCM570110**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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**

Order No.	<a href="#">8074700000</a>
Type	RCM570110
Version	RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4008190158323
Qty.	10 pc(s).

**RIDERSERIES**  
**RCM570110**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**
**Ratings**

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	30 g	UL 94 flammability rating	V-0

**Dimensions and weights**

Width	22.5 mm	Height	28 mm
Depth	29 mm	Weight	30 g
Net weight	28 g		

**Temperatures**

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
-----------------------	-----------------	---------------------	-----------------

**Input**

Rated control voltage	110 V DC	Rated current DC	6.8 mA
Coil resistance	16,133 Ω ± 15 %	Power rating	750 mW
Pull-in (sparkover) / drop-out voltage DC coil	82.5 V / 11 V		

**Output**

Rated switching voltage	240 V AC	Max. switching voltage, AC	240 V
Continuous current	6 A	making current	12 A / 20 ms
Max. switching power	1500 VA	Response time	15 ms / 10 ms
Duration of Bounce	5 ms	Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA
Max. switching frequency at rated load	0.1 Hz		

**Contact specifications**

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

**Insulation coordination**

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≥ 4 mm
Dielectric strength for control side - load side	2.5 KV <sub>eff</sub> / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)
Protection degree	IP 50	Insulating material group	IIIa

**Other technical data**

Version	Without LED
---------	-------------

**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
-----------	--------------------

**RIDERSERIES  
RCM570110**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	39-12-15-35
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

**Approvals**

Approvals

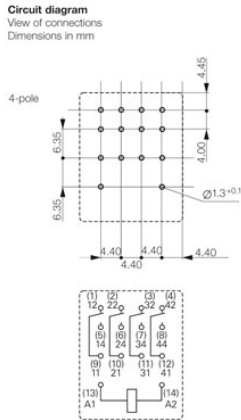
**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

**RIDERSERIES  
RCM570110**

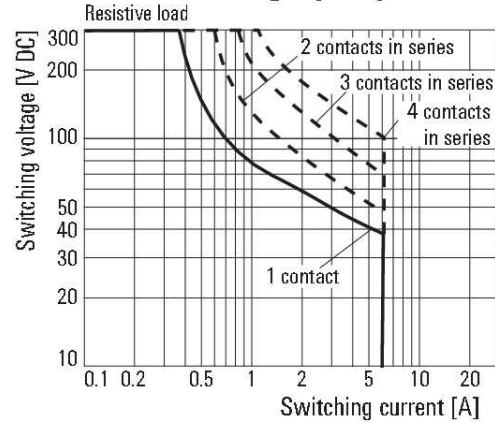
**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Drawings**

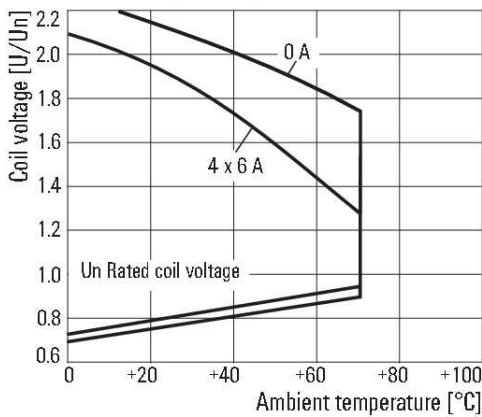
**Electric symbol**



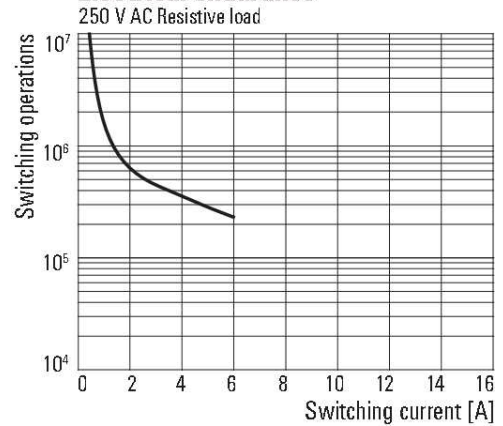
**DC load breaking capacity**



**Operating voltage range DC**



**Electrical endurance**



**RIDERSERIES  
RCM570110**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Drawings**

<b>Type code</b>	<input type="text" value="RCM"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
<b>Type</b>	<input type="text" value="RIDER Control Multiple"/>						with LED + diode
<b>Contacts</b>							
2	2 CO contacts						
3	3 CO contacts						
5	4 CO contacts						
<b>Contact material</b>							
7	AgNi 90/10, with test button						
8	AgNi 90/10 hgp, with test button						
<b>Type of construction</b>							
0	Standard, 2.8 mm Faston						
						<b>DC coil</b>	
						006	6 V DC L06
						012	12 V DC L12 AB2
						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
						<b>AC coil</b>	
						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