

**RIDERSERIES
RCM580730****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
- With hard gold-plated contacts

General ordering data

Order No.	7940007637
Type	RCM580730
Version	RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 5µm Au, Rated control voltage: 230 V AC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248526345
Qty.	10 pc(s).

RIDERSERIES
RCM580730

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
UL 94 flammability rating	V-0		

Dimensions and weights

Width	22.5 mm	Height	28 mm
Depth	29 mm	Net weight	29.9 g

Temperatures

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

Input

Rated control voltage	230 V AC	Rated current AC	4.3 mA
Coil resistance	19,465 $\Omega \pm 15\%$	Power rating	1.0 VA
Response / drop-out voltage AC coil	184 V / 69 V		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	250 V
Continuous current	6 A	making current	12 A / 20 ms
Max. switching power	1500 VA	Response time	15 ms / 10 ms
Min. switching power	1 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 5 μ m Au	Mechanical service life	AC coil 20 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ 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 _{eff} / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μ s)
Protection degree	IP 20	Insulating material group	IIIa

Other technical data

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

Further details of approvals / standards

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

RIDERSERIES
RCM580730**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

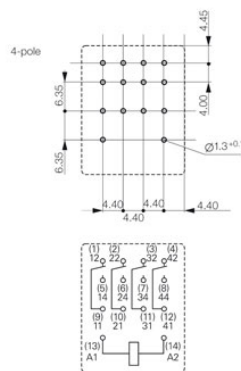
**Downloads**Declaration of Conformity [K295_12_10.pdf](#)

RIDERSERIES RCM580730

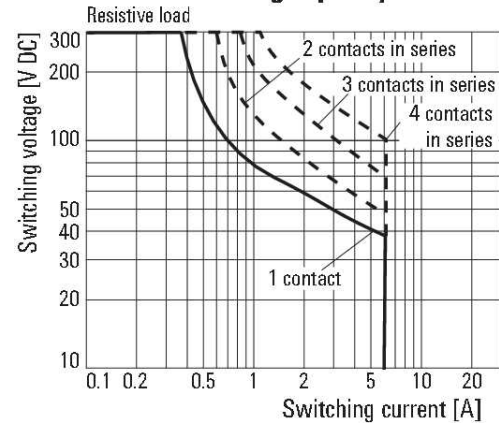
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

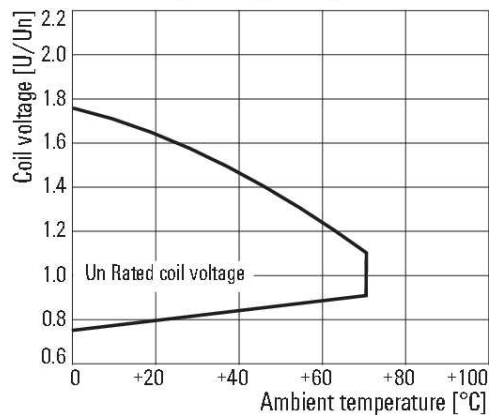
Circuit diagram
View of connections
Dimensions in mm



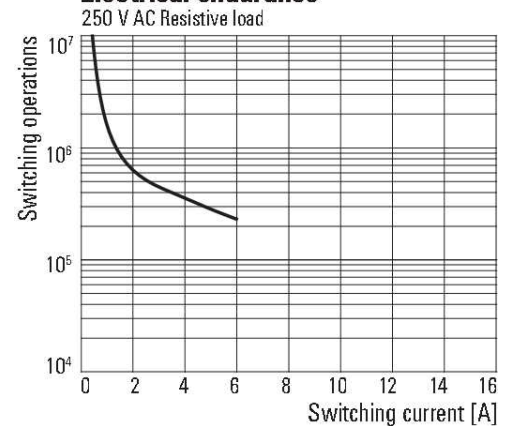
DC load breaking capacity



Operating voltage range AC



Electrical endurance



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

[illegible]