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**RIDERSERIES  
RCM580524**

**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.	<a href="#">7940008171</a>
Type	RCM580524
Version	RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 5µm Au, Rated control voltage: 24 V AC, Continuous current: 6 A, Plug-in connection
GTIN (EAN)	4032248526390
Qty.	10 pc(s).

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**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	37 g

**Temperatures**

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

Rated control voltage	24 V AC	Rated current AC	41.6 mA
Coil resistance	192 Ω ± 10 %	Power rating	1.0 VA
Response / drop-out voltage AC coil	19.2 V / 7.2 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 5µm Au	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 20	Insulating material group	IIIa

**Other technical data**

Version	Without LED
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**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
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**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

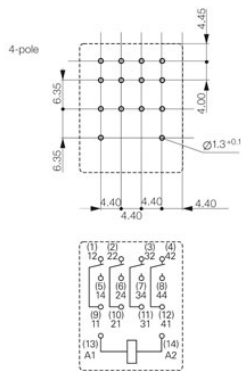
**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

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RCM580524**

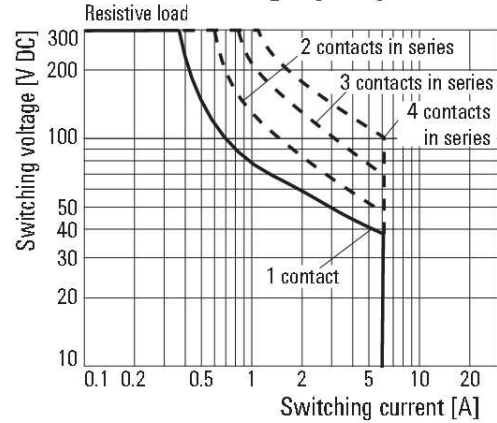
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**Drawings**

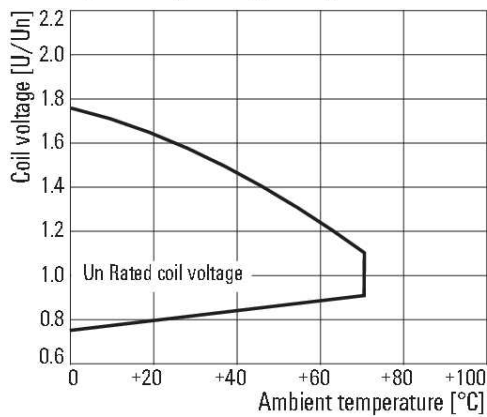
**Circuit diagram**  
View of connections  
Dimensions in mm



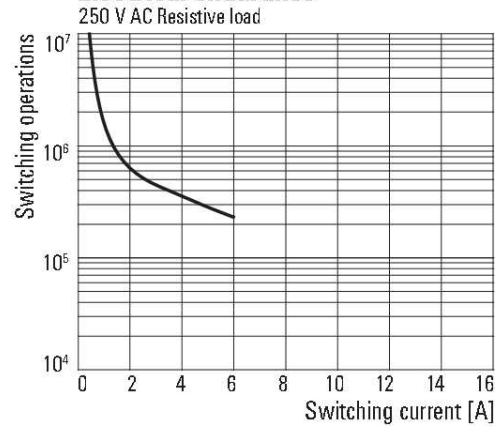
**DC load breaking capacity**



**Operating voltage range AC**



**Electrical endurance**



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**Drawings**

<b>Type code</b>			<b>RCM</b>							
<b>Type</b>	<b>RIDER Control Multiple</b>									with LED
<b>Contacts</b>	2 2 CO contacts									with LED + diode
	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							