

**RIDERSERIES
RCM270L48**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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 www.weidmueller.com



Standard relays in the RIDERSERIES RCM

- 2 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.	8689890000
Type	RCM270L48
Version	RIDERSERIES, Relais, No. of contacts: 2, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V DC, Continuous current: 12 A, Plug-in connection
GTIN (EAN)	4032248360567
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	29.3 g

Temperatures

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

Rated control voltage	48 V DC	Rated current DC	15.6 mA
Coil resistance	3,072 Ω ±10 %	Power rating	750 mW
Pull-in (sparkover) / drop-out voltage DC coil	36.0 V / 4.8 V	Status indicator	Green LED

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	12 A	making current	24 A / 20 ms
Max. switching power	3000 VA	Response time	15 ms / 10 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	2	Contact design	CO contact with test button
Contact material	AgNi 90/10	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 μs)
Protection degree	IP 20	Insulating material group	IIIa

Other technical data

Version	with LED	Status indicator	Green 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	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals



Downloads

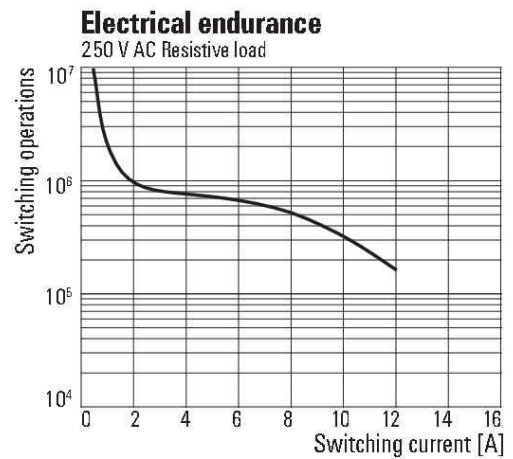
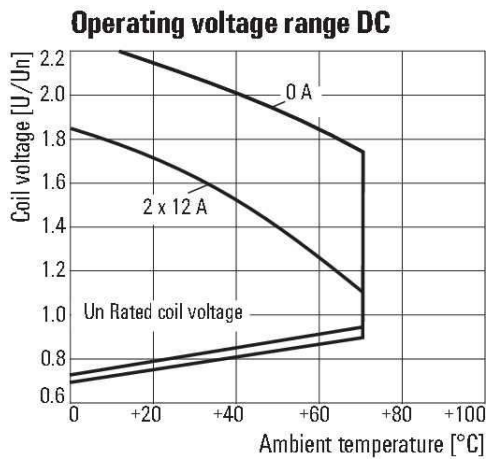
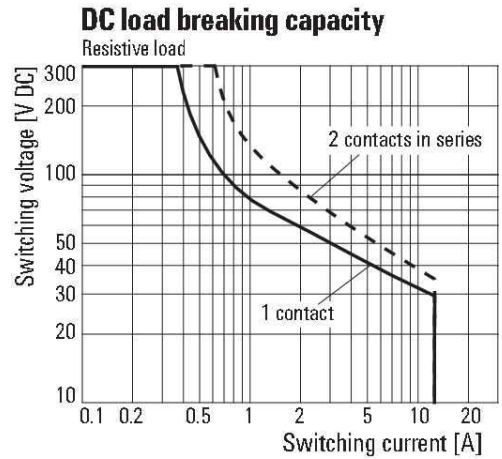
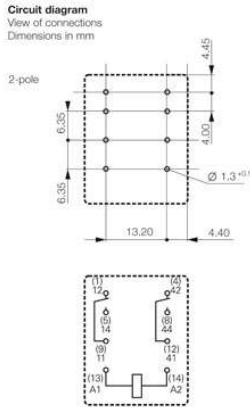
Declaration of Conformity [K295_12_10.pdf](#)

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Drawings

Pinning



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Drawings

Type code	RCM							
Type	RIDER Control Multiple				DC coil		with LED	with LED + diode
Contacts					006	6 V DC	L06	
2	2 CO contacts				012	12 V DC	L12	AB2
3	3 CO contacts				024	24 V DC	L24	AC4
5	4 CO contacts				048	48 V DC	L48	AE8
Contact material					060	60 V DC	L60	
7	AgNi 90/10, with test button				110	110 V DC	M10	BB0
8	AgNi 90/10 hgp, with test button				220	220 V DC	N20	
Type of construction					AC coil			
0	Standard, 2.8 mm Faston				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	