

RIDERSERIES RCM RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
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Product image



Modular system comprised of:

- relay socket for rail mounting
- LED indicator unit
- retaining clip
- plug-in relay
- markers

General ordering data

Type	RCMKITP-I 24VDC 4CO LD
Order No.	8921120000
Version	RIDERSERIES RCM, Relay module, Number of contacts: 4 CO contact with test button AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 6 A, PUSH IN
GTIN (EAN)	4032248692330
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	28 mm	Width (inches)	1.102 inch
Height	98 mm	Height (inches)	3.858 inch
Depth	78.3 mm	Depth (inches)	3.083 inch
Net weight	96.45 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Rated control voltage	24 V DC	Rated current DC	31.3 mA
Power rating	740 mW	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	777 Ω ± 10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

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

Contact type	Mechanical service life	AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles
4 CO contact with test button (AgNi 90/10)		

General data

Rail	TS 35	Test button	yes (lockable)
Mechanical switch position indicator	Yes	Colour	Black

Insulation coordination

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

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Technical data**Further details of approvals / standards**

Standards	DIN EN 50178	Certificate no. (CSA) relay	249409-2426937
Certificate no. (CSA) base	249409-2295474	Certificate No. (DNVGL)	TAA000011A
Certificate no. (cURus) relay	E224238	Certificate no. (cURus) base	E223759

Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	12 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.75 mm ²
Clamping range, max.	1.5 mm ²	Wire cross-section, solid, min.	0.75 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	0.75 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire cross-section, finely stranded, max. (AWG)	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.75 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	0.75 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.75 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS Conform

Downloads

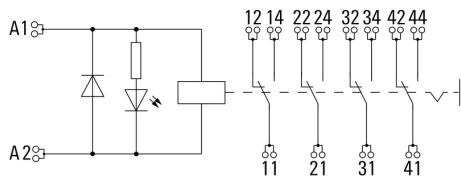
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP

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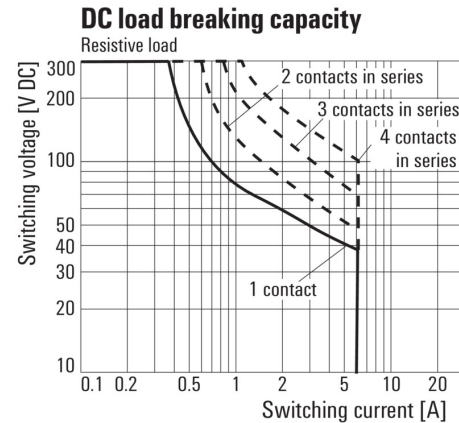
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Drawings

Wiring diagram

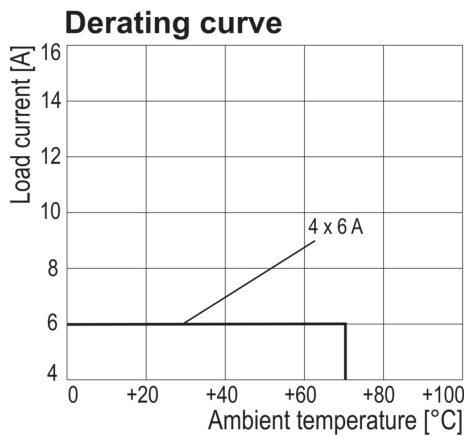


Graph



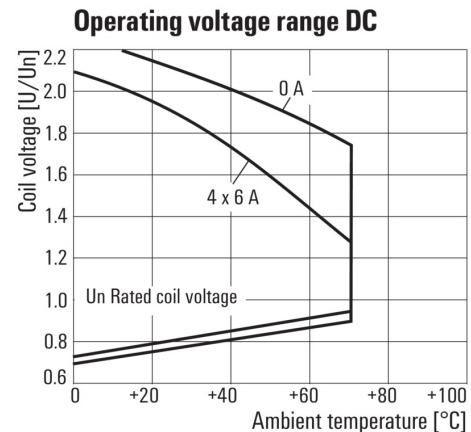
DC load limit curve
Resistive load

Graph



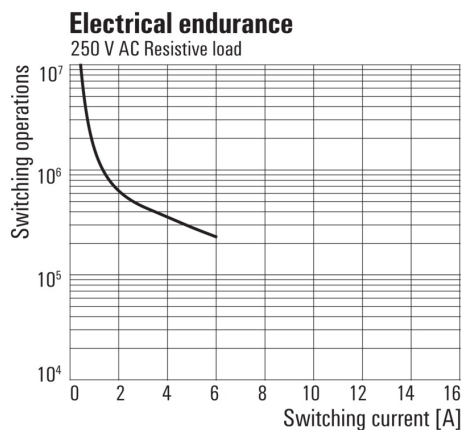
Derating curve
Relay in combination with base

Graph



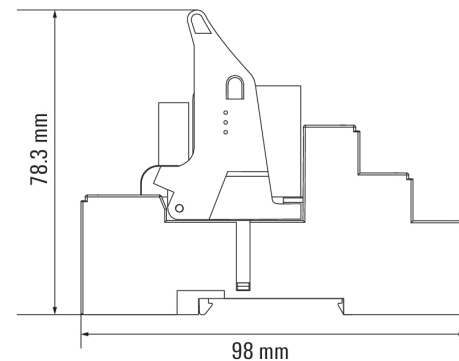
DC operational voltage range

Graph



Electrical service life 250 V AC resistive load
250 V AC resistive load

Dimensional drawing

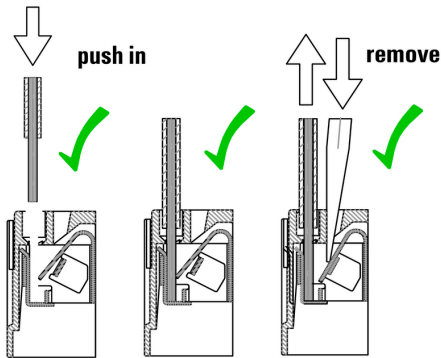


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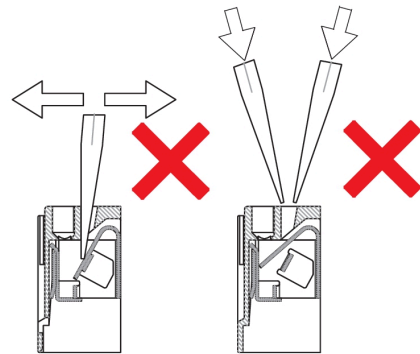
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Drawings

Correct handling PUSH IN connection



Wrong handling PUSH IN connection



Recommended screwdriver

