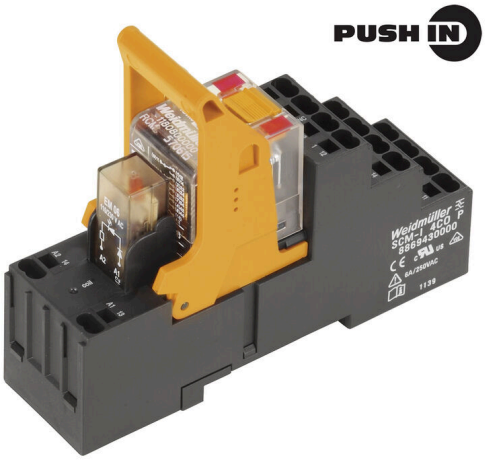
Data sheet

RCMKITP-I 24VAC 2CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 2 CO contacts
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)

General ordering data

Version	RIDERSERIES RCM, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 12 A, PUSH IN, Test button available: Yes
Order No.	8921090000
Type	RCMKITP-I 24VAC 2CO LD
GTIN (EAN)	4032248701964
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2025-12-31T00:00:00+01:00
Alternative product	CRMKIT P 24VAC 2CO L/PB

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	78.3 mm	Depth (inches)	3.0827 inch
Height	98 mm	Height (inches)	3.8583 inch
Width	28 mm	Width (inches)	1.1024 inch
Net weight	98.8 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	24 V AC	Rated current AC	55 mA
Power rating	1.32 VA	Coil resistance	192 Ω ± 10 %
Status indicator	red LED		

Load side

Rated switching voltage	240 V AC	Continuous current	12 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Inrush current	24 A / 20 ms	AC switching capacity (resistive), max.	3000 VA
DC switching capacity (resistive), max.	288 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms	Contact type	2 CO contact (AgNi)
Mechanical service life	AC coil 20 x 106 switching cycles, DC coil 30 x 106 switching cycles	Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

General data

Mounting rail	TS 35	Test button available	Yes
Version of test button	Lockable test button, Momentary test button	Mechanical switch position indicator	Yes
Colour	black		

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 4 mm	Dielectric strength for control side - load side	2.5 kVeff / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kVeff / 1 Min.	Dielectric strength of open contact	1.2 kVeff /1 min.

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Impulse withstand voltage	5 kV (1.2/50 µs)	Protection degree	IP20

Further details of approvals / standards

Relevant rim module	RIM-I 3 6/24VUC	Relevant relay	RCM270524
Relevant base	SCM-I 2CO P	Certificate no. (CSA) relay	249409-2426937
Certificate no. (CSA) base	249409-2295474	Certificate No. (DNV)	TAA000011A
Certificate no. (cURus) relay	E522350	Certificate no. (cURus) base	E223759

Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	12 mm
Clamping range, rated connection	1.5 mm²	Clamping range, min.	0.75 mm²
Clamping range, max.	1.5 mm²	Wire cross-section, solid, min.	0.75 mm²
Wire cross-section, solid, max.	1.5 mm²	Wire cross-section, solid, max. (AWG)	AWG 16
Wire connection cross section, finely stranded, min.	0.75 mm²	Wire connection cross section, finely stranded, max.	1.5 mm²
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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	0.75 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.75 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1 mm²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

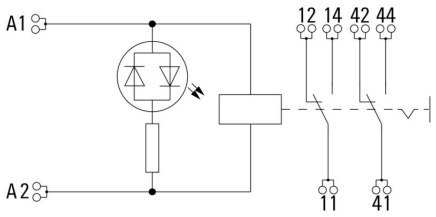
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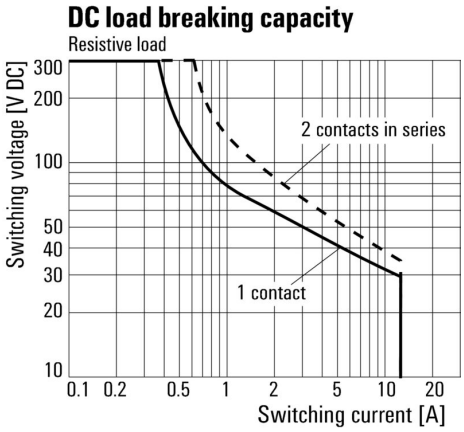
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Drawings

Wiring diagram

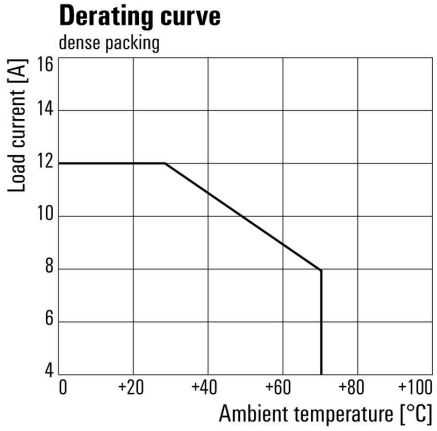


Graph



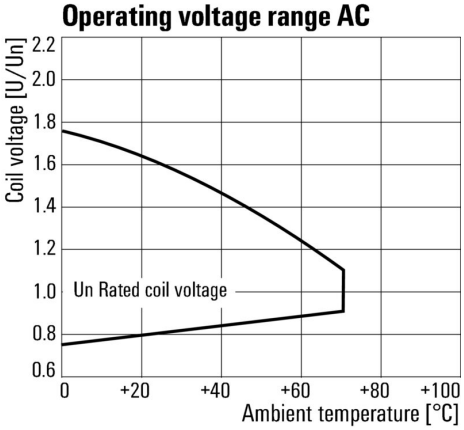
DC load limit curve Resistive load

Graph



Derating curve Relay in combination with base

Graph



AC operational voltage range

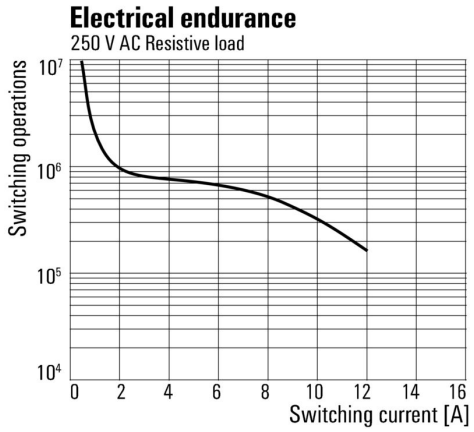
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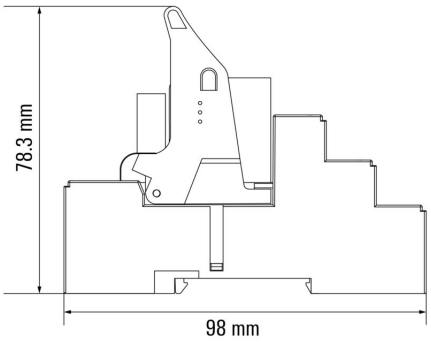
Drawings

Graph

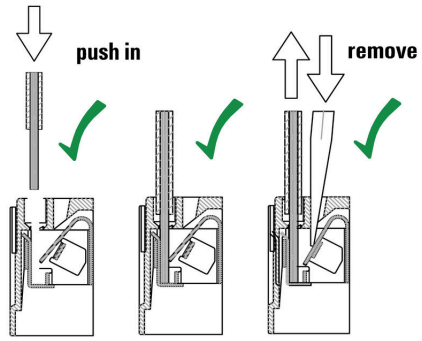


Electrical service life250 V AC
resistive load 250 V AC resistive load

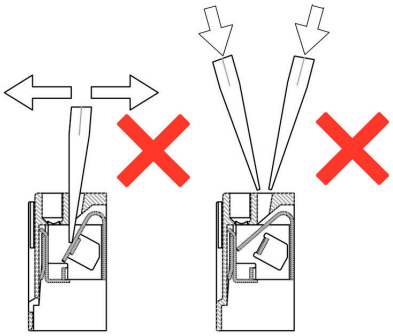
Dimensional drawing



Correct handling PUSH IN connection



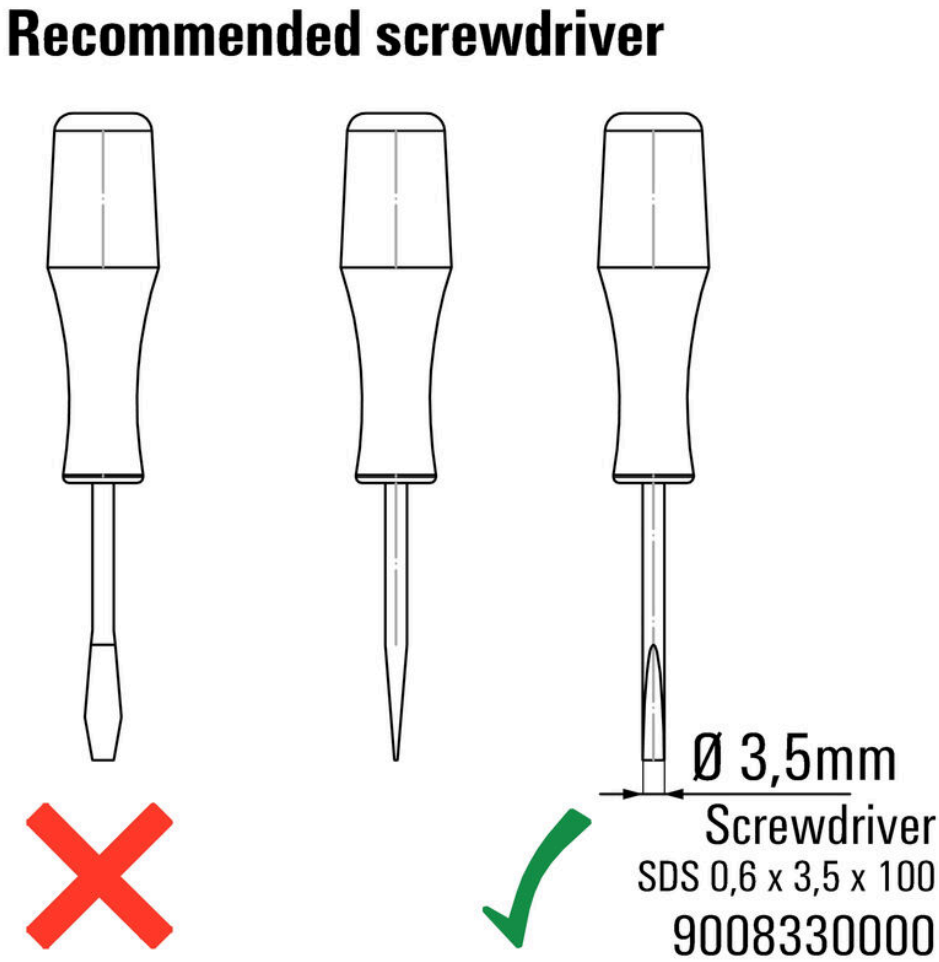
Wrong handling PUSH IN connection



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Drawings



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Drawings

