

RIDERSERIES RCM RCMKIT-I 24VDC 4CO LD

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Modular system comprised of:

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

General ordering data

Type	RCMKIT-I 24VDC 4CO LD
Order No.	8921030000
Version	RIDERSERIES RCM, Relay module, No. of contacts: 4 CO contact with test button AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248692279
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	27.2 mm	Width (inches)	1.071 inch
Height	77 mm	Height (inches)	3.031 inch
Depth	78.3 mm	Depth (inches)	3.083 inch
Net weight	99.9 g		

Temperatures

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

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-wheel diode		

Output

Rated switching voltage	250 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

No. of contacts	4	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	AC coil 20 x 10 ⁶ Switch. cycles, DC coil 30 x 10 ⁶ Switch. cycles

General data

Test button	Yes	UL 94 flammability rating	V-0
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Insulation coordination

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

Further details of approvals / standards

Standards	DIN EN 50178	Certificate no. (CSA) relay	249409-2426937
Certificate no. (CSA) base	249409-2295474	Certificate No. (GERMLLOYD)	54702-08
Certificate no. (cURus) relay	E224238	Certificate no. (cURus) base	E223759