RIDERSERIES RCM
RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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).
Relevant relay	8690200000
Relevant rim module	8869600000
Relevant base	8869430000

Creation date August 22, 2020 12:40:34 PM CEST

RIDERSERIES RCM
RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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

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

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)

RIDERSERIES RCM
RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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
Certificate no. (cURus) LED / protection modules	E223759TYCO2		

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 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 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

RIDERSERIES RCM
RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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 life250 V AC resistive load
250 V AC resistive load

Dimensional drawing

RIDERSERIES RCM
RCMKITP-I 24VDC 4CO LD

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Correct handling PUSH IN connection

Wrong handling PUSH IN connection

Recommended screwdriver