Data sheet

CRMKIT P 48VDC 4CO L/D UL

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

www.weidmueller.com



General ordering data

Version	, Number of contacts: 4, CO contact AgNi, Rated control voltage: 24 V DC, 48 V DC, Continuous current: 7 A, PUSH IN, Test button available: No
Order No.	8000158962
Type	CRMKIT P 48VDC 4CO L/D UL
GTIN (EAN)	4099987370899
Qty.	10 items

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Technical data

Approvals

Approvals	
UL File Number Search	UL Website
Certificate No. (cURus)	E223474

Dimensions and weights

Depth	72.5 mm	Depth (inches)	2.8543 inch
Height	97 mm	Height (inches)	3.8189 inch
Width	31 mm	Width (inches)	1.2205 inch
Net weight	797.6 g		

Temperatures

Storage temperature		Ambient temperature	-20 °C...70 °C
Operating temperature			

Environmental Product Compliance

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

Rated data UL

Certificate No. (cURus)	E223474

Control side

Rated control voltage	24 V DC, 48 V DC	Rated current DC	45 mA
Power rating	1.2 W	Coil resistance	640 Ω ± 10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode
Coil voltage of the replacement relay deviating from the rated control voltage	No	Coil voltage of the replacement relay	24 V DC

Load side

Rated switching voltage	250 V AC	Continuous current	7 A
Max. switching frequency at rated load	0.1 Hz	Switching voltage (AC), max.	250 V
Switching voltage (DC), max.	250 V	Inrush current	16 A / 20 ms
AC switching capacity (resistive), max.	1500	DC switching capacity (resistive), max.	168 W @ 24 V
Switch-on delay	≤ 15 ms	Switch-off delay	≤ 9 ms
Contact type	4 CO contact (AgNi)	Mechanical service life	2 x 107 switching cycles

General data

Operating altitude	≤ 2000 m, above sea level	
Mounting rail	TS 35	
Test button available	No	
Colour	black	
UL94 flammability rating component	Component	Socket
	UL94 flammability rating	V-0
	Component	Relay cover
	UL94 flammability rating	V-2

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Insulation coordination

Pollution severity	2	Surge voltage category	II
Dielectric strength for control side - load side	4 kVeff / 1 Min.	Dielectric strength of neighbouring contacts	3 KVeff / 1 Min.
Dielectric strength to mounting rail	3 kVeff / 1 min.	Impulse withstand voltage	4 kV (1.2/50 µs)
Protection degree	IP20		

Further details of approvals / standards

Certificate No. (cURus)	E223474

Connection data

Wire connection method	PUSH IN	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	1.5 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, min. (AWG)	AWG 20	Wire cross-section, solid, max. (AWG)	AWG 16
Twin wire-end ferrules, max.	1.5 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		