Data sheet

CRMKIT S 230VAC 4CO L/PB 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: 230 V AC, Continuous current: 6 A, Screw connection, Test button available: Yes
Order No.	8000159002
Type	CRMKIT S 230VAC 4CO L/PB UL
GTIN (EAN)	4099987371315
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	68.2 mm	Depth (inches)	2.685 inch
Height	80.3 mm	Height (inches)	3.1614 inch
Width	26.9 mm	Width (inches)	1.0591 inch
Net weight	785.6 g		

Temperatures

Storage temperature		Ambient temperature	-40 °C...55 °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	230 V AC	Rated current AC	9.5 mA
Power rating	2.3 VA	Coil resistance	16100 Ω ± 10 %
Status indicator	Green LED	Coil voltage of the replacement relay deviating from the rated control voltage	No
Coil voltage of the replacement relay	230 V AC		

Load side

Rated switching voltage	250 V AC	Continuous current	6 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	≤ 12 ms
Contact type	4 CO contact (AgNi)	Mechanical service life	2 x 107 switching cycles
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V		

General data

Operating altitude	≤ 2000 m, above sea level	
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	
UL94 flammability rating component	Component	Socket

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	UL94 flammability rating	V-2	
	Component	Relay cover	
	UL94 flammability rating	V-2	

Insulation coordination

Rated voltage	250 V	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	4 kVeff / 1 Min.	Protection degree	IP20

Further details of approvals / standards

Certificate No. (cURus)	E223474

Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Tightening torque, min.	0.7 Nm	Clamping range, rated connection	2.5 mm²
Clamping range, min.	2.5 mm²	Clamping range, max.	4 mm²
Wire connection cross section AWG, min.	AWG 20	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	2.5 mm²	Wire cross-section, solid, max.	4 mm²
Wire cross-section, solid, min. (AWG)	AWG 20	Wire cross-section, solid, max. (AWG)	AWG 16
Twin wire-end ferrules, min.	1.5 mm²	Twin wire-end ferrules, max.	2.5 mm²
Blade size	PZ 1		

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		