Data sheet

CRIKIT P 48VDC 1CO L/D UL

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

www.weidmueller.com



General ordering data

Version	, Number of contacts: 1, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 16 A, PUSH IN, Test button available: No
Order No.	8000158721
Type	CRIKIT P 48VDC 1CO L/D UL
GTIN (EAN)	4099987368001
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	15.9 mm	Width (inches)	0.626 inch
Net weight	885.2 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	48 V DC	Rated current DC	23.5 mA
Power rating	565 mW	Coil resistance	1440 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	16 A @ 1CO with bridged output wire connections; 12 A; @ 1CO without bridged output wire connections
Max. switching frequency at rated load	0.1 Hz	Switching voltage (AC), max.	250 V
Switching voltage (DC), max.	250 V	AC switching capacity (resistive), max.	4000
DC switching capacity (resistive), max.	384 W @ 24 V	Switch-on delay	≤ 12 ms
Switch-off delay	≤ 6 ms	Contact type	1 CO contact (AgNi)
Mechanical service life	3 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	No	
Colour	black	
UL94 flammability rating component	Component	Socket

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	UL94 flammability rating	V-0	
	Component	Relay cover	
	UL94 flammability rating	V-2	

Insulation coordination

Surge voltage category	II	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, max.	1.5 mm²	Wire cross-section, solid, min. (AWG)	AWG 20
Wire cross-section, solid, max. (AWG)	AWG 16	Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), 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		

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Accessories

Cross-connections



Cross-connection for the socktes in the CUBESERIES CRI.
- Versions with red and blue coloured plastic for potential coding

Versions for PUSH IN sockets:
- 8-pin cross connection for A1 and A2 of the coil
- 2-pin jumper to connect to the neighbored sockets
- 2-pin jumper to connect the output channels within one socket

Version for screw sockets:
- 8-pin cross connection to connect to the neighbored sockets

General ordering data

Type	CXI CCP 2P BL	Version
Order No.	3052660000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022484	
Qty.	20 ST	
Type	CXI CCP 2P RD	Version
Order No.	3052650000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022477	
Qty.	20 ST	
Type	CXI CCP 8P BL	Version
Order No.	3052700000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022507	
Qty.	10 ST	
Type	CXI CCP 8P RD	Version
Order No.	3052690000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022491	
Qty.	10 ST	
Type	CXI CCS 8P GY	Version
Order No.	3052620000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987022446	
Qty.	2 ST	
Type	CXX JMP 2P BL	Version
Order No.	3053260000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023085	
Qty.	30 ST	
Type	CXX JMP 2P RD	Version
Order No.	3053250000	CUBESERIES, Cross-connector
GTIN (EAN)	4099987023078	
Qty.	30 ST	