Data sheet

CRIKIT S 24VDC 2CO L/D/PB UL

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

www.weidmueller.com



General ordering data

Version	, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 8 A, Screw connection, Test button available: Yes
Order No.	8000158761
Type	CRIKIT S 24VDC 2CO L/D/PB UL
GTIN (EAN)	4099987368407
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	72.8 mm	Depth (inches)	2.8661 inch
Height	80 mm	Height (inches)	3.1496 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	476.2 g		

Temperatures

Storage temperature		Ambient temperature	-40 °C...70 °C
Operating temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7cl
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E223474

Control side

Rated control voltage	24 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	8 A
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.	2000 VA
DC switching capacity (resistive), max.	192 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 8 ms	Contact type	2 CO contact (AgNi)
Mechanical service life	3 x 107 switching cycles, 5 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

Surge voltage category	II	Dielectric strength for control side - load side	5 kVeff / 1min
Dielectric strength of neighbouring contacts	3 KVeff / 1 Min.	Dielectric strength to mounting rail	5 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	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 cross-section, solid, min.	2.5 mm²	Wire cross-section, solid, max.	4 mm²
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		

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Accessories

With test button



Individual relays within the CUBESERIES CRI with test button
- Control voltages from 12 - 110 V DC and 24 - 230V AC
- 2 CO contacts (8A)
- With test buttons with colour coding (AC coil: orange, DC coil: blue)
- With mechanical status indicator

General ordering data

Type	CRI20024T	Version
Order No.	3052510000	CUBESERIES, Relay, Number of contacts: 2, CO contact AgNi, Rated
GTIN (EAN)	4099987022347	control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection,
Qty.	10 ST	Test button available: Yes

Relay sockets



Relay sockets for the CUBESERIES CRI relays
- 2 CO output version for 1 CO and 2 CO relays
- Screw and PUSH IN connection
- PUSH IN sockets with wide pushers for screwdrivers up to 1.0 x 5.5 mm blade size
- Various cross connection possibilities
- Matching accessories such as cross-connections, retaining clips and LED modules

General ordering data

Type	CSI S 2CO	Version
Order No.	3052590000	CUBESERIES, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	4099987022422	Continuous current: 8 A, Screw connection
Qty.	10 ST	

Retaining clips



Retaining clips for CUBESERIES CRI relays.
Plastic retaining clip:
- With relay ejector function
- Marking slots for MultiFit markers
- Fits on relays with and without test button

Metal retaining clip:
- For a strong hold of the relay in the socket
- Individual versions for relays with and without test button

General ordering data

Type	CXI CLIP P	Version
Order No.	3052710000	CUBESERIES, Retaining clip
GTIN (EAN)	4099987022514	
Qty.	10 ST	

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Accessories

LED and free-wheeling diode



General ordering data

Type	CXX LD 41G	Version
Order No.	3053310000	CUBESERIES, LED module with freewheel diode, Rated control
GTIN (EAN)	4099987023115	voltage: 6...24 V DC, Plug-in connection
Qty.	20 ST	