Data sheet

# CRIKIT P 230VAC 1CO L/PB 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: 230 V AC, Continuous current: 16 A, PUSH IN, Test button available: Yes |
| Order No. | 8000158729 |
| Type | CRIKIT P 230VAC 1CO L/PB UL |
| GTIN (EAN) | 4099987368087 |
| 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 | 886.2 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 | 230 V AC | Rated current AC | 5.7 mA |
| Power rating | 1.29 VA | Coil resistance | 32500 Ω ± 15 % |
| 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 | 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 | ≤ 20 ms |
| Switch-off delay | ≤ 16 ms | Contact type | 1 CO contact (AgNi) |
| Mechanical service life | 1 x 106 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 |

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## Technical data

| | | |
|---|---|---|
| Mechanical switch position indicator | Yes | |
| Colour | black | |
| UL94 flammability rating component | Component | Socket |
| | UL94 flammability rating | V-0 |
| | 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 of open contact | 1 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 | 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 | |