Data sheet

# CRMKIT P 48VDC 2CO L/D 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, 48 V DC, Continuous current: 12 A, PUSH IN, Test button available: No |
| Order No. | 8000158948 |
| Type | CRMKIT P 48VDC 2CO L/D UL |
| GTIN (EAN) | 4099987370752 |
| 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 | 12 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. | 3000 |
| DC switching capacity (resistive), max. | 288 W @ 24 V | Switch-on delay | ≤ 15 ms |
| Switch-off delay | ≤ 6 ms | Contact type | 2 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 | No | |
| Mechanical switch position indicator | Yes | |
| Colour | black | |
| UL94 flammability rating component | Component | Socket |
| | UL94 flammability rating | V-0 |
| | Component | Relay cover |

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| | | | |
|---|---|---|---|
| | UL94 flammability rating | V-2 | |

### Insulation coordination

| | | | |
|---|---|---|---|
| Rated voltage | 250 V | 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. |
| 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 |
| 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 | | |