

CRKIT P 110VDC 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: 110 V DC, Continuous current: 16 A, PUSH IN, Test button available: No |
| Order No. | 8000158571 |
| Type | CRKIT P 110VDC 1CO L/D UL |
| GTIN (EAN) | 4099987365086 |
| 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 | 110 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 | Max. switching voltage, AC | 250 V |
| Max. switching voltage, DC | 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 10 ⁷ 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 |

Creation date 29.06.2026 06:59:19 MEZ

Catalogue status / Drawings

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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 mm ² | Clamping range, min. | 0.5 mm ² |
| Clamping range, max. | 1.5 mm ² | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire cross-section, solid, max. | 1.5 mm ² | Wire cross-section, solid, min. (AWG) | AWG 20 |
| Wire cross-section, solid, max. (AWG) | AWG 16 | Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 1.5 mm ² |
| 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 | | |