

CRIKIT S 24VDC 1CO 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: 1, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 16 A, Screw connection, Test button available: Yes |
| Order No. | 8000158747 |
| Type | CRIKIT S 24VDC 1CO L/D/PB UL |
| GTIN (EAN) | 4099987368261 |
| Qty. | 10 items |

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Technical data

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 | 1025.2 g | | |

Temperatures

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

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 | 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 | 5 x 10 ⁶ 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 |
| | 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 | 5 kVeff / 1 min side |
| 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 |

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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 mm ² |
| Clamping range, min. | 2.5 mm ² | Clamping range, max. | 4 mm ² |
| Wire cross-section, solid, min. | 2.5 mm ² | Wire cross-section, solid, max. | 4 mm ² |
| Twin wire-end ferrules, min. | 1.5 mm ² | Twin wire-end ferrules, max. | 2.5 mm ² |
| 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 | | |