Data sheet

# DRIKIT 12VDC 2CO LD/PB

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

www.weidmueller.com

## Product image




Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 2 CO contacts
- Optional with mechanical status indicator
- Optional Test button with coloured identification of coils (AC red / DC blue)
- Bright status LED (AC coil: red / DC coil: green)

### General ordering data

| | |
|---|---|
| Version | D-SERIES DRI, Relay module, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 12 V DC, Continuous current: 5 A, Screw connection, Test button available: Yes |
| Order No. | 2476880000 |
| Type | DRIKIT 12VDC 2CO LD/PB |
| GTIN (EAN) | 4050118497106 |
| Qty. | 10 items |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 68 mm | Depth (inches) | 2.6772 inch |
| Height | 80.2 mm | Height (inches) | 3.1575 inch |
| Width | 15.8 mm | Width (inches) | 0.622 inch |
| Net weight | 64 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C...85 °C | Ambient temperature | -40 °C...55 °C |
| Operating temperature | | Humidity | 35...85 % rel. humidity, no condensation |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cI |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 611f3393-31e7-4ef5-8360-95619a629f27 |

### Control side

| | | | |
|---|---|---|---|
| Rated control voltage | 12 V DC | Rated current DC | 44,4 mA |
| Power rating | 530 mW | Coil resistance | 270 Ω ± 10 % |
| Status indicator | Green LED | Protective circuit | Free-wheeling diode |

### Load side

| | | | |
|---|---|---|---|
| Rated switching voltage | 250 V AC | Continuous current | 5 A |
| 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. | 1250 VA |
| DC switching capacity (resistive), max. | 150 W @ 24 V | Switch-on delay | ≤ 15 ms |
| Switch-off delay | ≤ 10 ms | Contact type | 2 CO contact (AgSnO) |
| Mechanical service life | 10 x 106 switching cycles | Min. switching power | 10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

### General data

| | | |
|---|---|---|
| Mounting rail | TS 35 | |
| Test button available | Yes | |
| Version of test button | Lockable test button, Momentary test button | |
| Mechanical switch position indicator | No | |
| Colour | black | |
| UL94 flammability rating component | Component | Housing |
| | UL94 flammability rating | V-2 |
| | Component | Mounting foot |
| | UL94 flammability rating | HB |
| | Component | Retaining clip |
| | UL94 flammability rating | HB |

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| | |
|---|---|
| Component | Relay cover |
| UL94 flammability rating | V-2 |
| Component | Relay baseplate |
| UL94 flammability rating | V-0 |
| Component | Relay test button |
| UL94 flammability rating | HB |

### Insulation coordination

| | | | |
|---|---|---|---|
| Rated voltage | 250 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | IIIb |
| Clearance and creepage distances for control side - load side | ≥ 3 mm | Dielectric strength for control side - load side | 4 kVeff / 1 min |
| Dielectric strength of neighbouring contacts | 1.5 kVeff /1 min. | Dielectric strength of open contact | 1 kVeff / 1 min |
| Impulse withstand voltage | 4.8 kV (1.2/50 µs) | Protection degree | IP20 |

### Further details of approvals / standards

| | | | |
|---|---|---|---|
| Relevant relay | DRI424012LTD | Relevant base | SDI 2CO |
| Certificate no. (cURus) relay | E312083 | Certificate no. (cURus) base | E355547 |

### Connection data

| | | | |
|---|---|---|---|
| Wire connection method | Screw connection | Stripping length, rated connection | 8 mm |
| Tightening torque, min. | 0.5 Nm | Tightening torque, max. | 0.8 Nm |
| Clamping range, rated connection | 1.5 mm² | Clamping range, min. | 0.25 mm² |
| Clamping range, max. | 4 mm² | Wire cross-section, solid, min. | 0.25 mm² |
| Wire cross-section, solid, max. | 4 mm² | Wire connection cross section, finely stranded, min. | 0.25 mm² |
| Wire connection cross section, finely stranded, max. | 4 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.25 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.25 mm² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 4 mm² | Blade size | size PH1 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 | ECLASS 9.0 | 27-37-16-01 |
| ECLASS 9.1 | 27-37-16-01 | ECLASS 10.0 | 27-37-16-01 |
| ECLASS 11.0 | 27-37-16-01 | ECLASS 12.0 | 27-37-16-01 |
| ECLASS 13.0 | 27-37-16-01 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 | | |

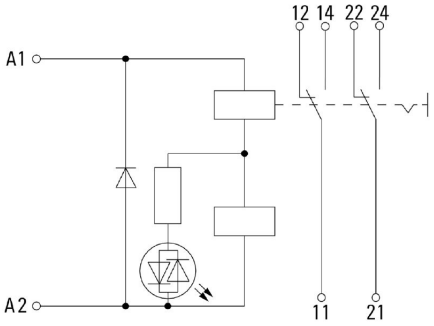
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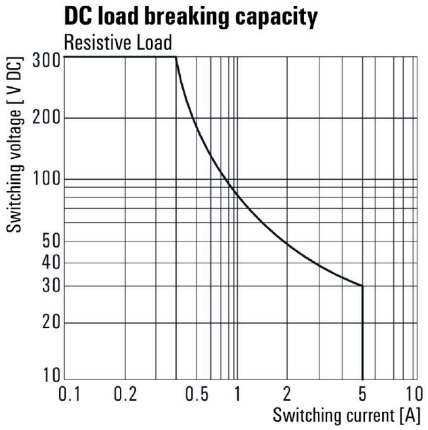
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## Drawings

### Wiring diagram

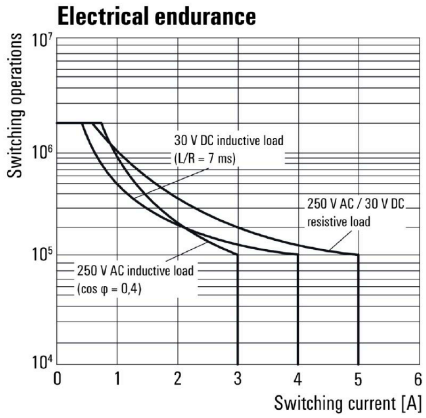



### Graph



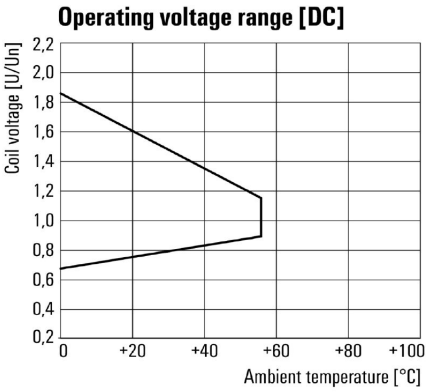

DC load limit curve Resistive load

### Graph



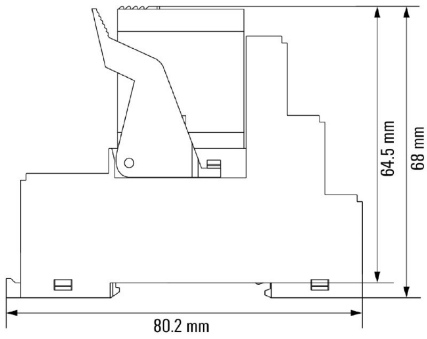

Electrical service life

### Graph




DC operational voltage range

### Dimensional drawing



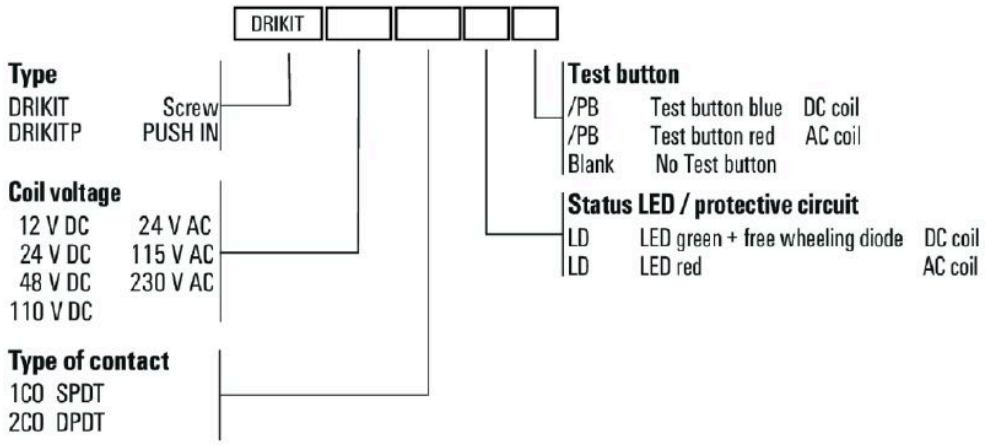
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## Drawings

### Miscellaneous




Type codes