

DRMKIT 230VAC 4CO 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
- 4 CO contacts
- 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 DRM, Relay module, Number of contacts: 4, CO contact AgNi flash gold-plated, Rated control voltage: 230 V AC, Continuous current: 5 A, Screw connection, Test button available: Yes |
| Order No. | 1542540000 |
| Type | DRMKIT 230VAC 4CO LD/PB |
| GTIN (EAN) | 4050118347142 |
| Qty. | 10 pc(s). |
| Relevant base | 7760056264 |
| Relevant relay | 7760056104 |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 66.8 mm | Depth (inches) | 2.63 inch |
| Height | 79.9 mm | Height (inches) | 3.146 inch |
| Width | 27.2 mm | Width (inches) | 1.071 inch |
| Net weight | 93.35 g | | |

Temperatures

| | | | |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...70 °C | Operating temperature | -40 °C...55 °C |
|---------------------|----------------|-----------------------|----------------|

Environmental Product Compliance

| | | | |
|------------|----------------|------|----------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 611f3393-31e7-4ef5-8360-95619a6: |
|------------|----------------|------|----------------------------------|

Control side

| | | | |
|-----------------------|--------------------|--------------------------------|--------------------------------|
| Rated control voltage | 230 V AC | Rated current AC | 6.1 mA (50 Hz), 5.2 mA (60 Hz) |
| Power rating | 1.0...1.2VA (60HZ) | Pull-in/drop-out voltage, typ. | 184 V / 69 V AC |
| Coil resistance | 15000 Ω ± 10 % | Coil tolerance | 10 % |
| Status indicator | red LED | | |

Load side

| | | | |
|---|---------------------------------------|---|---------------------------------------|
| Rated switching voltage | 250 V AC | Continuous current | 5 A |
| Max. switching frequency at rated load | 0.1 Hz | Inrush current | 10 A / 50 ms |
| AC switching capacity (resistive), max. | 1250 VA | DC switching capacity (resistive), max. | 120 W @ 24 V |
| Switch-on delay | < 20 ms | Switch-off delay | < 20 ms |
| Contact type | 4 CO contact (AgNi flash gold-plated) | Mechanical service life | 20 x 10 ⁶ switching cycles |
| Min. switching power | 10 mA @ 12 V, 100 mA @ 5 V | | |

General data

| | | |
|--------------------------------------|---|------------------------|
| 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 | Housing |
| | UL94 flammability rating | V-2 |
| | Component | Mounting foot |
| | UL94 flammability rating | HB |
| | Component | Retaining clip |
| | UL94 flammability rating | HB |
| | Component | Relay cover |
| | UL94 flammability rating | V-2 |
| | Component | Relay baseplate |
| | UL94 flammability rating | V-0 |
| | Component | Relay status indicator |
| | UL94 flammability rating | HB |
| | Component | Relay test button |
| | UL94 flammability rating | HB |

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Insulation coordination

| | | | |
|---|-----------------------------|--|--------------------------------|
| Rated voltage | 250 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | C |
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm | Dielectric strength for control side - load side | 1.8 kV _{eff} / 1 min. |
| Dielectric strength of neighbouring contacts | 1 kV _{eff} / 1 min | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Impulse withstand voltage | 4.8 kV (1.2/50 μs) | Protection degree | IP20 |

Further details of approvals / standards

| | | | |
|-------------------------------|---------|------------------------------|---------|
| Certificate no. (cURus) relay | E312083 | Certificate no. (cURus) base | E312083 |
|-------------------------------|---------|------------------------------|---------|

Connection data

| | | | |
|---|---------------------|---|---------------------|
| Wire connection method | Screw connection | Stripping length, rated connection | 7 mm |
| Tightening torque, min. | 0.5 Nm | Tightening torque, max. | 0.7 Nm |
| Clamping range, min. | 0.5 mm ² | Clamping range, max. | 2.5 mm ² |
| Wire cross-section, solid, min. | 0.5 mm ² | Wire cross-section, solid, max. | 2.5 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | Wire connection cross section, finely stranded, max. | 2.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.5 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 2.5 mm ² |
| Wire connection cross section, finely stranded, two clampable wires, min. | 0.5 mm ² | Wire cross-section, finely stranded, two clampable wires, max. | 1 mm ² |
| Blade size | size PH1 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | 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 |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Catalogues | Catalogues in PDF-format |

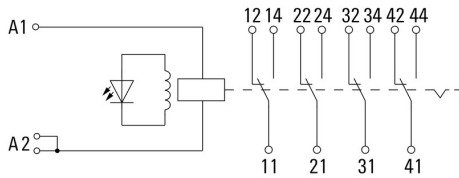
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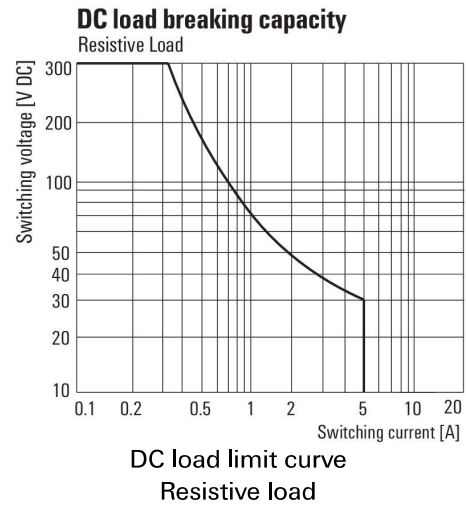
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Drawings

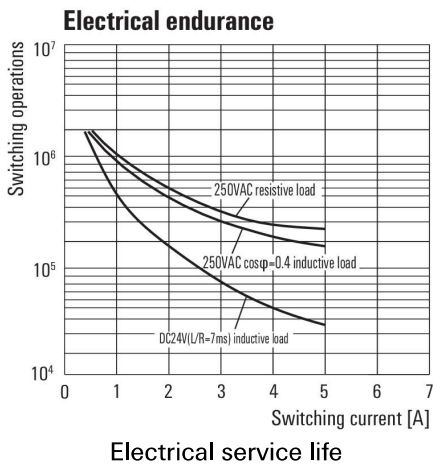
Wiring diagram



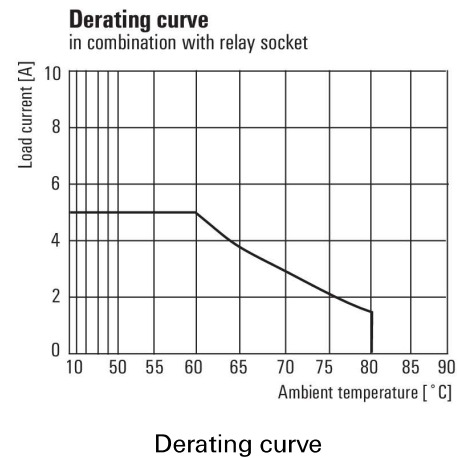
Graph



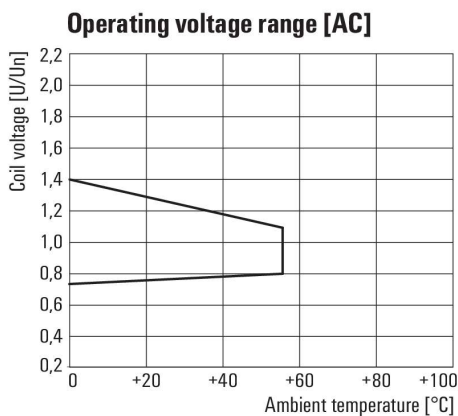
Graph



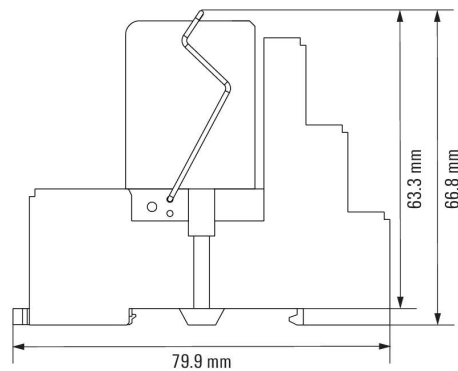
Graph



Graph



Dimensional drawing



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Drawings

Miscellaneous

