

## DRMKIT 24VDC 2CO LD

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

www.weidmueller.com

### Product image



- 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 DRM, Relay module, Number of contacts: 2, CO contact AgNi flash gold-plated, Rated control voltage: 24 V DC, Continuous current: 10 A, Screw connection, Test button available: No |
| Order No.      | <a href="#">1542360000</a>  |
| Type           | DRMKIT 24VDC 2CO LD   |
| GTIN (EAN)     | 4050118347234   |
| Qty.           | 10 Stück  |
| Relevant base  | <a href="#">7760056263</a>  |
| Relevant relay | <a href="#">7760056060</a>  |

Erstellungs-Datum April 19, 2022 3:54:33 PM CEST

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## Technische Daten

### 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 | 93.3 g  |                 |            |

### Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...70 °C | Operating temperature | -40 °C...60 °C |
|---------------------|----------------|-----------------------|----------------|

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### Control side

|                       |              |                                |                     |
|-----------------------|--------------|--------------------------------|---------------------|
| Rated control voltage | 24 V DC      | Rated current DC               | 36.9 mA             |
| Power rating          | 0.9 W        | Pull-in/drop-out voltage, typ. | 18 V / 2.4 V DC     |
| Coil resistance       | 650 Ω ± 10 % | Coil tolerance                 | 10 %                |
| Status indicator      | Green LED    | Protective circuit             | Free-wheeling diode |

### Load side

|   |                                       |   |                                       |
|---|---------------------------------------|---|---------------------------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 10 A                                  |
| Max. switching frequency at rated load  | 0.1 Hz                                | Min. switching power                    | 10 mA @ 12 V, 100 mA @ 5 V            |
| Inrush current                          | 20 A / 50 ms                          | AC switching capacity (resistive), max. | 2500 VA                               |
| DC switching capacity (resistive), max. | 240 W @ 24 V                          | Switch-on delay                         | < 20 ms                               |
| Switch-off delay                        | < 20 ms                               | Contact type                            | 2 CO contact (AgNi flash gold-plated) |
| Mechanical service life                 | 20 x 10 <sup>6</sup> switching cycles |   |                                       |

### General data

|                                      |                          |                        |
|--------------------------------------|--------------------------|------------------------|
| Rail                                 | TS 35                    |                        |
| Test button available                | No                       |                        |
| 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 <sub>eff</sub> / 1 min. |
| Dielectric strength of neighbouring contacts                  | 1 kV <sub>eff</sub> / 1 min | Dielectric strength of open contact              | 1 kV <sub>eff</sub> / 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 <sup>2</sup> | Clamping range, max.  | 2.5 mm <sup>2</sup> |
| Wire cross-section, solid, min.   | 0.5 mm <sup>2</sup> | Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.               | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                          | 1 mm <sup>2</sup>   |
| 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 |             |             |

### Approvals

Approvals



ROHS Conform

### Downloads

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

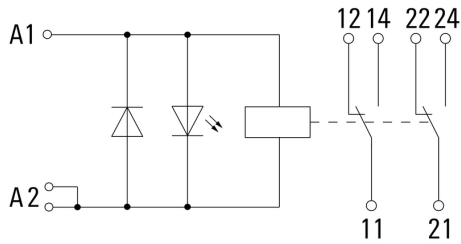
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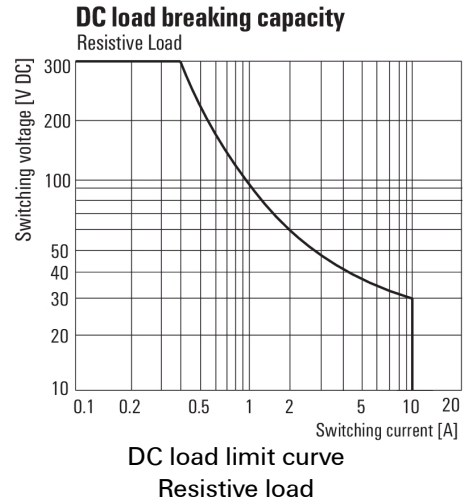
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**Zeichnungen**

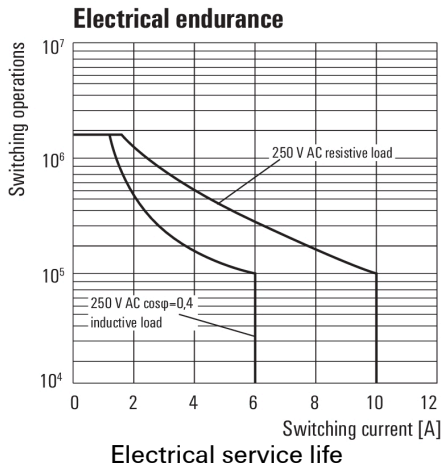
**Wiring diagram**



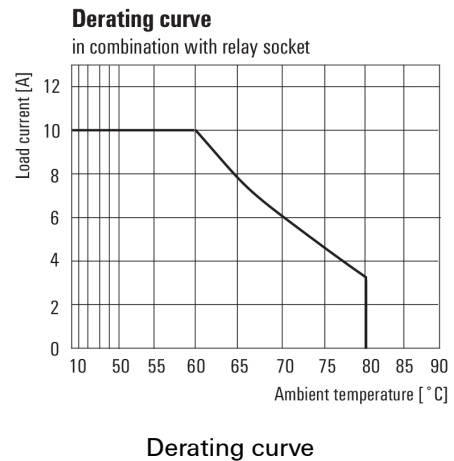
**Graph**



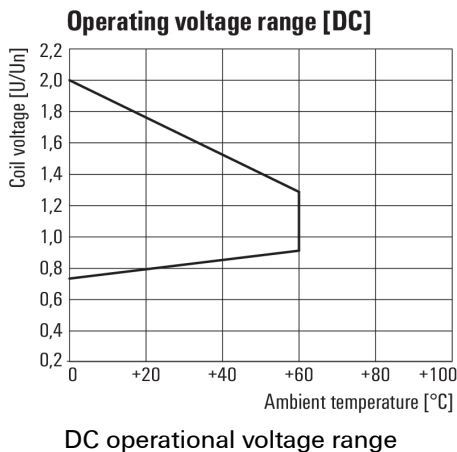
**Graph**



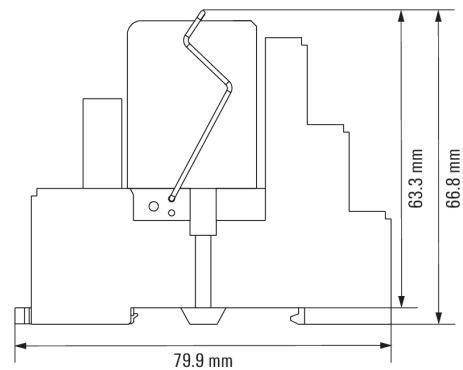
**Graph**



**Graph**



**Dimensional drawing**



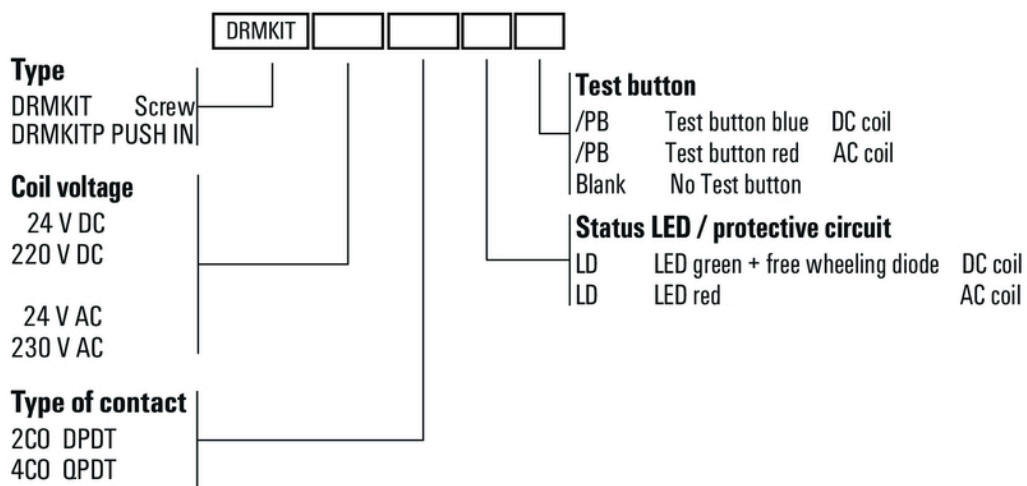
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**Zeichnungen**

**Miscellaneous**



Type codes