

## D-SERIES DRM DRMKITP 24VAC 2CO LD/PB

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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### Product image



Similar to illustration

Our relay kits are particularly convenient to use. The kits are delivered fully assembled and 100 % function-tested. This saves assembly time and reduces the number of parts required.

- Assembled kit consisting of relay, base and retaining clip, incl. label
- 100% function-tested
- 100% control of the dielectric strength input - output
- Optional: test button with coloured control voltage marking (AC coil: red / DC coil: blue) and mechanical switch position indicator
- Bright status LED (AC coil: red / DC coil: green)

### General ordering data

|            |   |
|------------|---|
| Type       | DRMKITP 24VAC 2CO LD/PB   |
| Order No.  | <a href="#">2576080000</a>  |
| Version    | D-SERIES DRM, Relays, No. of contacts: 2 CO contact with test button AgNi 0,15 µm Au, Rated control voltage: 24 V AC, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118585834   |
| Qty.       | 10 pc(s).   |

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**Technical data****Dimensions and weights**

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Width      | 30.6 mm  | Width (inches)  | 1.205 inch |
| Height     | 101.8 mm | Height (inches) | 4.008 inch |
| Depth      | 42.7 mm  | Depth (inches)  | 1.681 inch |
| Net weight | 97.5 g   |                 |            |

**Temperatures**

|                             |  |                             |                |
|-----------------------------|--|-----------------------------|----------------|
| Humidity                    | 35...85 % rel. humidity, no condensation | Operating temperature, max. | 55 °C          |
| Operating temperature, min. | -40 °C                                   | Storage temperature, max.   | 70 °C          |
| Storage temperature, min.   | -40 °C                                   | Operating temperature       | -40 °C...55 °C |
| Storage temperature         | -40 °C...70 °C                           |                             |                |

**Environmental Product Compliance**

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

**Input**

|                       |                    |                                |                   |
|-----------------------|--------------------|--------------------------------|-------------------|
| Rated control voltage | 24 V AC            | Rated current AC               | 62.4 mA (50 Hz)   |
| Power rating          | 1.0...1.2VA (60HZ) | Pull-in/drop-out voltage, typ. | 19.2 V / 7.2 V AC |
| Coil resistance       | 160 Ω ± 10 %       | Status indicator               | red LED           |

**Output**

|                         |                            |  |              |
|-------------------------|----------------------------|--|--------------|
| Rated switching voltage | 250 V AC                   | Max. switching voltage, AC             | 250 V        |
| Continuous current      | 10 A                       | Inrush current                         | 20 A / 50 ms |
| Switch-on delay         | < 20 ms                    | Switch-off delay                       | < 20 ms      |
| Min. switching power    | 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load | 0.1 Hz       |

**Contact data**

|                         |   |                    |         |
|-------------------------|---|--------------------|---------|
| Contact type            | 2 CO contact with test button (AgNi 0,15 µm Au) | Contact resistance | ≤ 50 mΩ |
| Mechanical service life | 20 x 10 <sup>6</sup> switching cycles           |                    |         |

**General data**

|                                      |       |             |                |
|--------------------------------------|-------|-------------|----------------|
| Rail                                 | TS 35 | Test button | yes (lockable) |
| Mechanical switch position indicator | Yes   | Colour      | black          |

**Insulation coordination**

|  |                             |  |                                |
|--|-----------------------------|--|--------------------------------|
| Rated voltage                                  | 250 V                       | Surge voltage category                       | III                            |
| Pollution severity                             | 2                           | Insulating material group                    | C                              |
| Protection degree                              | IP20                        | Dielectric strength, Input/Output            | 1.8 kV <sub>eff</sub> / 1 min. |
| Creepage and clearance distance input – output | ≥ 5.5 mm                    | Dielectric strength of neighbouring contacts | 1 kV <sub>eff</sub> / 1 min    |
| Dielectric strength of open contact            | 1 kV <sub>eff</sub> / 1 min |  |                                |

**Further details of approvals / standards**

|                               |         |                              |         |
|-------------------------------|---------|------------------------------|---------|
| Certificate no. (cURus) relay | E312083 | Certificate no. (cURus) base | E355547 |
|-------------------------------|---------|------------------------------|---------|

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## Technical data

### Connection data

|   |                       |   |                      |
|---|-----------------------|---|----------------------|
| Wire connection method  | PUSH IN with actuator | Stripping length, rated connection  | 10 mm                |
| Clamping range, rated connection  | 1.5 mm <sup>2</sup>   | Clamping range, min.  | 0.14 mm <sup>2</sup> |
| Clamping range, max.  | 1.5 mm <sup>2</sup>   | Wire connection cross section AWG, min.   | AWG 26               |
| Wire connection cross section AWG, max.   | AWG 16                | Wire cross-section, solid, min.   | 0.14 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 1.5 mm <sup>2</sup>   | Wire connection cross-section, finely stranded, min.                                    | 0.14 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1 mm <sup>2</sup>     | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.14 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 1.5 mm <sup>2</sup>   | Blade size  | 0.4 x 2.5 mm         |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 6.0   | EC001437    | eClass 6.2 | 27-37-16-01 |
| eClass 9.0 | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |

### Downloads

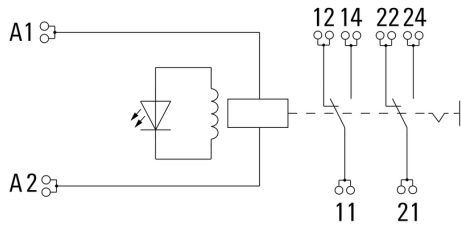
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">EPLAN</a>   |
| Engineering Data                            | <a href="#">STEP</a>  |

**D-SERIES DRM  
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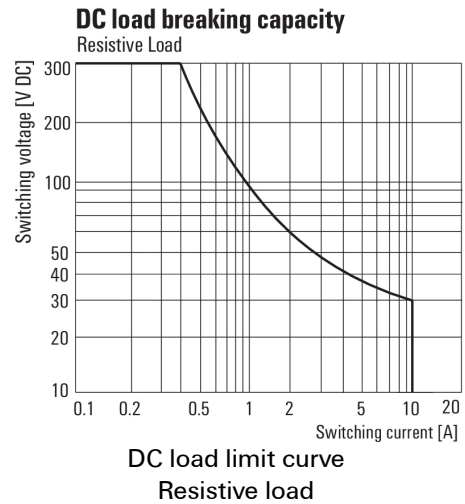
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**Drawings**

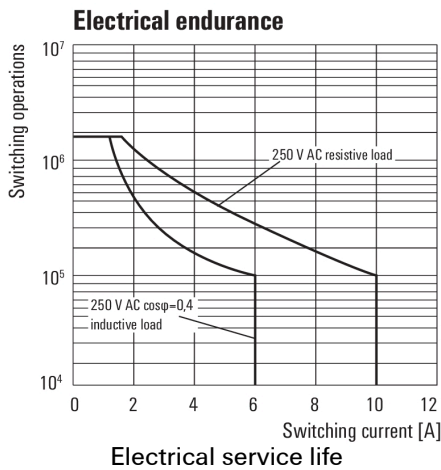
**Wiring diagram**



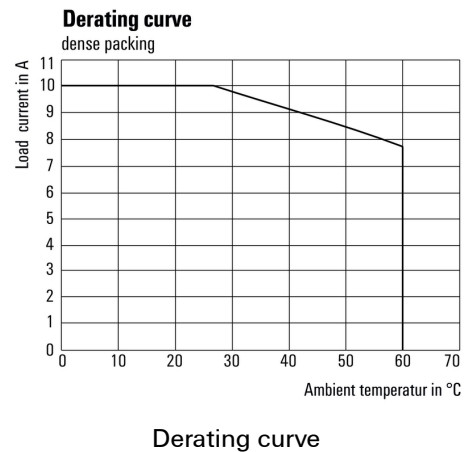
**Graph**



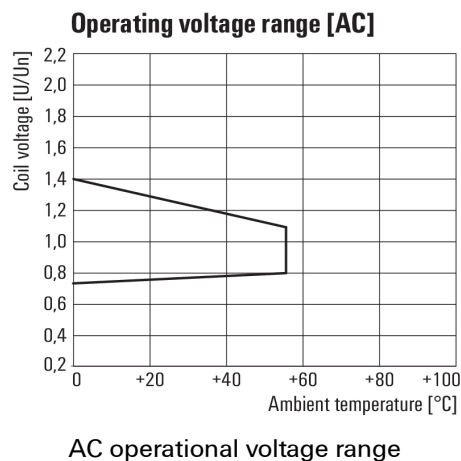
**Graph**



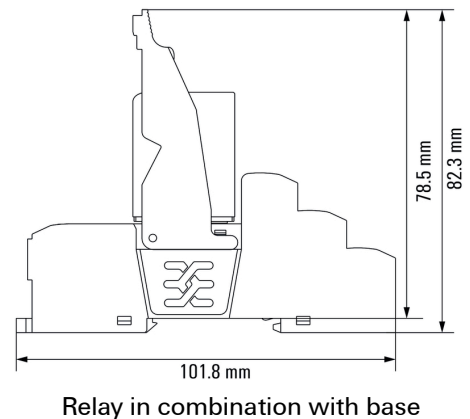
**Graph**



**Graph**



**Dimensional drawing**



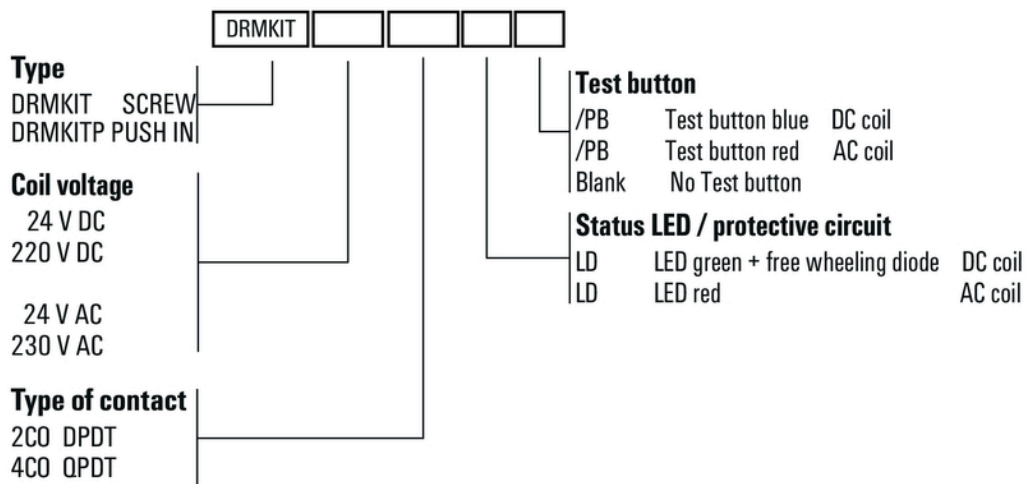
**Data sheet**

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**Drawings**

**Miscellaneous**



Type codes