

**DRMKIT 24VDC 2CO LD/PB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 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: Yes |
| Order No.      | <a href="#">1542460000</a>                                                                                                                                                                   |
| Type           | DRMKIT 24VDC 2CO LD/PB                                                                                                                                                                       |
| GTIN (EAN)     | 4050118347401                                                                                                                                                                                |
| Qty.           | 10 pc(s).                                                                                                                                                                                    |
| Relevant relay | <a href="#">7760056069</a>                                                                                                                                                                   |
| Relevant base  | <a href="#">7760056263</a>                                                                                                                                                                   |

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Catalogue status 10.05.2025 / We reserve the right to make technical changes.

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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...60 °C |
|---------------------|----------------|-----------------------|----------------|

**Control side**

|                       |           |                    |                       |
|-----------------------|-----------|--------------------|-----------------------|
| Rated control voltage | 24 V DC   | Rated current DC   | 36.9 mA               |
| Power rating          | 0.9 W     | Coil resistance    | 650 $\Omega \pm 10\%$ |
| 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                                | Max. switching voltage, AC              | 250 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 | 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                     |
| UL94 flammability rating component   | Component                                   | Relay test button      |
|                                      | UL94 flammability rating                    | HB                     |

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**Technical data****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    | 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 |             |             |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

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## Technical data

### Downloads

Approval/Certificate/Document of Con-  
formity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

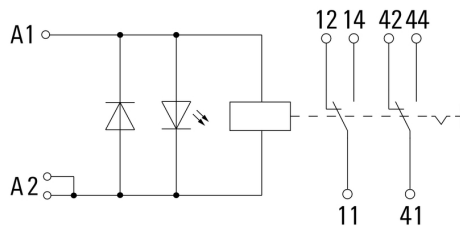
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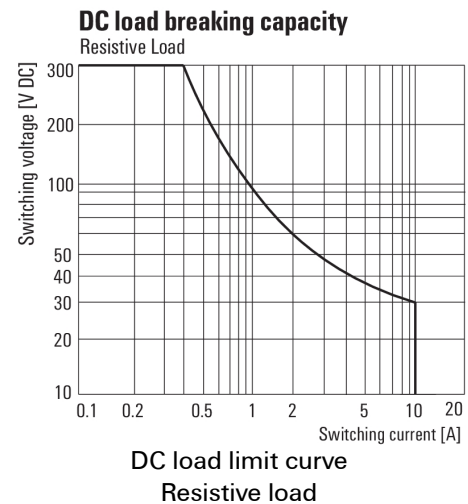
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

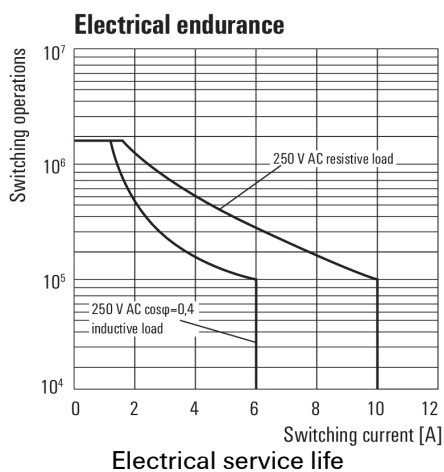
### Wiring diagram



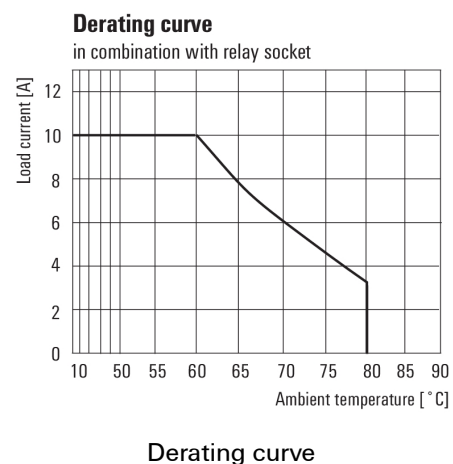
### Graph



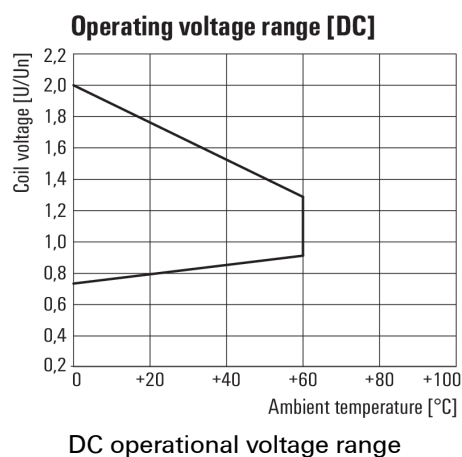
### Graph



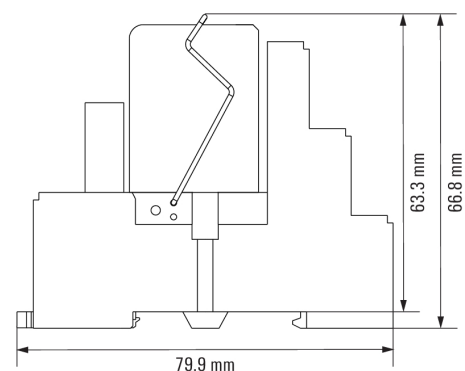
### Graph



### Graph



### Dimensional drawing

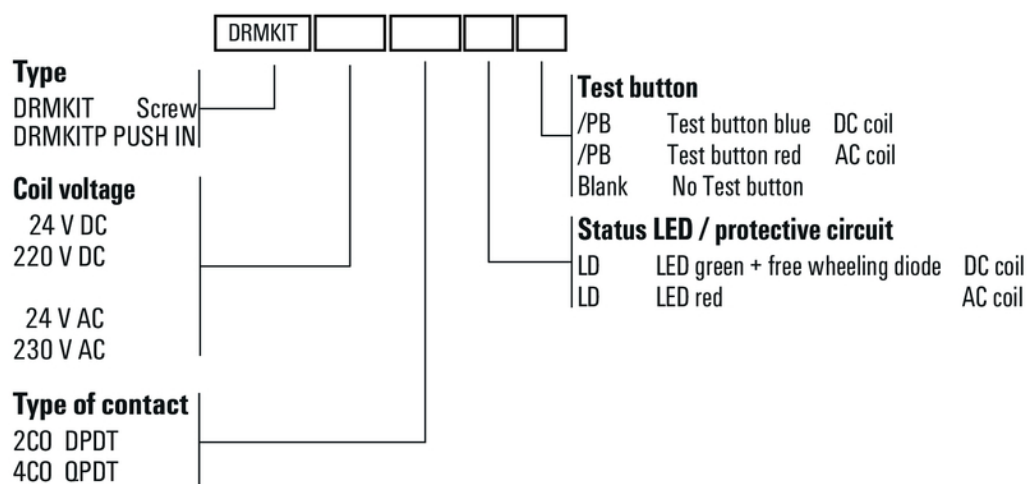


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Type codes