

**DRM270110LT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

Individual relays within the D-SERIES DRM

- 2 CO contacts
- AC coils
- With integrated status LED and test button

**General ordering data**

|            |   |
|------------|---|
| Version    | D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 110 V DC, Continuous current: 10 A, Plug-in connection |
| Order No.  | <a href="#">7760056071</a>  |
| Type       | DRM270110LT   |
| GTIN (EAN) | 4032248855841   |
| Qty.       | 20 pc(s).   |

Creation date 22 December 2021 03:02:51 CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 35.7 mm | Depth (inches)  | 1.406 inch |
| Height     | 27.4 mm | Height (inches) | 1.079 inch |
| Width      | 21 mm   | Width (inches)  | 0.827 inch |
| Net weight | 34.15 g |                 |            |

### Temperatures

|                     |  |                       |                |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...70 °C                           | Operating temperature | -40 °C...60 °C |
| Humidity            | 35...85 % rel. humidity, no condensation |                       |                |

### Environmental Product Compliance

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

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

### Control side

|                       |                |                                |                  |
|-----------------------|----------------|--------------------------------|------------------|
| Rated control voltage | 110 V DC       | Rated current DC               | 10 mA            |
| Power rating          | 1.2 W          | Pull-in/drop-out voltage, typ. | 82.5 V / 11 V DC |
| Coil resistance       | 11000 Ω ± 10 % | Status indicator               | Green LED        |

### 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

|                                      |                          |                        |
|--------------------------------------|--------------------------|------------------------|
| Test button available                | Yes                      |                        |
| Mechanical switch position indicator | Yes                      |                        |
| Colour                               | Transparent              |                        |
| UL94 flammability rating component   | 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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## Technical data

## Insulation coordination

|  |                                |   |                             |
|--|--------------------------------|---|-----------------------------|
| Rated voltage                                    | 250 V                          | Pollution severity  | 2                           |
| Surge voltage category                           | III                            | 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                                     | 6 kV (1.2/50 μs)            |
| Protection degree                                | IP20                           |   |                             |

## Further details of approvals / standards

|           |  |                         |         |
|-----------|--|-------------------------|---------|
| Standards | IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508 | Certificate No. (cURus) | E312083 |
|-----------|--|-------------------------|---------|

## Connection data

|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

## 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 |
| UL File Number Search | E312083 |

## 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</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |   |

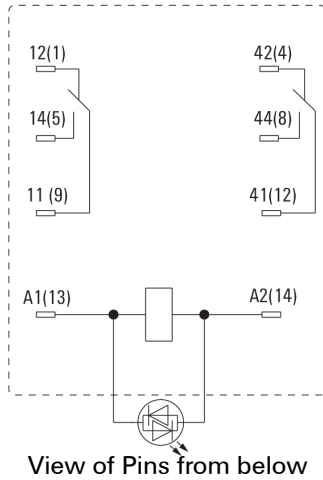
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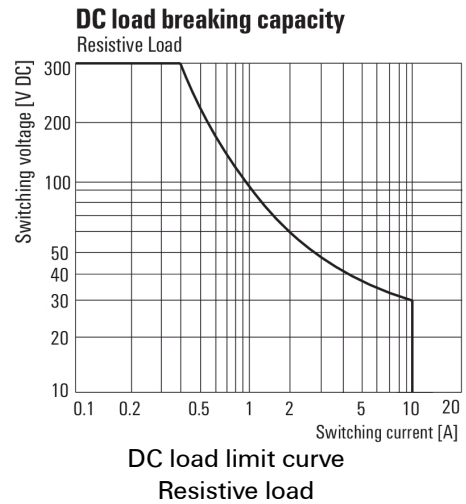
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Drawings

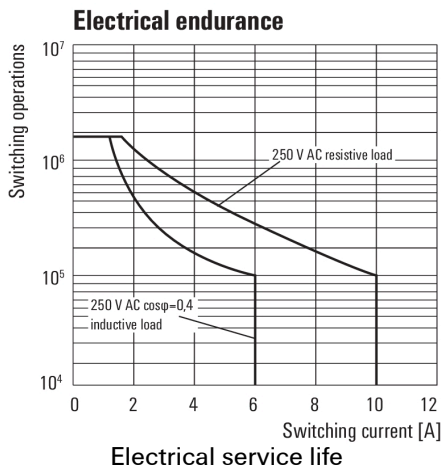
Wiring diagram



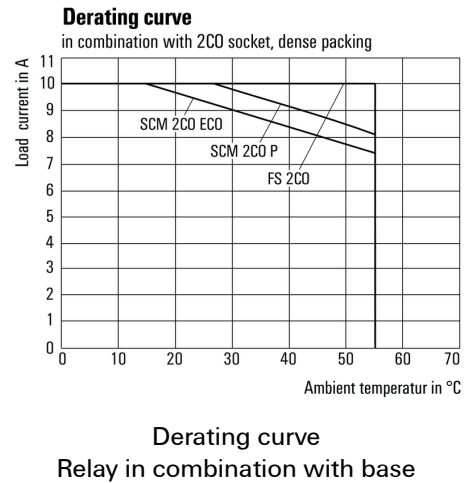
Graph



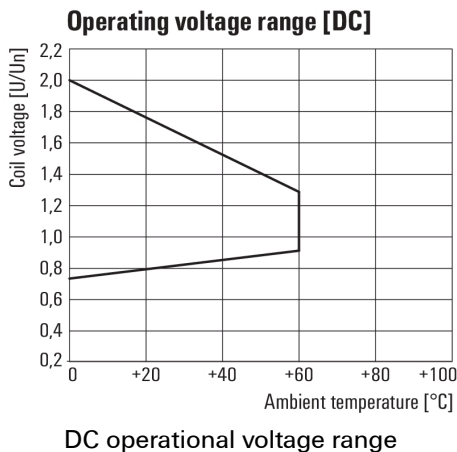
Graph



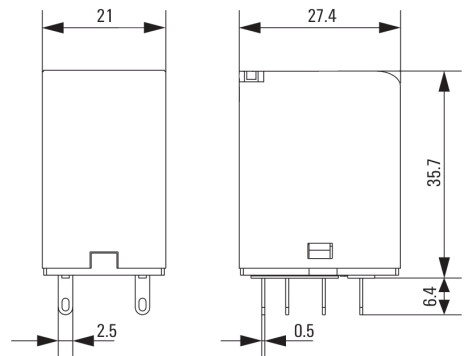
Graph



Graph



Dimensional drawing



**Data sheet**

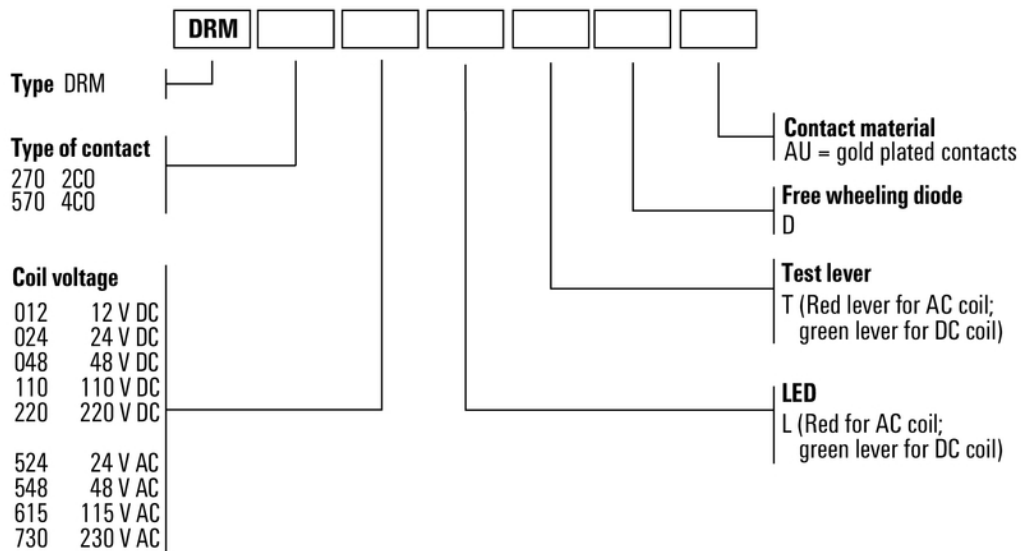
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**Drawings**

**Miscellaneous**



Type codes