

**DRM270024L****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

**General ordering data**

|            |  |
|------------|--|
| Version    | D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 24 V DC, Continuous current: 10 A, Plug-in connection |
| Order No.  | <a href="#">7760056060</a>   |
| Type       | DRM270024L   |
| GTIN (EAN) | 4032248855957  |
| Qty.       | 20 pc(s).  |

Creation date February 15, 2023 4:17:51 PM CET

Catalogue status 03.02.2023 / 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 | 33.38 g |                 |            |

### Temperatures

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

### Rated data UL

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

### Control side

|                       |              |                                |                 |
|-----------------------|--------------|--------------------------------|-----------------|
| Rated control voltage | 24 V DC      | Rated current DC               | 37.8 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    |                                |                 |

### Load side

|   |                                       |   |                                       |
|---|---------------------------------------|---|---------------------------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 10 A                                  |
| Max. switching frequency at rated load  | 0.1 Hz                                | 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

|                                      |                          |                 |
|--------------------------------------|--------------------------|-----------------|
| Test button available                | No                       |                 |
| 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              |

### 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                                     | 6 kV (1.2/50 μs)            | Protection degree                                | IP20                           |

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## Technical data

## Further details of approvals / standards

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 | ECLASS 12.0 | 27-37-16-01 |

## Environmental Product Compliance

REACH SVHC Lead 7439-92-1

## Approvals

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E312083

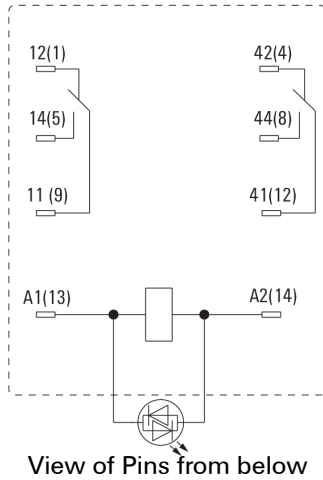
## Downloads

Approval/Certificate/Document of Conformity [EU Konformitätserklärung / EU Declaration of Conformity](#)Engineering Data [CAD data – STEP](#)Engineering Data [WSCAD](#)Catalogues [Catalogues in PDF-format](#)

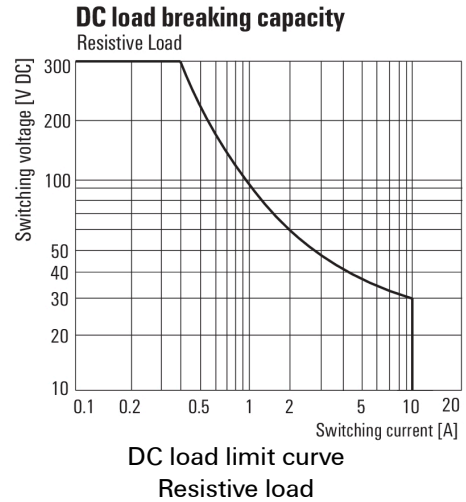
Brochures

**Drawings**

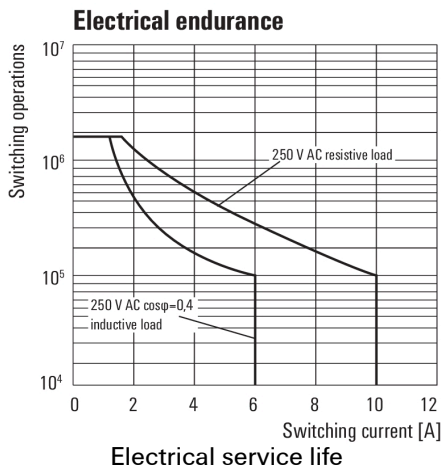
**Wiring diagram**



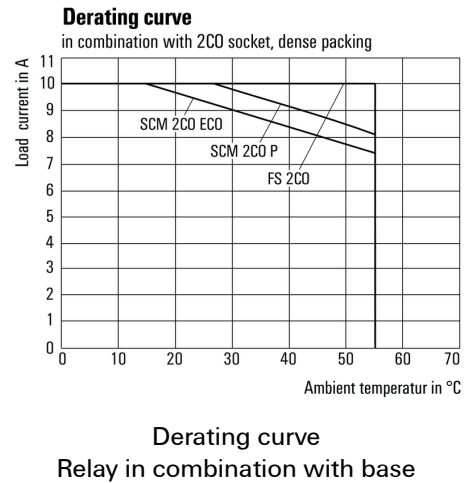
**Graph**



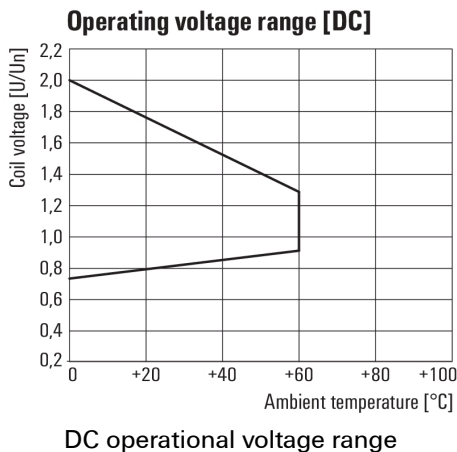
**Graph**



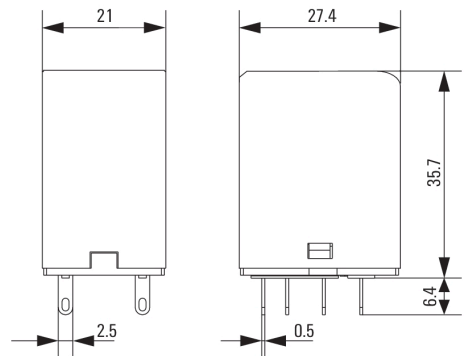
**Graph**



**Graph**



**Dimensional drawing**



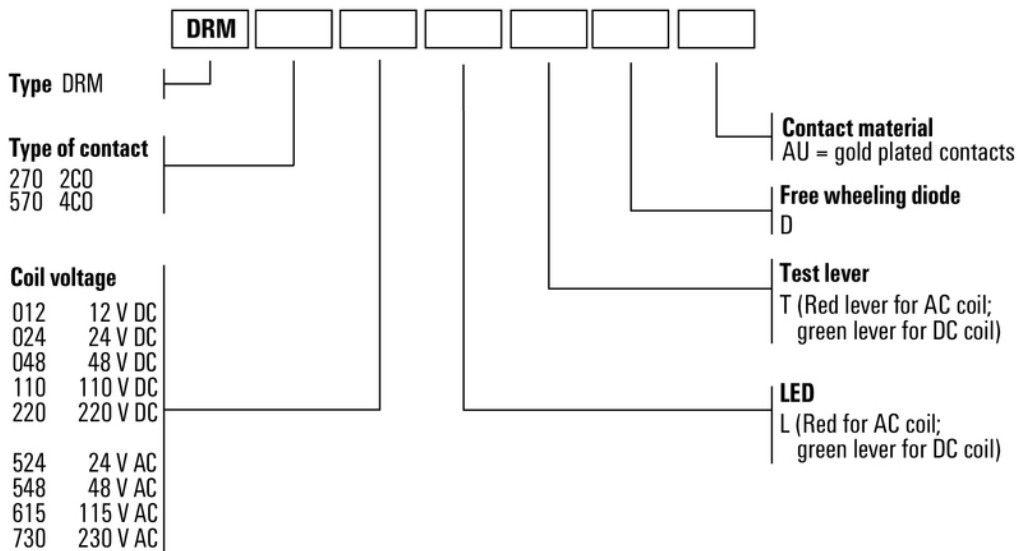
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**Drawings**

**Miscellaneous**



Type codes