

## DRM270524

**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
- Optional AC or DC coils

### General ordering data

|            |  |
|------------|--|
| Version    | D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 24 V AC, Continuous current: 10 A, Plug-in connection |
| Order No.  | <a href="#">7760056055</a>   |
| Type       | DRM270524  |
| GTIN (EAN) | 4032248856008  |
| Qty.       | 20 Stück   |

Erstellungs-Datum June 1, 2023 10:56:27 AM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### 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 | 32.6 g  |                 |            |

### Temperatures

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

### Rated data UL

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

### Control side

|                       |                    |                                |                                  |
|-----------------------|--------------------|--------------------------------|----------------------------------|
| Rated control voltage | 24 V AC            | Rated current AC               | 62.4 mA (50 Hz), 52.2 mA (60 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 %       | Coil tolerance                 | 10 %                             |
| Status indicator      | No                 |                                |                                  |

### 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                     |

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## Technische Daten

### 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

|                         |         |
|-------------------------|---------|
| 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



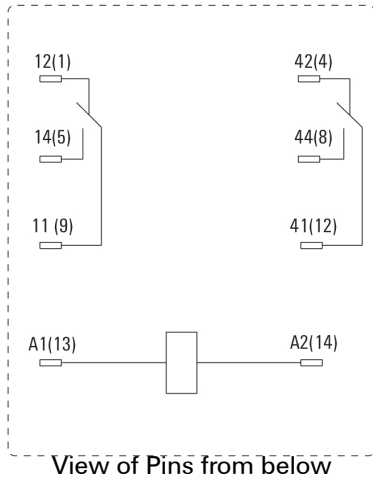
|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E312083    |

### Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>  |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| Engineering Data                            | <a href="#">W3CAD, EPLAN</a>   |
| Product Change Notification                 | <a href="#">20230124 Product consolidation D-SERIES DRM relays</a><br><a href="#">20230124 Produktkonsolidierung D-SERIES DRM Relais</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

Zeichnungen

Wiring diagram



Graph



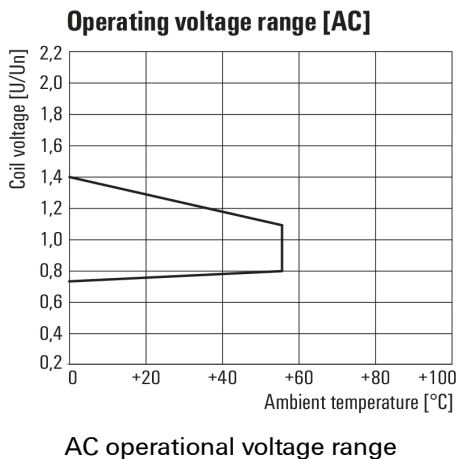
Graph



Graph



Graph



Dimensional drawing



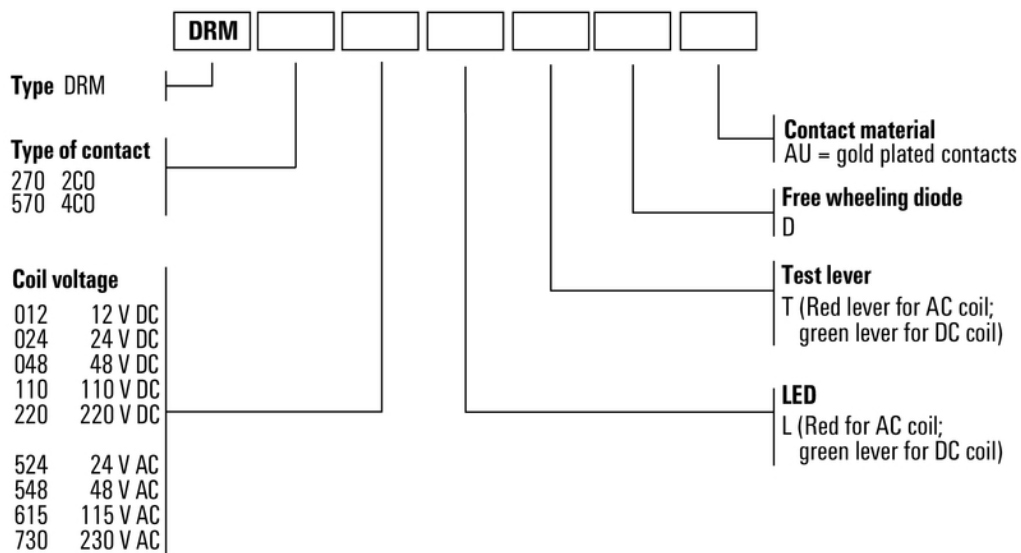
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**Zeichnungen**

**Miscellaneous**



Type codes