

**DRM270548LT****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: 48 V AC, Continuous current: 10 A, Plug-in connection |
| Order No.  | <a href="#">7760056074</a>   |
| Type       | DRM270548LT  |
| GTIN (EAN) | 4032248855810  |
| Qty.       | 20 pc(s).  |

Creation date January 8, 2022 9:04:19 AM 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 | 36.85 g |                 |            |

### Temperatures

|                     |  |                       |                |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...70 °C                           | Operating temperature | -40 °C...55 °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 | 48 V AC            | Rated current AC               | 33.3 mA (50 Hz), 27.8 mA (60 Hz) |
| Power rating          | 1.0...1.2VA (60HZ) | Pull-in/drop-out voltage, typ. | 38.4 V / 14.4 V AC               |
| Coil resistance       | 600 Ω ± 10 %       | Status indicator               | red 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



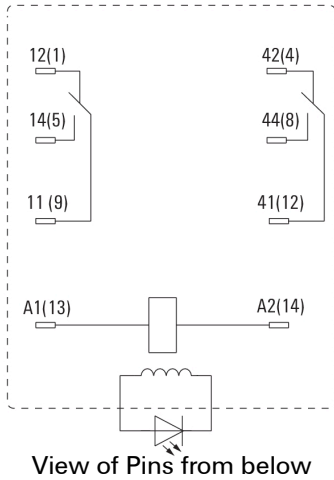
|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E312083 |

## 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                                   |   |

**Drawings**

**Wiring diagram**



**Graph**



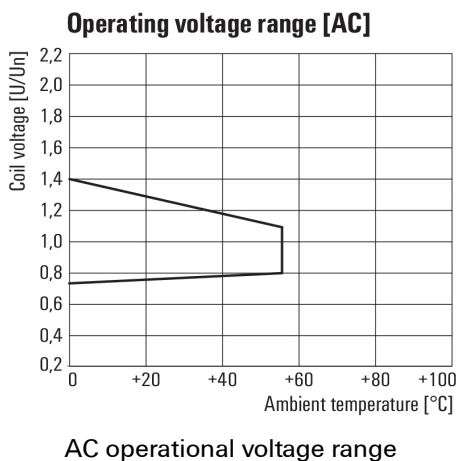
**Graph**



**Graph**



**Graph**



**Dimensional drawing**



## DRM270548LT

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## Mating connector (fully pluggable)

## Sockets



Relay sockets for the D-SERIES DRM relays

- 2 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | FS 4CO                     | Version  |
| Order No.  | <a href="#">7760056107</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 4032248855575              | Continuous current: 10 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 2CO P                  | Version  |
| Order No.  | <a href="#">7760056362</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169772269              | Continuous current: 12 A, PUSH IN                              |
| Qty.       | 10 pc(s).                  |  |
| Type       | FS 2CO                     | Version  |
| Order No.  | <a href="#">7760056106</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248855582              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 4CO P                  | Version  |
| Order No.  | <a href="#">7760056363</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169772276              | Continuous current: 6 A, PUSH IN                               |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 2CO ECO                | Version  |
| Order No.  | <a href="#">7760056263</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169662966              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 4CO ECO                | Version  |
| Order No.  | <a href="#">7760056264</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169662973              | Continuous current: 6 A, Screw connection                      |
| Qty.       | 10 pc(s).                  |  |

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## Accessories

## ESG 6/15

**Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

**Your benefits with MultiMark**

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

| Type       | ESG 6/15 MM WS             | Version                               |
|------------|----------------------------|---------------------------------------|
| Order No.  | <a href="#">2619940000</a> | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

## LED



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With green LED

**General ordering data**

| Type       | RIM 3 24/60VUC             | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">7760056018</a> | D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248878130              |   |
| Qty.       | 10 pc(s).                  |   |

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**ESG 6/17**



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**General ordering data**

|            |                            |                                       |
|------------|----------------------------|---------------------------------------|
| Type       | ESG 6/17 MM WS             | Version                               |
| Order No.  | <a href="#">2005100000</a> | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

**Retaining clips**



Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

**General ordering data**

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | SCM CLIP P                 | Version                      |
| Order No.  | <a href="#">7760056367</a> | D-SERIES DRM, Retaining clip |
| GTIN (EAN) | 6944169773334              |                              |
| Qty.       | 5 pc(s).                   |                              |
| Type       | DRM/DRL CLIP M             | Version                      |
| Order No.  | <a href="#">7760056108</a> | D-SERIES, Retaining clip     |
| GTIN (EAN) | 4032248855568              |                              |
| Qty.       | 10 pc(s).                  |                              |

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**Accessories**

**Custom printing**



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc. Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | ESG 9/26 SCM ECO MC SDR    | Version   |
| Order No.  | <a href="#">1525800000</a> | ESG, Device markers x 26 mm, PA 66, Colour: To customer |
| GTIN (EAN) | 4050118331875              | specification   |
| Qty.       | 80 pc(s).                  |   |

**Blank**



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**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | ESG 6/15 K MC NE WS        | Version  |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781              |  |
| Qty.       | 200 pc(s).                 |  |



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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | ESG 6/15 K MC NE GE        | Version   |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910              |   |
| Qty.       | 200 pc(s).                 |   |

## Sockets



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## General ordering data

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|------------|----------------------------|--|
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| GTIN (EAN) | 4032248855575              | Continuous current: 10 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 2CO P                  | Version  |
| Order No.  | <a href="#">7760056362</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169772269              | Continuous current: 12 A, PUSH IN                              |
| Qty.       | 10 pc(s).                  |  |
| Type       | FS 2CO                     | Version  |
| Order No.  | <a href="#">7760056106</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248855582              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 4CO P                  | Version  |
| Order No.  | <a href="#">7760056363</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169772276              | Continuous current: 6 A, PUSH IN                               |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 2CO ECO                | Version  |
| Order No.  | <a href="#">7760056263</a> | D-SERIES DRM, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169662966              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 pc(s).                  |  |
| Type       | SCM 4CO ECO                | Version  |
| Order No.  | <a href="#">7760056264</a> | D-SERIES DRM, Relay socket, Number of contacts: 4, CO contact, |
| GTIN (EAN) | 6944169662973              | Continuous current: 6 A, Screw connection                      |
| Qty.       | 10 pc(s).                  |  |

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**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | ESG 6/17 K MC NE WS        | Version   |
| Order No.  | <a href="#">1880120000</a> | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478804              |   |
| Qty.       | 200 pc(s).                 |   |
| Type       | ESG 6/17 K MC NE GE        | Version   |
| Order No.  | <a href="#">1880110000</a> | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478798              |   |
| Qty.       | 200 pc(s).                 |   |

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|            |                            |  |
|------------|----------------------------|--|
| Type       | ESG 9/26 SCM ECO MC NE ... | Version  |
| Order No.  | <a href="#">1520980000</a> | ESG, Device markers x 26 mm, PA 66, Colour: white  |
| GTIN (EAN) | 4050118327939              |  |
| Qty.       | 80 pc(s).                  |  |
| Type       | ESG 9/26 SCM ECO MC NE ... | Version  |
| Order No.  | <a href="#">1520990000</a> | ESG, Device markers x 26 mm, PA 66, Colour: yellow |
| GTIN (EAN) | 4050118327861              |  |
| Qty.       | 80 pc(s).                  |  |
| Type       | ESG 9/26 SCM ECO MC NE ... | Version  |
| Order No.  | <a href="#">1521000000</a> | ESG, Device markers x 26 mm, PA 66, Colour: grey   |
| GTIN (EAN) | 4050118327878              |  |
| Qty.       | 80 pc(s).                  |  |

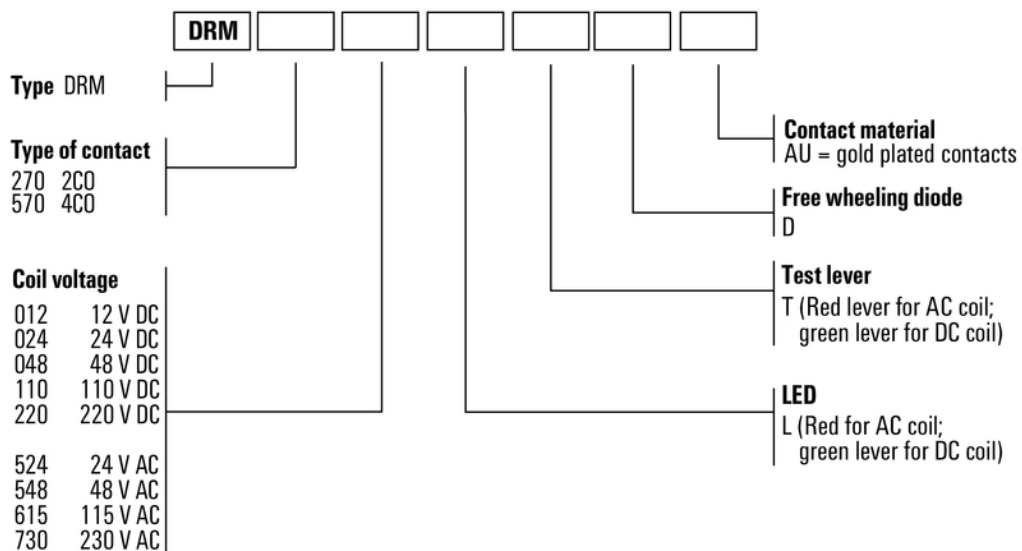
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**Drawings**

**Miscellaneous**



Type codes