

**DRM570615LT****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

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

**General ordering data**

|            |  |
|------------|--|
| Version    | D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 115 V AC, Continuous current: 5 A, Plug-in connection |
| Order No.  | <a href="#">7760056103</a>   |
| Type       | DRM570615LT  |
| GTIN (EAN) | 403224885612   |
| Qty.       | 20 pc(s).  |

Creation date September 26, 2024 11:57:45 AM CEST

Catalogue status 14.09.2024 / 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 | 33.54 g |                 |            |

## Temperatures

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

## Rated data UL

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

## Control side

|                       |                    |                  |                                  |
|-----------------------|--------------------|------------------|----------------------------------|
| Rated control voltage | 115 V AC           | Rated current AC | 12.6 mA (50 Hz), 10.8 mA (60 Hz) |
| Power rating          | 1.0...1.2VA (60HZ) | Coil resistance  | 4340 Ω ± 10 %                    |
| Coil tolerance        | 10 %               | Status indicator | red LED                          |

## Load side

|   |                                       |   |                                       |
|---|---------------------------------------|---|---------------------------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 5 A                                   |
| Max. switching frequency at rated load  | 0.1 Hz                                | Inrush current                          | 10 A / 50 ms                          |
| AC switching capacity (resistive), max. | 1250 VA                               | DC switching capacity (resistive), max. | 120 W @ 24 V                          |
| Switch-on delay                         | < 20 ms                               | Switch-off delay                        | < 20 ms                               |
| Contact type                            | 4 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                | Yes   |                        |
| Version of test button               | Lockable test button, Momentary test button |                        |
| 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

|                         |         |
|-------------------------|---------|
| 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    | ETIM 9.0    | 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 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| REACH SVHC             | /                           |
| RoHS Compliance Status | Compliant without exemption |

## 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>  |
| Product Change Notification                 | <a href="#">20230124 Product consolidation D-SERIES DRM relays</a><br><a href="#">20230124 Produktkonsolidierung D-SERIES DRM Relais</a> |
| User Documentation                          | <a href="#">FL_D-SERIES_DRM4CO_LOAD_GUIDE</a>  |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

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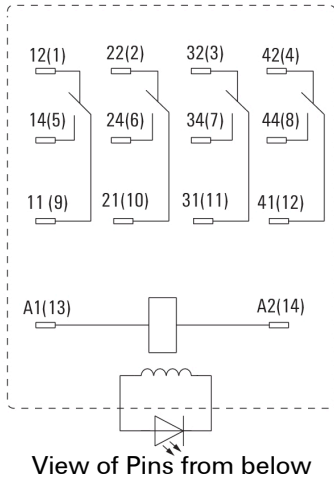
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Drawings

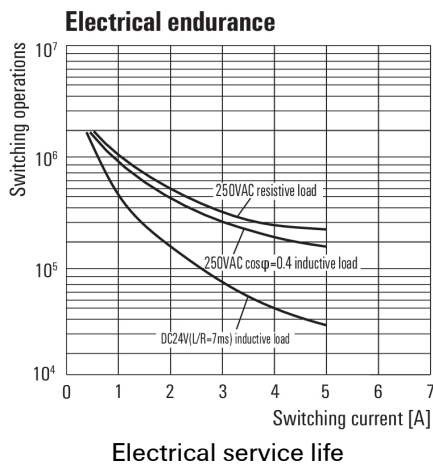
Wiring diagram



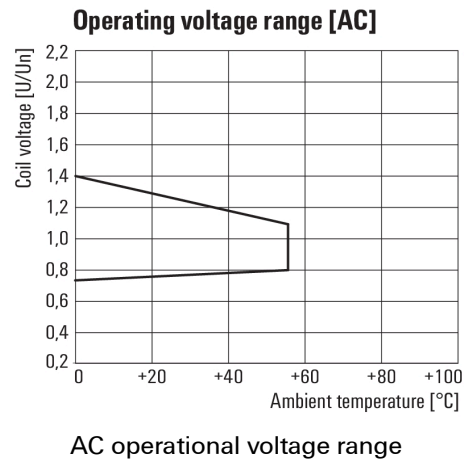
Graph



Graph



Graph



Dimensional drawing



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**Drawings**

**Miscellaneous**



Type codes