

**DRM570548L****Weidmüller Interfaces GmbH & Co. KG**

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32760 Detmold

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**Product image**

Similar to illustration

Individual relays within the D-SERIES DRM

- 4 CO contact
- AC coils
- With integrated status LED

**General ordering data**

|            |                                                                                                                                                             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 48 V AC, Continuous current: 5 A, Plug-in connection |
| Order No.  | <a href="#">7760056093</a>                                                                                                                                  |
| Type       | DRM570548L                                                                                                                                                  |
| GTIN (EAN) | 4032248855711                                                                                                                                               |
| Qty.       | 20 pc(s).                                                                                                                                                   |

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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 | 36.2 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       | 615 $\Omega \pm 10\%$ | 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                | 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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## Technical data

### Insulation coordination

|                                                  |                                |                                                               |                             |
|--------------------------------------------------|--------------------------------|---------------------------------------------------------------|-----------------------------|
| Rated voltage                                    | 250 V                          | Pollution severity                                            | www.weidmueller.com         |
| 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 | ECLASS 12.0 | 27-37-16-01 |

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

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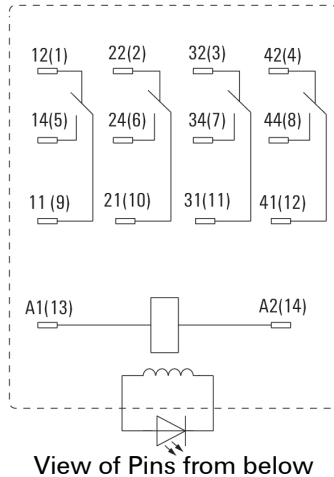
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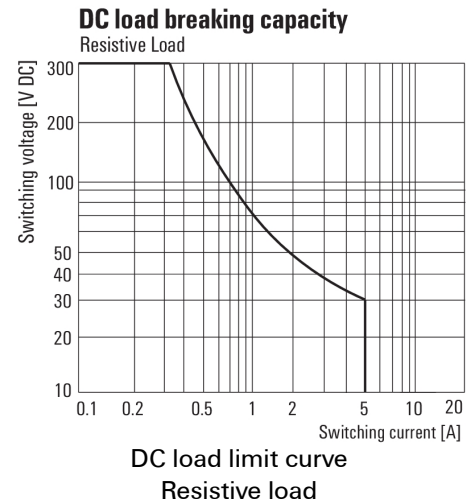
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## Drawings

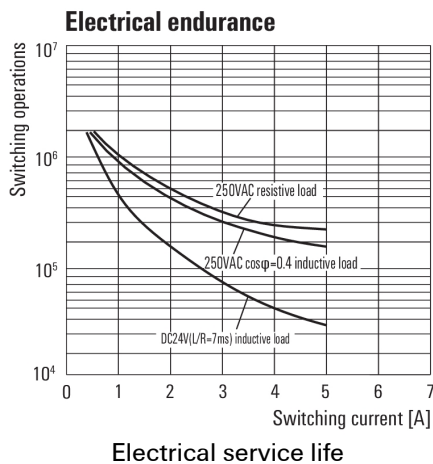
### Wiring diagram



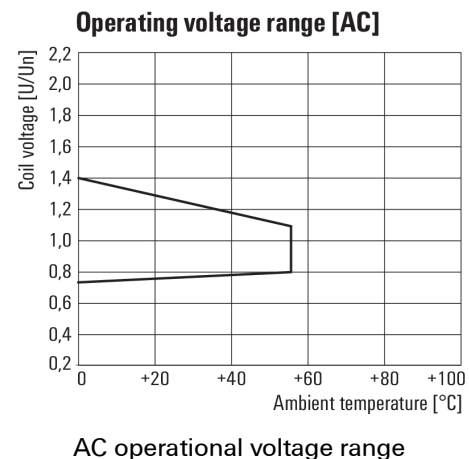
### Graph



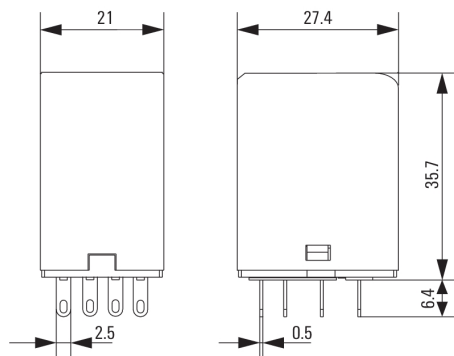
### Graph



### Graph



### Dimensional drawing



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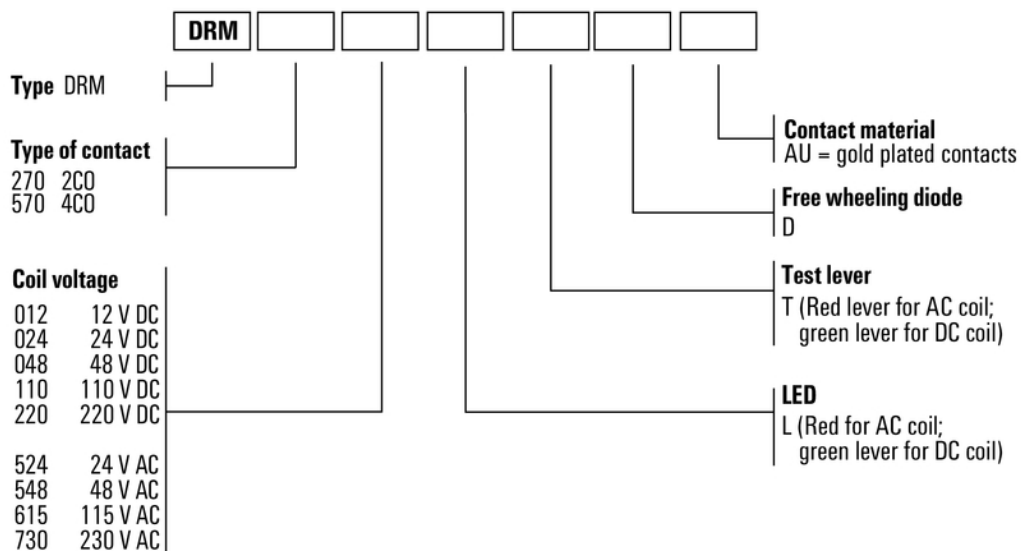
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# Drawings

## Miscellaneous



Type codes