

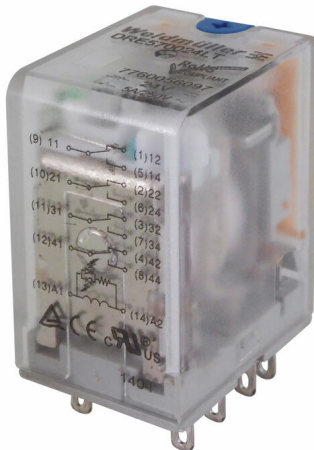
**DRE570024LD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Relay from the D-SERIES DRE.

- 2 or 4 CO contacts
- Compact design
- Wide range of coil voltages
- Integrated with test button (AC red, DC blue)
- Integrated with status display (AC red, DC green) and/or free-wheel diode

**General ordering data**

|               |                                                                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Version       | D-SERIES DRE, Relay, Number of contacts: 4, CO contact, Ag alloy, Rated control voltage: 24 V DC, Continuous current: 3 A, Plug-in connection |
| Order No.     | <a href="#">7760054289</a>                                                                                                                    |
| Type          | DRE570024LD                                                                                                                                   |
| GTIN (EAN)    | 6944169719974                                                                                                                                 |
| Qty.          | 20 items                                                                                                                                      |
| Local product | Only available in certain countries                                                                                                           |

## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E312083                    |

## General ordering data

|               |                                     |
|---------------|-------------------------------------|
| Local product | Only available in certain countries |
|---------------|-------------------------------------|

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 35.4 mm | Depth (inches)  | 1.3937 inch |
| Height     | 27.2 mm | Height (inches) | 1.0709 inch |
| Width      | 21 mm   | Width (inches)  | 0.8268 inch |
| Net weight | 35 g    |                 |             |

## Temperatures

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

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Rated data UL

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

## Control side

|                       |           |                  |             |
|-----------------------|-----------|------------------|-------------|
| Rated control voltage | 24 V DC   | Rated current DC | 36.9 mA     |
| Power rating          | 0.9 W     | Coil resistance  | 640 Ω ± 10% |
| Status indicator      | Green LED |                  |             |

## Load side

|                                         |              |                                         |                         |
|-----------------------------------------|--------------|-----------------------------------------|-------------------------|
| Rated switching voltage                 | 250 V AC     | Continuous current                      | 3 A                     |
| Max. switching voltage, AC              | 250 V        | AC switching capacity (resistive), max. | 750VA                   |
| DC switching capacity (resistive), max. | 72W @ 24V    | Switch-on delay                         | <20 ms                  |
| Switch-off delay                        | <20 ms       | Contact type                            | 4 CO contact (Ag alloy) |
| Min. switching power                    | 12 V / 10 mA |                                         |                         |

## General data

|                                      |     |                        |              |
|--------------------------------------|-----|------------------------|--------------|
| Test button available                | Yes | Version of test button | not lockable |
| Mechanical switch position indicator | Yes | Colour                 | Transparent  |
| UL 94 flammability rating            | V-2 |                        |              |

## Technical data

### Insulation coordination

|                                              |                 |                                                  |                 |
|----------------------------------------------|-----------------|--------------------------------------------------|-----------------|
| Rated voltage                                | 250 V           | Pollution severity                               | 2               |
| Surge voltage category                       | III             | Dielectric strength for control side - load side | 2 kVeff / 1 min |
| Dielectric strength of neighbouring contacts | 1 kVeff / 1 min | Protection degree                                | IP20            |

### Further details of approvals / standards

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

### Connection data

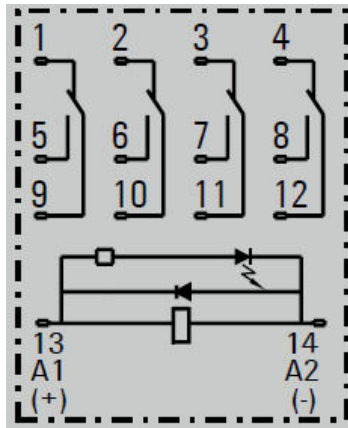
|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

### Classifications

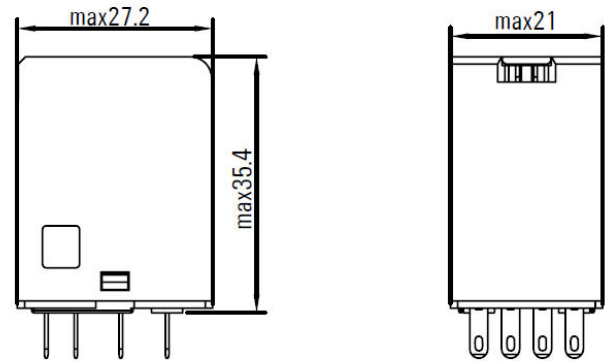
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

## Drawings

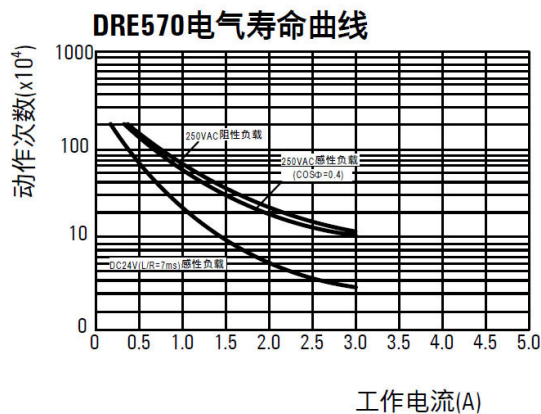
## Wiring diagram



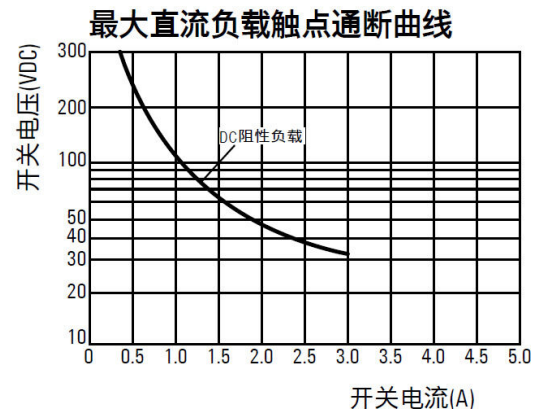
## Dimensional drawing



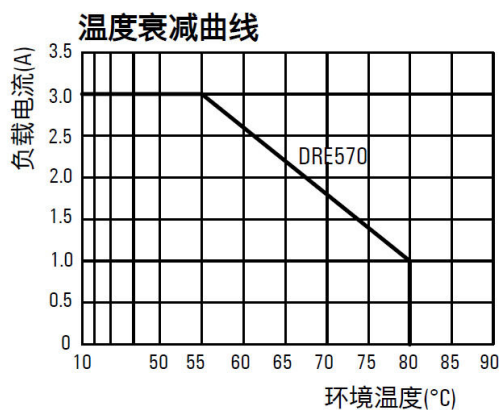
## Graph



## Graph



## Graph



Drawings

Miscellaneous

|                         |                      |  |  |  |  |
|-------------------------|----------------------|--|--|--|--|
| 型号说明                    | DRE                  |  |  |  |  |
| 型号 DRE                  |                      |  |  |  |  |
| 触点类型                    |                      |  |  |  |  |
| 570 4对转换触点              |                      |  |  |  |  |
| 线圈代码                    |                      |  |  |  |  |
| 006 6Vdc / 012 12Vdc    |                      |  |  |  |  |
| 024 24Vdc / 048 48Vdc   |                      |  |  |  |  |
| 110 110Vdc / 220 220Vdc |                      |  |  |  |  |
| 524 24Vac / 548 48Vac   |                      |  |  |  |  |
| 615 115Vav / 730 230Vac |                      |  |  |  |  |
| 带指示灯                    | L(交流线圈使用红色,直流线圈使用绿色) |  |  |  |  |
| 带保护二级管                  | D                    |  |  |  |  |

Type codes

## Accessories

## Sockets



Relay sockets for the D-SERIES DRM relays

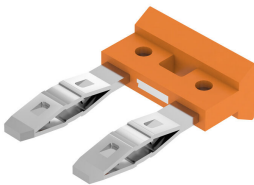
- 2 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## 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 ST                      |                                                                  |
| Type       | FS 4CO ECO                 | Version                                                          |
| Order No.  | <a href="#">7760056127</a> | D-SERIES, Relay socket, Number of contacts: 4, CO contact, Screw |
| GTIN (EAN) | 4032248878161              | connection                                                       |
| Qty.       | 10 ST                      |                                                                  |
| Type       | FS 4CO RL C                | Version                                                          |
| Order No.  | <a href="#">7760056386</a> | D-SERIES, Relay socket                                           |
| GTIN (EAN) | 6944169789069              |                                                                  |
| Qty.       | 10 ST                      |                                                                  |
| 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 ST                      |                                                                  |
| 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 ST                      |                                                                  |

## Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the D-SERIES DRI.

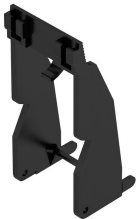


## General ordering data

|            |                            |                           |
|------------|----------------------------|---------------------------|
| Type       | SCM/SDI P CC               | Version                   |
| Order No.  | <a href="#">7760056366</a> | D-SERIES, Cross-connector |
| GTIN (EAN) | 6944169773327              |                           |
| Qty.       | 10 ST                      |                           |

**Accessories****Marker****General ordering data**

|            |                            |                        |
|------------|----------------------------|------------------------|
| Type       | FS MARK                    | Version                |
| Order No.  | <a href="#">7760056180</a> | D-SERIES, Marking tags |
| GTIN (EAN) | 4050118071160              |                        |
| Qty.       | 10 ST                      |                        |

**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 ST                       |                              |

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

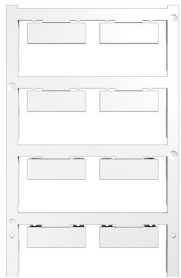
**Clips**

**DRE570024LD****Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Accessories****General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | METAL CLIP SET             | Version                  |
| Order No.  | <a href="#">7760056128</a> | D-SERIES, Retaining clip |
| GTIN (EAN) | 4032248878178              |                          |
| Qty.       | 10 ST                      |                          |

**Blank**

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 NE ... | Version                                                      |
| Order No.  | <a href="#">1520980000</a> | ESG, Device markers x 26 mm, PA 66, Colour: white, pluggable |
| GTIN (EAN) | 4050118327939              |                                                              |
| Qty.       | 80 ST                      |                                                              |

## Counterpart

## 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 ST                      |                                                                  |
| Type       | FS 4CO ECO                 | Version                                                          |
| Order No.  | <a href="#">7760056127</a> | D-SERIES, Relay socket, Number of contacts: 4, CO contact, Screw |
| GTIN (EAN) | 4032248878161              | connection                                                       |
| Qty.       | 10 ST                      |                                                                  |
| Type       | FS 4CO RL C                | Version                                                          |
| Order No.  | <a href="#">7760056386</a> | D-SERIES, Relay socket                                           |
| GTIN (EAN) | 6944169789069              |                                                                  |
| Qty.       | 10 ST                      |                                                                  |
| 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 ST                      |                                                                  |
| 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 ST                      |                                                                  |