

## DRL273615L

**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 DRL

- 2 CO contacts
- Optional AC or DC coils
- With integrated status LED

## General ordering data

|            |  |
|------------|--|
| Version    | D-SERIES DRL, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 115 V AC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No |
| Order No.  | <a href="#">2765410000</a>   |
| Type       | DRL273615L   |
| GTIN (EAN) | 4064675076780  |
| Qty.       | 20 items   |

## Technical data

### Approvals

Approvals



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

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 36 mm   | Depth (inches)  | 1.4173 inch |
| Height     | 28 mm   | Height (inches) | 1.1024 inch |
| Width      | 21.5 mm | Width (inches)  | 0.8465 inch |
| Net weight | 31.37 g |                 |             |

### Temperatures

|                       |                |                     |                                      |
|-----------------------|----------------|---------------------|--------------------------------------|
| Storage temperature   | -25 °C...55 °C | Ambient temperature | -25 °C...55 °C                       |
| Operating temperature |                | Humidity            | 35 % to 85 % relative humidity level |

### 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 | 115 V AC | Rated current AC | 12.9 mA       |
| Power rating          | 1.2 VA   | Coil resistance  | 4430 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                                | Max. switching voltage, AC              | 250 V                |
| Inrush current                          | 50 A / 50 ms                          | AC switching capacity (resistive), max. | 2500 VA              |
| DC switching capacity (resistive), max. | 300 W @ 24 V                          | Switch-on delay                         | <20 ms               |
| Switch-off delay                        | <20 ms                                | Contact type                            | 2 CO contact (AgSnO) |
| Mechanical service life                 | 10 x 10 <sup>6</sup> switching cycles | Min. switching power                    | 10 mA @ 12 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                     |

**Technical data**

**Insulation coordination**

|   |                    |  |                   |
|---|--------------------|--|-------------------|
| Rated voltage   | 250 V              | Pollution severity                               | 3                 |
| Surge voltage category  | III                | Insulating material group                        | IIIa              |
| Clearance and creepage distances for control side - load side | ≥ 4 mm             | Dielectric strength for control side - load side | 2.5 kVeff / 1 min |
| Dielectric strength of neighbouring contacts                  | 1.2 kVeff / 1 min. | Dielectric strength of open contact              | 2 kVeff / 1 min   |
| Impulse withstand voltage                                     | 5 kV (1.2/50 µs)   | Protection degree                                | IP20              |

**Further details of approvals / standards**

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

**Connection data**

|                        |   |
|------------------------|---|
| Wire connection method | Flat blade connections<br>(4.8 mm x 0.5 mm) |
|------------------------|---|

**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 |             |             |

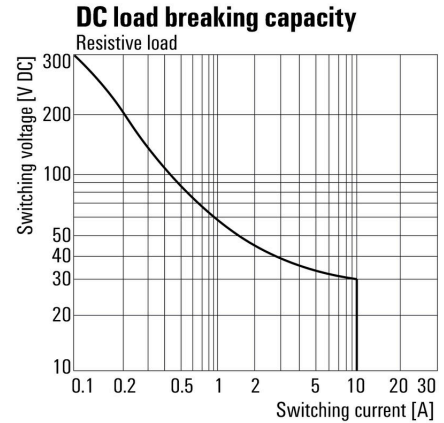
Drawings

Wiring diagram



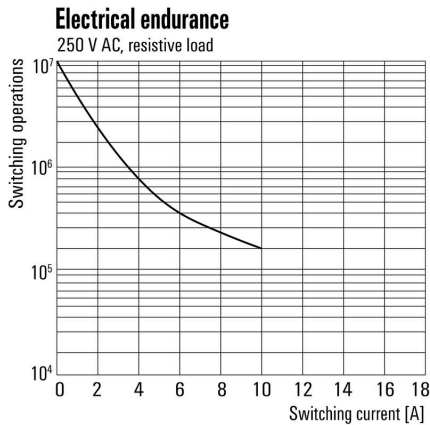
View of Pins from below

DC load limit curve



DC load limit curve Resistive load

Graph



Electrical service life

Graph



DC operational voltage range

Dimensional drawing



**Miscellaneous**



Type codes

## DRL273615L

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

www.weidmueller.com

## Accessories

## Sockets



Relay sockets for the D-SERIES DRL relays

- 2, 3 and 4 CO contacts
- Screw connection

## General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | SLD F 2CO                  | Version  |  |
| Order No.  | <a href="#">7760056225</a> | D-SERIES DRL, Relay socket, Number of contacts: 2, CO contact, |  |
| GTIN (EAN) | 6944169634017              | Continuous current: 10 A, Screw connection                     |  |
| Qty.       | 10 ST                      |  |  |

## Retaining clips



Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

## General ordering data

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

## LED



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

- With green LED

## General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | RIM 3 110/230VUC           | Version  |  |
| Order No.  | <a href="#">7940018455</a> | D-SERIES, LED module, Rated control voltage: 110...230 V UC, Plug- |  |
| GTIN (EAN) | 4032248878185              | in connection  |  |
| Qty.       | 10 ST                      |  |  |

## DRL273615L

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

www.weidmueller.com

## Accessories

### Protection modules



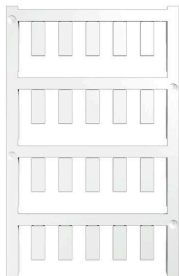
Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With free-wheeling diode or RC filter

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | RIM 3 110/230VAC           | Version  |  |
| Order No.  | <a href="#">7760056014</a> | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in connection |  |
| GTIN (EAN) | 4032248878109              |  |  |
| Qty.       | 10 ST                      |  |  |
| Type       | RIM 3 110/230VAC LED       | Version  |  |
| Order No.  | <a href="#">7760056045</a> | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in connection |  |
| GTIN (EAN) | 4032248878147              |  |  |
| 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 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 ST                     |   |  |
| 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 ST                     |   |  |
| 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 ST                     |   |  |

## DRL273615L

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

www.weidmueller.com

## Accessories

|            |                            |  |  |
|------------|----------------------------|--|--|
| 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 ST                     |  |  |

### 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.       | 3000 ST                    |                                       |  |

### ESG 6/17



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 6/17 MM WS             | Version                               |  |
| Order No.  | <a href="#">2005100000</a> | ESG, Device markers, 6 x 17 mm, white |  |
| GTIN (EAN) | 4050118390728              |                                       |  |
| Qty.       | 3000 ST                    |                                       |  |

## Counterpart

### Sockets



- Relay sockets for the D-SERIES DRL relays
- 2, 3 and 4 CO contacts
  - Screw connection

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | SLD F 2CO                  | Version  |  |
| Order No.  | <a href="#">7760056225</a> | D-SERIES DRL, Relay socket, Number of contacts: 2, CO contact, |  |
| GTIN (EAN) | 6944169634017              | Continuous current: 10 A, Screw connection                     |  |
| Qty.       | 10 ST                      |  |  |