

DRL273730L**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: 230 V AC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No |
| Order No. | 2765420000 |
| Type | DRL273730L |
| GTIN (EAN) | 4064675076773 |
| Qty. | 20 pc(s). |

Creation date July 22, 2024 9:04:21 AM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 36 mm | Depth (inches) | 1.417 inch |
| Height | 28 mm | Height (inches) | 1.102 inch |
| Width | 21.5 mm | Width (inches) | 0.846 inch |
| Net weight | 34.7 g | | |

Temperatures

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

Rated data UL

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

Control side

| | | | |
|-----------------------|----------|------------------|---------------------------|
| Rated control voltage | 230 V AC | Rated current AC | 6.8 mA |
| Power rating | 1.2 VA | Coil resistance | 16500 Ω \pm 10 % |
| Coil tolerance | 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 ⁶ 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 |

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 | \geq 4 mm | Dielectric strength for control side - load side | 2.5 kV _{eff} / 1 min |
| Dielectric strength of neighbouring contacts | 1.2 kV _{eff} / 1 min. | Dielectric strength of open contact | 2 kV _{eff} / 1 min |
| Impulse withstand voltage | 5 kV (1.2/50 μ s) | Protection degree | IP20 |

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www.weidmueller.com**Technical data****Further details of approvals / standards**

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

Connection data

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

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 |

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 | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | FL_D-SERIES_DRL2CO_LOAD_GUIDE |
| Catalogues | Catalogues in PDF-format |

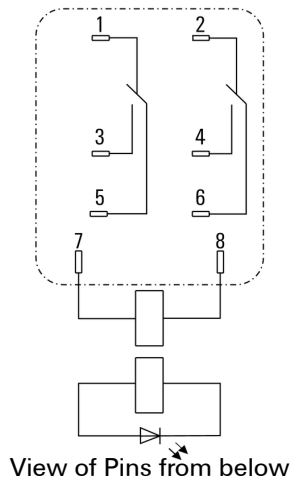
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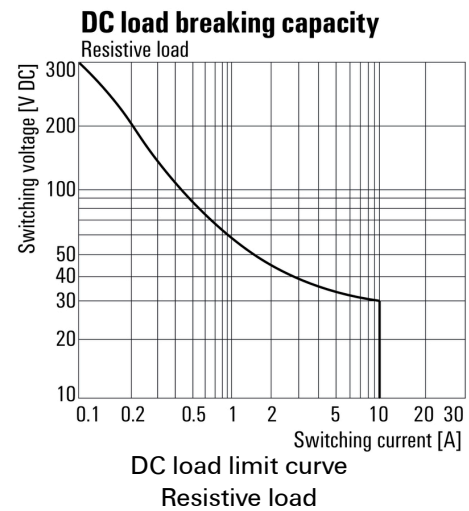
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Drawings

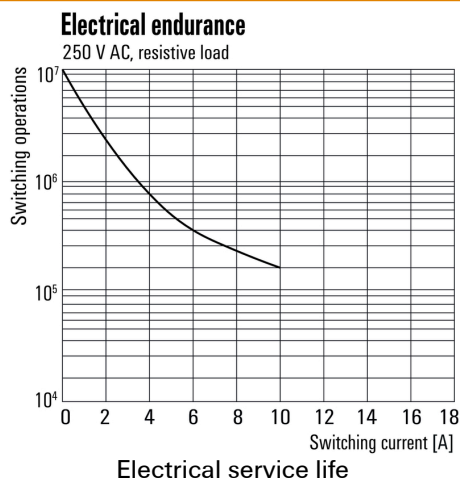
Wiring diagram



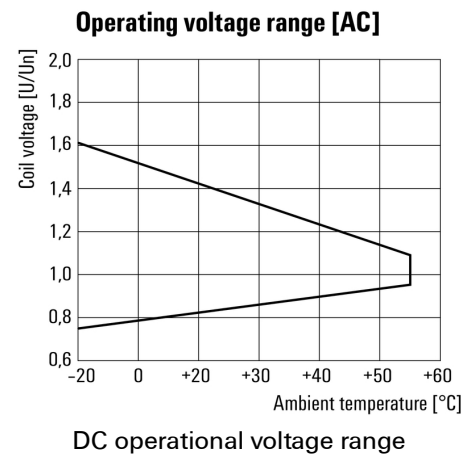
DC load limit curve



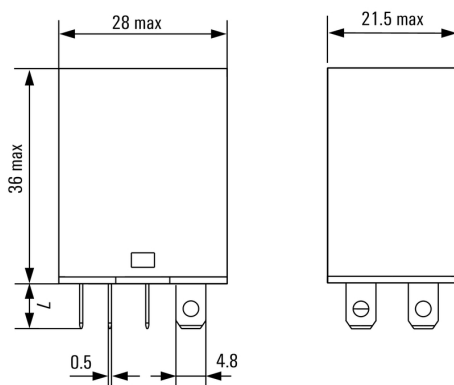
Graph



Graph



Dimensional drawing



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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. | 7760056225 | D-SERIES DRL, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169634017 | Continuous current: 10 A, Screw connection |
| Qty. | 10 pc(s). | |

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

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www.weidmueller.com**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. | 2619940000 | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148 | |
| Qty. | 3,000 pc(s). | |

ESG 6/17**Guaranteed long service life: ESG**

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- "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. | 2005100000 | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728 | |
| Qty. | 3,000 pc(s). | |

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Accessories

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. | 7940018455 | D-SERIES, LED module, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248878185 | connection |
| Qty. | 10 pc(s). | |

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 6/15 K MC NE GE | Version |
| Order No. | 1880130000 | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910 | |
| Qty. | 200 pc(s). | |
| Type | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |

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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. | 7760056014 | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in connection |
| GTIN (EAN) | 4032248878109 | |
| Qty. | 10 pc(s). | |
| Type | RIM 3 110/230VAC LED | Version |
| Order No. | 7760056045 | D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in connection |
| GTIN (EAN) | 4032248878147 | |
| Qty. | 10 pc(s). | |

Retaining clips

Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

General ordering data

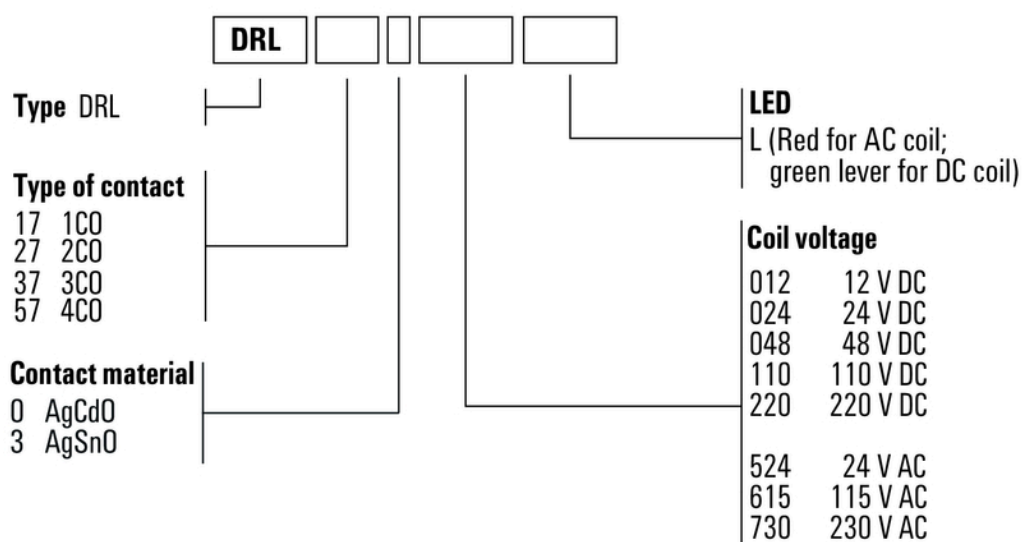
| | | |
|------------|----------------------------|--------------------------|
| Type | DRM/DRL CLIP M | Version |
| Order No. | 7760056108 | D-SERIES, Retaining clip |
| GTIN (EAN) | 4032248855568 | |
| Qty. | 10 pc(s). | |

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Type codes