

**DRL173524L****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

- 1 CO contact
- Optional AC or DC coils
- With integrated status LED

**General ordering data**

|            |                                                                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRL, Relay, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V AC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No |
| Order No.  | <a href="#">2765370000</a>                                                                                                                                                                  |
| Type       | DRL173524L                                                                                                                                                                                  |
| GTIN (EAN) | 4064675076827                                                                                                                                                                               |
| Qty.       | 20 pc(s).                                                                                                                                                                                   |

Creation date May 16, 2025 8:26:32 AM CEST

Catalogue status 10.05.2025 / 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 | 31.196 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 | 24 V AC | Rated current AC | 54 mA        |
| Power rating          | 1.2 VA  | Coil resistance  | 160 Ω ± 10 % |
| Status indicator      | red LED |                  |              |

**Load side**

|                                         |                                       |                                         |                      |
|-----------------------------------------|---------------------------------------|-----------------------------------------|----------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 16 A                 |
| Max. switching frequency at rated load  | 0.1 Hz                                | Max. switching voltage, AC              | 250 V                |
| Inrush current                          | 80 A / 50 ms                          | AC switching capacity (resistive), max. | 4000 VA              |
| DC switching capacity (resistive), max. | 480 W @ 24 V                          | Switch-on delay                         | <20 ms               |
| Switch-off delay                        | <20 ms                                | Contact type                            | 1 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                     |

**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 kV <sub>eff</sub> / 1 min  |
| Dielectric strength of neighbouring contacts                  | 2 kV <sub>eff</sub> / 1 min | Dielectric strength of open contact              | 1.2 kV <sub>eff</sub> / 1 min. |
| Impulse withstand voltage                                     | 5 kV (1.2/50 μs)            | Protection degree                                | IP20                           |

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|                         |         |
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|-------------------------|---------|

**Connection data**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> |
| 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>                                         |
| User Documentation                          | <a href="#">FL_D-SERIES_DRL1CO_LOAD_GUIDE</a>                           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |

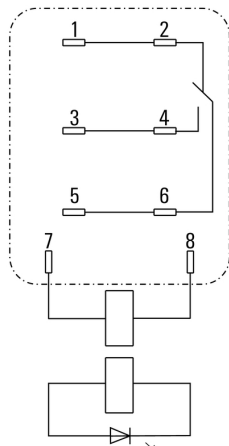
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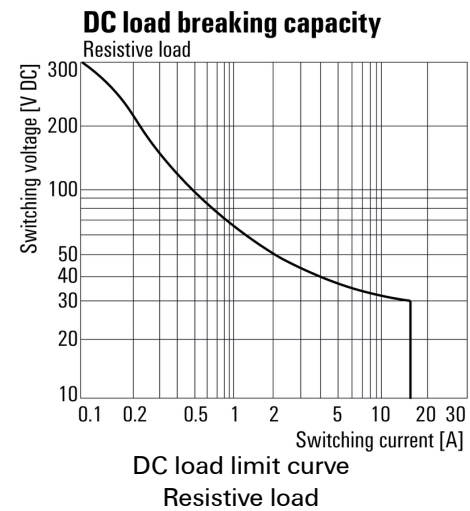
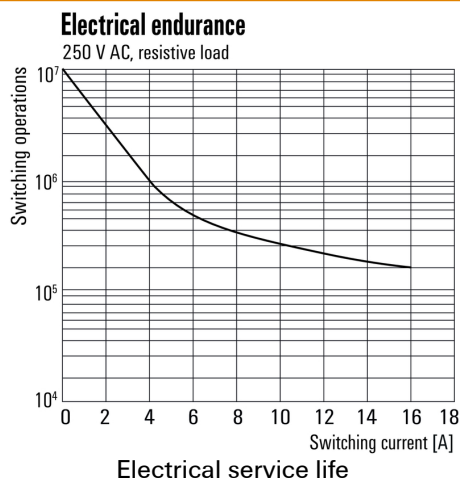
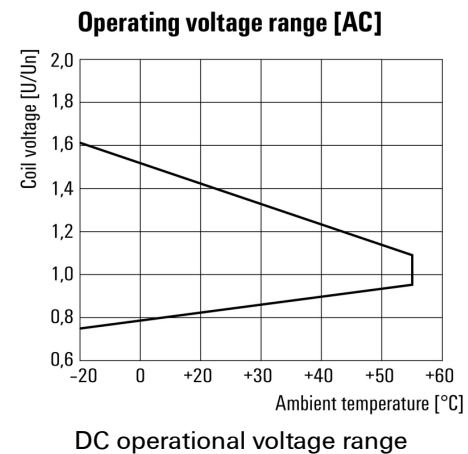
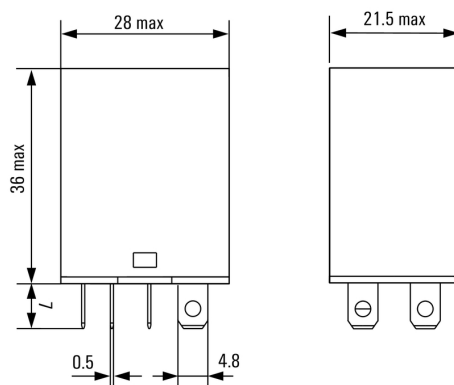
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**Drawings****Wiring diagram**

View of Pins from below

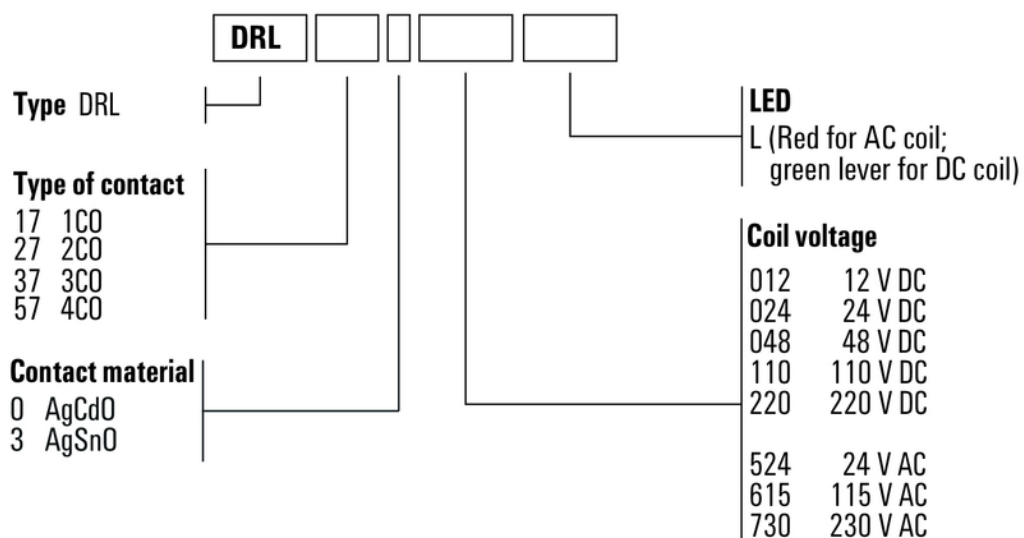
**DC load limit curve****Graph****Graph****Dimensional drawing**

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Type codes