

**DRI424110LD****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Similar to illustration

dividual relays within the D-SERIES DRI

- 2 CO contact
- DC coils
- With integrated status LED and free-wheeling diode

**General ordering data**

|            |   |
|------------|---|
| Version    | D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No |
| Order No.  | <a href="#">7760056338</a>  |
| Type       | DRI424110LD   |
| GTIN (EAN) | 6944169739859   |
| Qty.       | 20 pc(s).   |

## DRI424110LD

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 28 mm | Depth (inches)  | 1.102 inch |
| Height     | 31 mm | Height (inches) | 1.22 inch  |
| Width      | 13 mm | Width (inches)  | 0.512 inch |
| Net weight | 19 g  |                 |            |

## Temperatures

|                     |  |                       |                |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...85 °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 | 110 V DC       | Rated current DC               | 4,8 mA              |
| Power rating          | 530 mW         | Pull-in/drop-out voltage, typ. | 82.5 V / 16.5 V DC  |
| Coil resistance       | 22800 Ω ± 10 % | Coil tolerance                 | 10 %                |
| Status indicator      | Green LED      | Protective circuit             | Free-wheeling diode |

## Load side

|   |  |   |                                       |
|---|--|---|---------------------------------------|
| Rated switching voltage                 | 250 V AC                                 | Continuous current                      | 5 A                                   |
| Max. switching frequency at rated load  | 0.1 Hz                                   | Max. switching voltage, DC              | 250 V                                 |
| AC switching capacity (resistive), max. | 1250 VA                                  | DC switching capacity (resistive), max. | 150 W @ 24 V                          |
| Switch-on delay                         | ≤ 15 ms                                  | Switch-off delay                        | ≤ 10 ms                               |
| Contact type                            | 2 CO contact (AgSnO)                     | Mechanical service life                 | 10 × 10 <sup>6</sup> switching cycles |
| Min. switching power                    | 10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |   |                                       |

## General data

|                                      |                          |                 |
|--------------------------------------|--------------------------|-----------------|
| Test button available                | No                       |                 |
| Mechanical switch position indicator | No                       |                 |
| Colour                               | Transparent              |                 |
| UL94 flammability rating component   | Component                | Relay cover     |
|                                      | UL94 flammability rating | V-2             |
|                                      | Component                | Relay baseplate |
|                                      | UL94 flammability rating | V-0             |

## Insulation coordination

|   |                                |  |                             |
|---|--------------------------------|--|-----------------------------|
| Rated voltage   | 300 V                          | Pollution severity                               | 2                           |
| 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 | 5 kV <sub>eff</sub> / 1 min |
| Dielectric strength of neighbouring contacts                  | 1.5 kV <sub>eff</sub> / 1 min. | Dielectric strength of open contact              | 1 kV <sub>eff</sub> / 1 min |
| Impulse withstand voltage                                     | 5 kV (1.2/50 μs)               | Protection degree                                | IP20                        |

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## Technical data

## 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 | Flat blade connections<br>(2.5 mm x 0.5 mm) |
|------------------------|---|

## 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>                                |

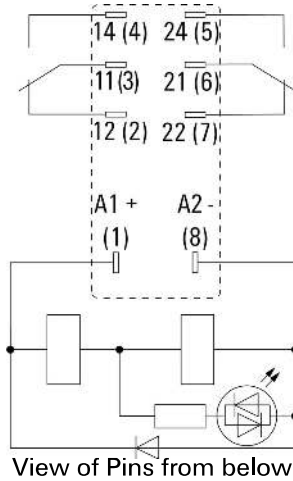
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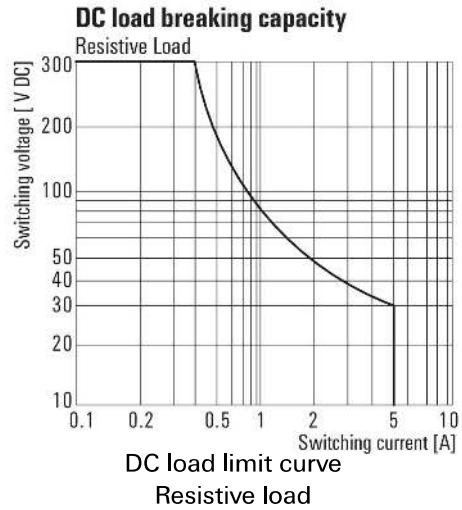
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**Drawings**

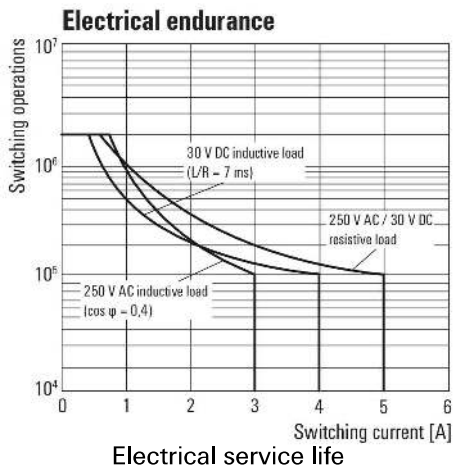
**Wiring diagram**



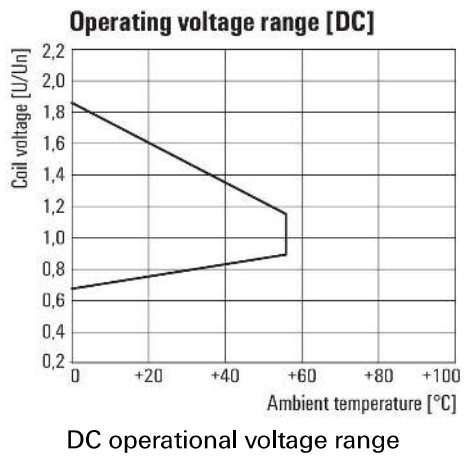
**Graph**



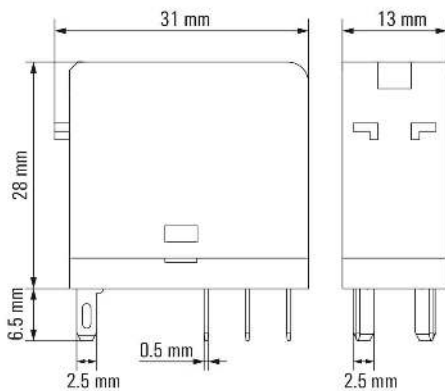
**Graph**



**Graph**



**Dimensional drawing**



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**Drawings**

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**Miscellaneous**

