

**DRI424024L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Individual relays within the D-SERIES DRI

- 2 CO contact
- AC coils
- With integrated status LED

**General ordering data**

|            |                                                                                                                                                                 |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm) |
| Order No.  | <a href="#">7760056329</a>                                                                                                                                      |
| Type       | DRI424024L                                                                                                                                                      |
| GTIN (EAN) | 6944 169740343                                                                                                                                                  |
| Qty.       | 20 pc(s).                                                                                                                                                       |

Creation date March 29, 2021 8:51:38 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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  |
| Net weight     | 19 g       | Width           | 13 mm      |
| Width (inches) | 0.512 inch |                 |            |

**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**

|                                |                        |                       |           |
|--------------------------------|------------------------|-----------------------|-----------|
| Coil resistance                | 1100 $\Omega \pm 10\%$ | Power rating          | 530 mW    |
| Pull-in/drop-out voltage, typ. | 18 V / 3.6 V DC        | Rated control voltage | 24 V DC   |
| Rated current DC               | 21,8 mA                | Status indicator      | Green LED |

**Load side**

|                                         |              |                                        |                                          |
|-----------------------------------------|--------------|----------------------------------------|------------------------------------------|
| AC switching capacity (resistive), max. | 1250 VA      | Continuous current                     | 5 A                                      |
| DC switching capacity (resistive), max. | 150 W @ 24 V | Max. switching frequency at rated load | 0.1 Hz                                   |
| Max. switching voltage, DC              | 250 V        | Min. switching power                   | 10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |
| Rated switching voltage                 | 250 V AC     | Switch-off delay                       | $\leq 10$ ms                             |
| Switch-on delay                         | $\leq 15$ ms |                                        |                                          |

**Contact data**

|              |                      |                         |                                       |
|--------------|----------------------|-------------------------|---------------------------------------|
| Contact type | 2 CO contact (AgSnO) | Mechanical service life | 10 x 10 <sup>6</sup> switching cycles |
|--------------|----------------------|-------------------------|---------------------------------------|

**General data**

|                                      |                          |                 |
|--------------------------------------|--------------------------|-----------------|
| Test button                          | 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             |

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**Technical data****Insulation coordination**

|                                                |                             |                                              |                                |
|------------------------------------------------|-----------------------------|----------------------------------------------|--------------------------------|
| Creepage and clearance distance input – output | ≥ 4 mm                      | 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 | Dielectric strength, Input/Output            | 5 kV <sub>eff</sub> / 1 min    |
| Impulse withstand voltage                      | 5 kV (1.2/50 µs)            | Insulating material group                    | IIIa                           |
| Pollution severity                             | 2                           | Protection degree                            | IP20                           |
| Rated voltage                                  | 300 V                       | Surge voltage category                       | III                            |

**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 (2.5 mm x 0.5 mm) |
|------------------------|------------------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | 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 |

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E312083 |

**Downloads**

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |

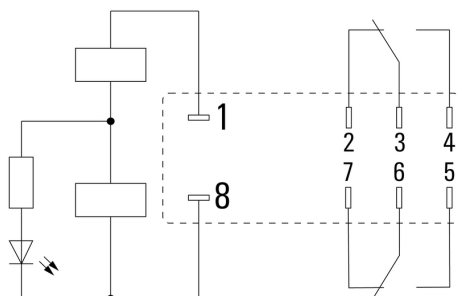
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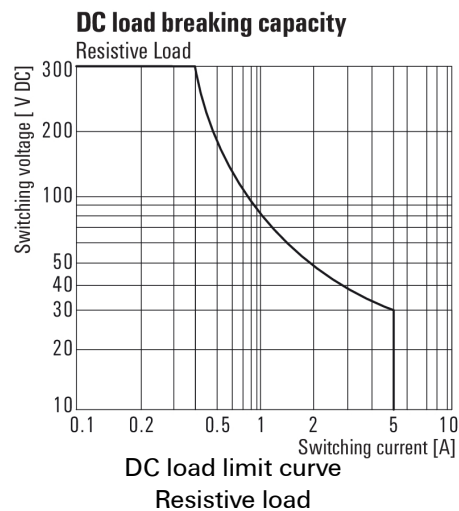
## Drawings

### Wiring diagram

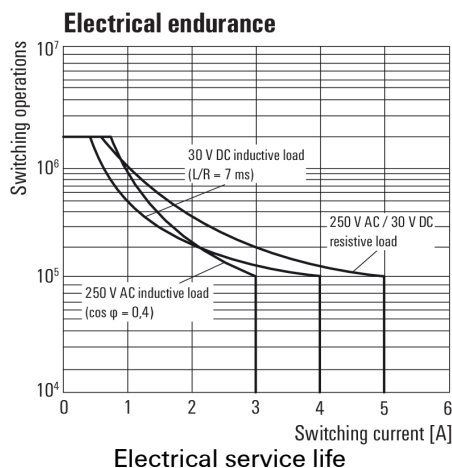


View of Pins from below

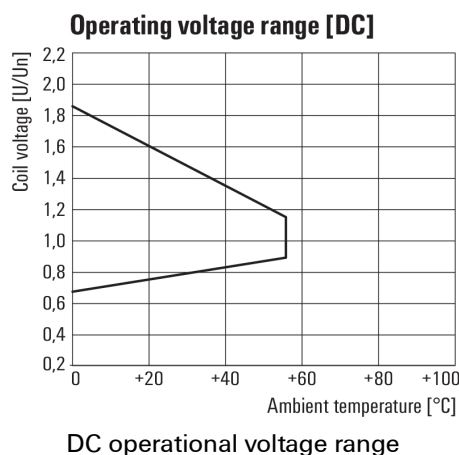
### Graph



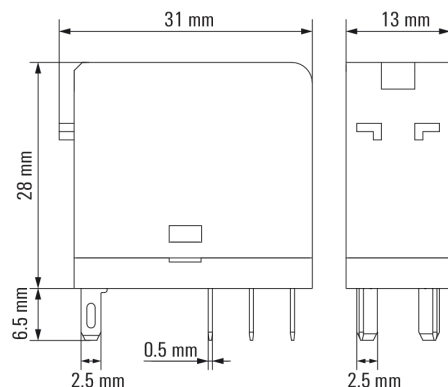
### Graph



### Graph



### Dimensional drawing

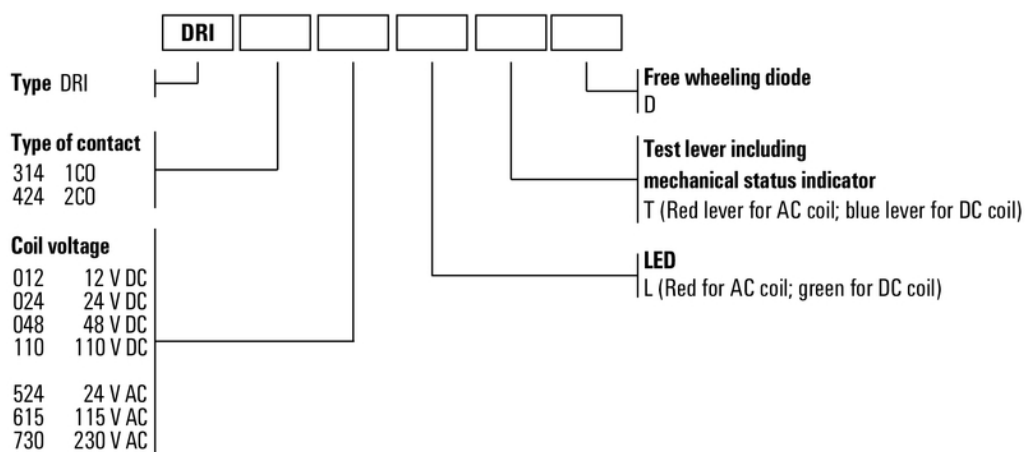


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Type codes