

**DRI314024****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

- 1 CO contact
- Optional AC or DC coils

**General ordering data**

|            |                                                                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm), Test button available: No |
| Order No.  | <a href="#">7760056297</a>                                                                                                                                                                  |
| Type       | DRI314024                                                                                                                                                                                   |
| GTIN (EAN) | 6944 169740022                                                                                                                                                                              |
| Qty.       | 20 pc(s).                                                                                                                                                                                   |

Creation date October 30, 2021 5:05:38 AM CEST

Catalogue status 22.10.2021 / 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  |
| 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 | 24 V DC                | Rated current DC               | 21,8 mA         |
| Power rating          | 530 mW                 | Pull-in/drop-out voltage, typ. | 18 V / 3.6 V DC |
| Coil resistance       | 1100 $\Omega \pm 10\%$ |                                |                 |

**Load side**

|                                         |                                          |                                         |                      |
|-----------------------------------------|------------------------------------------|-----------------------------------------|----------------------|
| Rated switching voltage                 | 250 V AC                                 | Continuous current                      | 10 A                 |
| 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 | AC switching capacity (resistive), max. | 2500 VA              |
| DC switching capacity (resistive), max. | 240 W @ 24 V                             | Switch-on delay                         | $\leq 15$ ms         |
| Switch-off delay                        | $\leq 10$ ms                             | Contact type                            | 1 CO contact (AgSnO) |
| Mechanical service life                 | 10 x 10 <sup>6</sup> switching cycles    |                                         |                      |

**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 | $\geq 4$ mm                 | Dielectric strength for control side - load side | 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 $\mu$ s)       |
| Protection degree                                             | IP20                        |                                                  |                             |

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**Technical data****Further details of approvals / standards**

|           |                                                                                                  |                         |
|-----------|--------------------------------------------------------------------------------------------------|-------------------------|
| Standards | IEC 61810-1, EN<br>60664-1:2007, EN<br>61000-6-2:2005, EN<br>61000-6-4:2007 +<br>A1:2011, UL 508 | Certificate No. (cURus) |
|           |                                                                                                  | E312083                 |

**Connection data**

|                        |                                             |
|------------------------|---------------------------------------------|
| Wire connection method | Flat blade connections<br>(4.7 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 |             |             |

**Approvals**

Approvals



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

**Downloads**

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

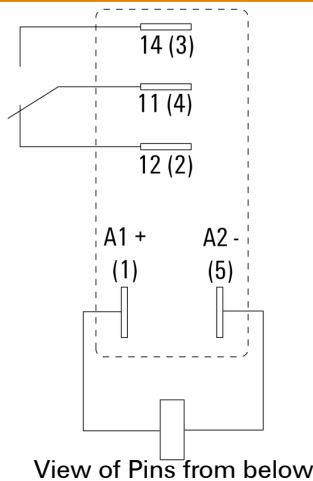
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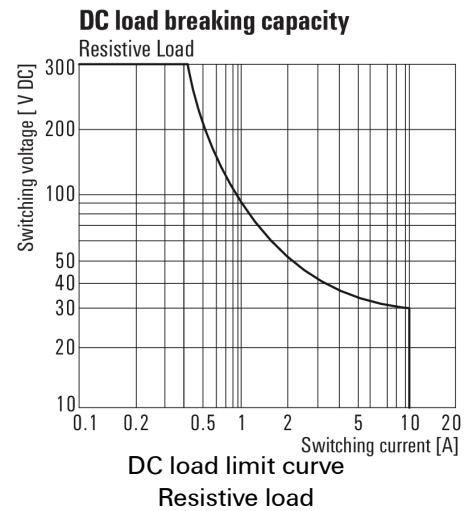
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## Drawings

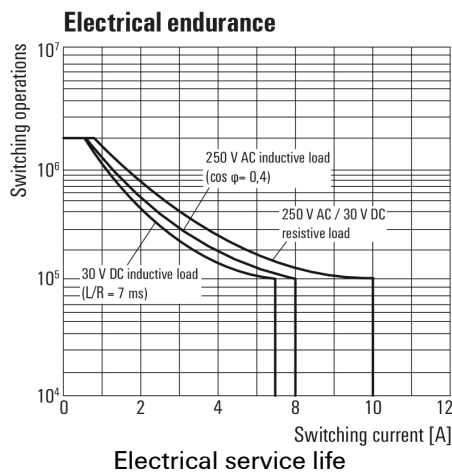
### Wiring diagram



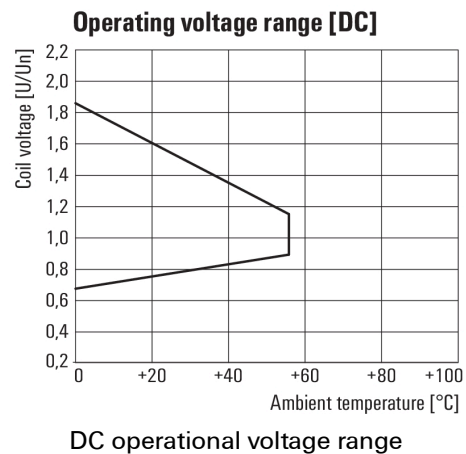
### Graph



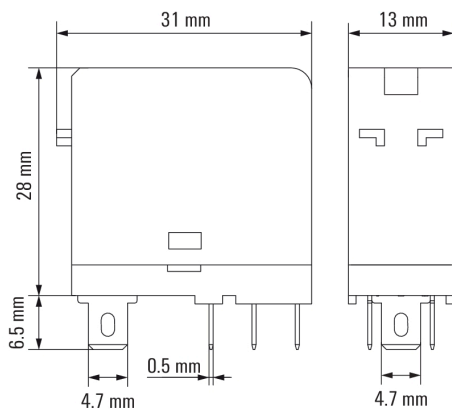
### Graph



### Graph



### Dimensional drawing



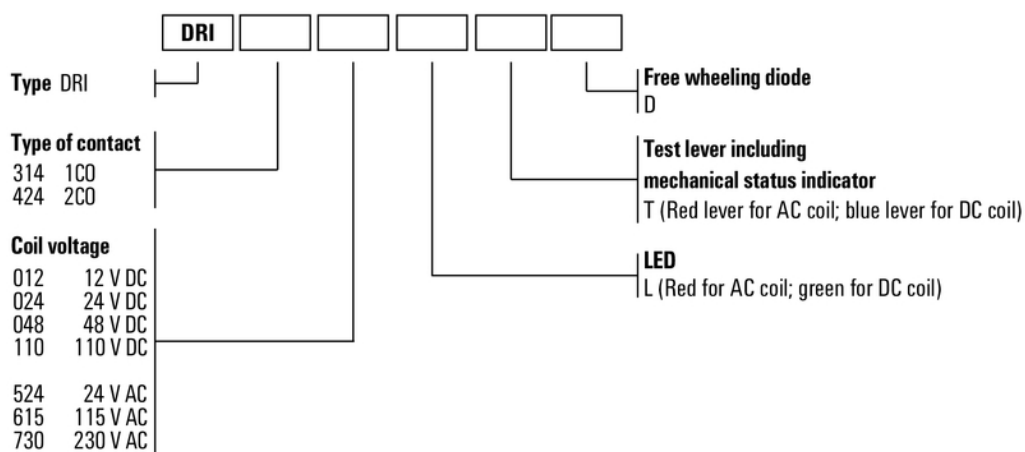
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## Drawings

## Miscellaneous



Type codes