

**DRI314024LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Individual relays within the D-SERIES DRI

- 1 CO contact
- DC coils
- With integrated status LED, free-wheeling diode and test button

**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: Yes |
| Order No.  | <a href="#">7760056315</a>                                                                                                                                                                   |
| Type       | DRI314024LTD                                                                                                                                                                                 |
| GTIN (EAN) | 6944169740206                                                                                                                                                                                |
| Qty.       | 20 pc(s).                                                                                                                                                                                    |

Creation date March 25, 2024 11:57:27 AM CET

Catalogue status 23.03.2024 / We reserve the right to make technical changes.

**DRI314024LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Dimensions and weights**

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 33.5 mm  | Depth (inches)  | 1.319 inch |
| Height     | 31 mm    | Height (inches) | 1.22 inch  |
| Width      | 13 mm    | Width (inches)  | 0.512 inch |
| Net weight | 20.108 g |                 |            |

**Temperatures**

|                     |                                          |                       |                |
|---------------------|------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                           | Operating temperature | -40 °C...55 °C |
| Humidity            | 35...85 % rel. humidity, no condensation |                       |                |

**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              | Coil resistance  | 1100 $\Omega \pm 10\%$ |
| Coil tolerance        | 10 %                | Status indicator | Green LED              |
| Protective circuit    | Free-wheeling diode |                  |                        |

**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                                    |
| Max. switching voltage, DC              | 250 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 | Min. switching power                    | 10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

**General data**

|                                      |                                             |                   |
|--------------------------------------|---------------------------------------------|-------------------|
| Test button available                | Yes                                         |                   |
| Version of test button               | Lockable test button, Momentary test button |                   |
| 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               |
|                                      | Component                                   | Relay test button |
|                                      | UL94 flammability rating                    | HB                |

**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                        |                                                  |                             |

**DRI314024LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Further details of approvals / standards**

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

**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>                                                             |
| Product Change Notification                 | <a href="#">20210401 Product change Notification D-SERIES DRI relays - status indicator</a> |
| User Documentation                          | <a href="#">FL_D-SERIES_DRI1CO_LOAD_GUIDE</a>                                               |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                    |

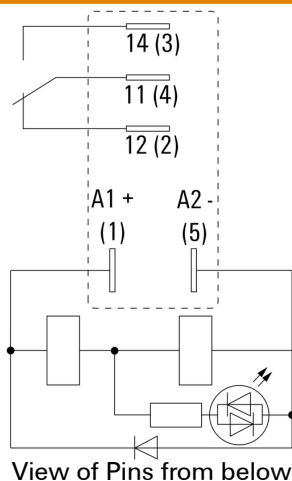
## DRI314024LTD

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

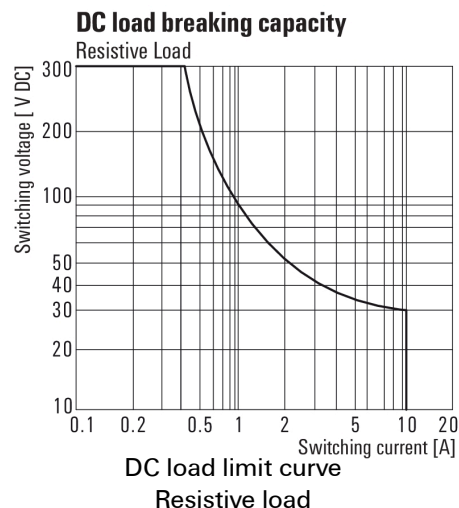
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

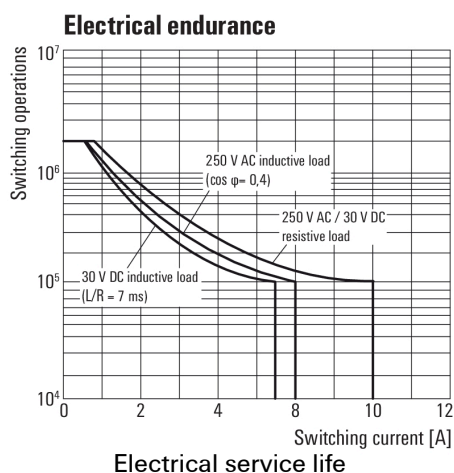
### Wiring diagram



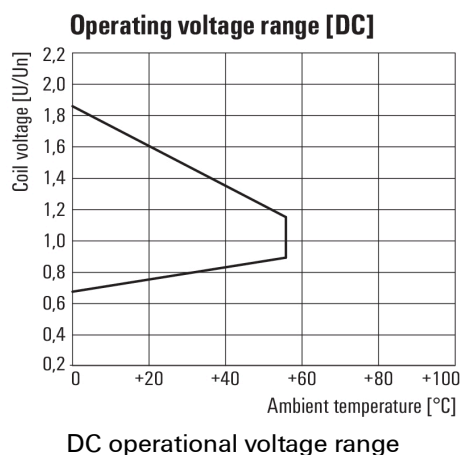
### Graph



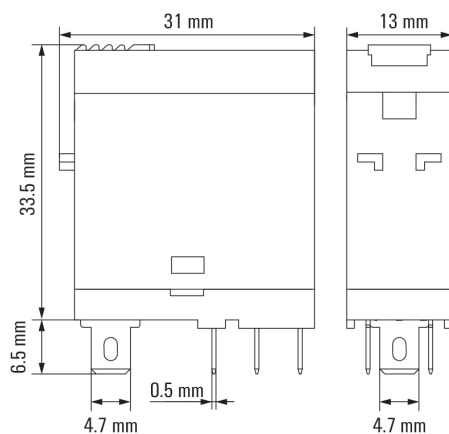
### Graph



### Graph



### Dimensional drawing

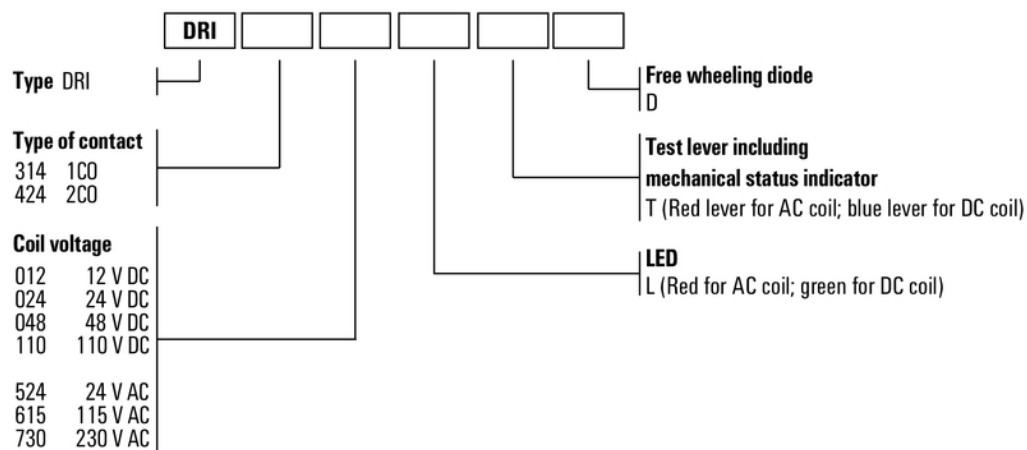


**DRI314024LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous**

Type codes