

**D-SERIES DRI  
DRI424524****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 1429-0

Fax: +49 5231 14292083

www.weidmueller.com



Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

**General ordering data**

|            |                                                                                                                                                            |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | DRI424524                                                                                                                                                  |
| Order No.  | <a href="#">7760056325</a>                                                                                                                                 |
| Version    | D-SERIES DRI, Relay, No. of contacts: 2 CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm) |
| GTIN (EAN) | 6944169740305                                                                                                                                              |
| Qty.       | 20 pc(s).                                                                                                                                                  |

**D-SERIES DRI**  
**DRI424524**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 1429-0

Fax: +49 5231 14292083

www.weidmueller.com

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

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

**Temperatures**

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

**Input**

|                       |              |                                |                   |
|-----------------------|--------------|--------------------------------|-------------------|
| Rated control voltage | 24 V AC      | Rated current AC               | 50 mA             |
| Power rating          | 1.2 VA       | Pull-in/drop-out voltage, typ. | 19.2 V / 7.2 V AC |
| Coil resistance       | 240 Ω ± 10 % |                                |                   |

**Output**

|                                         |                            |                                         |              |
|-----------------------------------------|----------------------------|-----------------------------------------|--------------|
| Rated switching voltage                 | 250 V AC                   | Max. switching voltage, AC              | 250 V        |
| Max. switching voltage, DC              | 250 V                      | Continuous current                      | 5 A          |
| 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      |
| Min. switching power                    | 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load  | 0.1 Hz       |

**Contact data**

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

**General data**

|             |    |                                      |    |
|-------------|----|--------------------------------------|----|
| Test button | No | Mechanical switch position indicator | No |
|-------------|----|--------------------------------------|----|

**Insulation coordination**

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

**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) |
|------------------------|------------------------------------------|

**D-SERIES DRI  
DRI424524**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 5.0   | EC001437    | ETIM 6.0   | EC001437    |
| eClass 7.1 | 27-37-16-01 | eClass 8.1 | 27-37-16-01 |
| eClass 9.0 | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |

**Approvals**

Approvals



ROHS Conform

**Downloads**

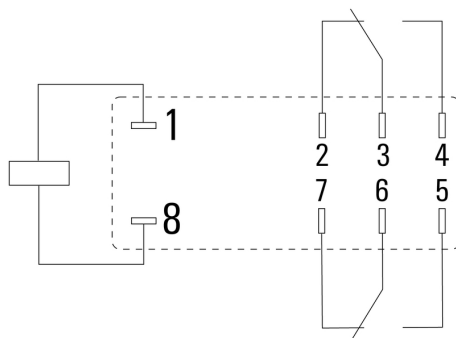
|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| Approval/Certificate/Document of<br>Conformity | <a href="#">DE_PA_5600_160310_002.pdf</a> |
| Engineering Data                               | <a href="#">EPLAN_WSCAD</a>               |

## D-SERIES DRI DRI424524

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com

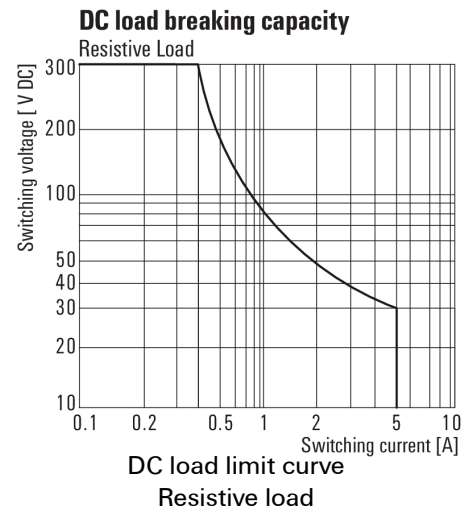
## Drawings

### Wiring diagram

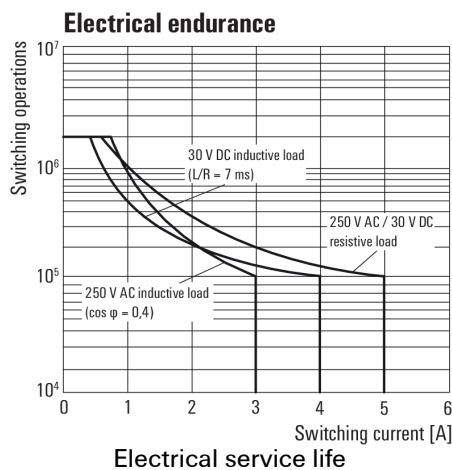


View of Pins from below

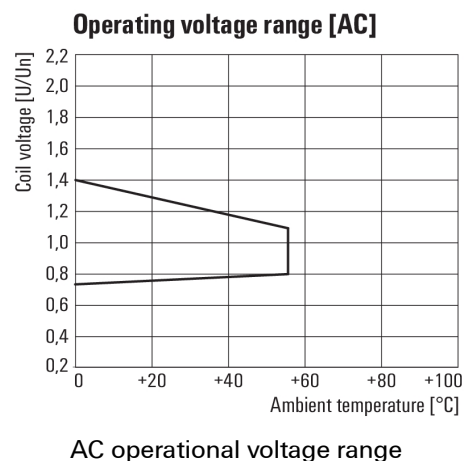
### Graph



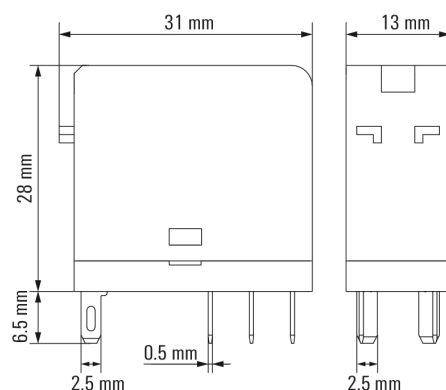
### Graph



### Graph



### Dimensional drawing



**D-SERIES DRI**  
**DRI424524**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 1429-0  
 Fax: +49 5231 14292083  
 www.weidmueller.com

**Drawings**
**Miscellaneous**

|                                                  |                                                                                                                                                                                  |  |  |  |  |  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Type code                                        | <div> <div>DRI</div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>                                                                                          |  |  |  |  |  |
| Type                                             | DRI                                                                                                                                                                              |  |  |  |  |  |
| Type of construction                             | <div> <div>314 1 CO contact</div> <div>424 2 CO contacts</div> </div>                                                                                                            |  |  |  |  |  |
| Coil voltage                                     | <div> <div>012 12 V DC</div> <div>024 24 V DC</div> <div>048 48 V DC</div> <div>110 110 V DC</div> <div>524 24 V AC</div> <div>615 115 V AC</div> <div>730 230 V AC</div> </div> |  |  |  |  |  |
| LED                                              | L (Red for AC coil; green for DC coil)                                                                                                                                           |  |  |  |  |  |
| Test lever including mechanical status indicator | T (Red lever for AC coil; blue lever for DC coil)                                                                                                                                |  |  |  |  |  |
| Free wheeling diode                              | D                                                                                                                                                                                |  |  |  |  |  |

Type codes