

**DRI424524LT****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 and test button

**General ordering data**

|            |   |
|------------|---|
| Version    | D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 24 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: Yes |
| Order No.  | <a href="#">7760056343</a>  |
| Type       | DRI424524LT   |
| GTIN (EAN) | 6944169739903   |
| Qty.       | 20 pc(s).   |

Creation date May 3, 2024 2:44:04 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

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**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 | 20.08 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 AC | Rated current AC | 50 mA        |
| Power rating          | 1.2 VA  | Coil resistance  | 240 Ω ± 10 % |
| Coil tolerance        | 10 %    | Status indicator | red LED      |

**Load side**

|   |                                       |   |  |
|---|---------------------------------------|---|--|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 5 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. | 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 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 | ≥ 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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[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  
(2.5 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_DRI2CO_LOAD_GUIDE</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

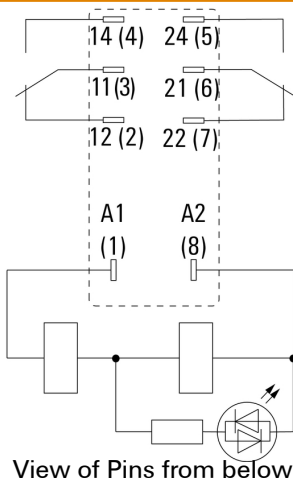
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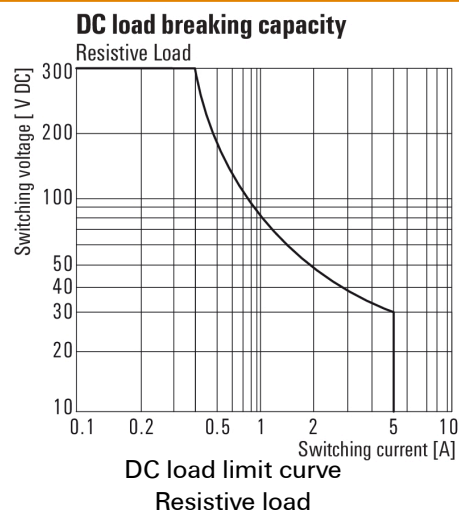
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

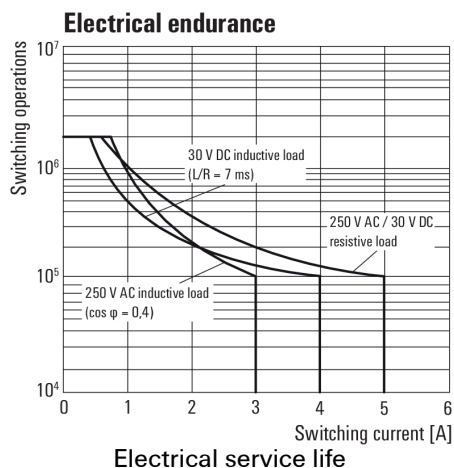
### Wiring diagram



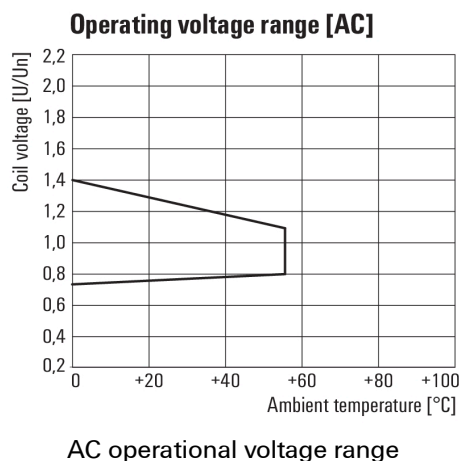
### Graph



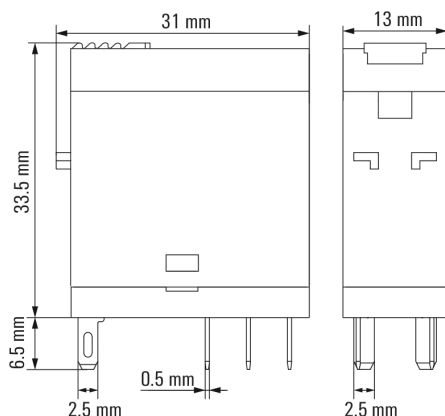
### Graph



### Graph



### Dimensional drawing



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## Accessories

## ESG 6/15

**Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

**Your benefits with MultiMark**

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

**General ordering data**

|            |                            |                                       |
|------------|----------------------------|---------------------------------------|
| Type       | ESG 6/15 MM WS             | Version                               |
| Order No.  | <a href="#">2619940000</a> | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

**Blank**

ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | ESG 6/15 SDI MC NE WS      | Version   |
| Order No.  | <a href="#">2558340000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569056              |   |
| Qty.       | 200 pc(s).                 |   |

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## Accessories

## Retaining clips



Retaining clip for D-SERIES DRI relays

- Metal and plastic retaining clip

## General ordering data

| Type       | SDI CLIP                   | Version                      |
|------------|----------------------------|------------------------------|
| Order No.  | <a href="#">7760056352</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169739996              |                              |
| Qty.       | 10 pc(s).                  |                              |
| Type       | SDI CLIP P                 | Version                      |
| Order No.  | <a href="#">7760056389</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169787539              |                              |
| Qty.       | 10 pc(s).                  |                              |
| Type       | SDI CLIP HM                | Version                      |
| Order No.  | <a href="#">7760056390</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169787898              |                              |
| Qty.       | 10 pc(s).                  |                              |

## Custom printing



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

| Type       | ESG 6/15 SDI MC SDR        | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">2558310000</a> | ESG, Device markers x 15 mm, PA 66, Colour: To customer specification |
| GTIN (EAN) | 4050118569025              |   |
| Qty.       | 40 pc(s).                  |   |

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## Accessories

## Sockets



Relay sockets for the D-SERIES DRI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SDI 2CO P                  | Version  |
| Order No.  | <a href="#">7760056365</a> | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169772290              | Continuous current: 8 A, PUSH IN                               |
| Qty.       | 20 pc(s).                  |  |
| Type       | SDI 2CO F ECO              | Version  |
| Order No.  | <a href="#">7760056349</a> | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169739965              | Continuous current: 8 A, Screw connection                      |
| Qty.       | 10 pc(s).                  |  |
| Type       | SDI 2CO                    | Version  |
| Order No.  | <a href="#">7760056351</a> | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169739989              | Continuous current: 8 A, Screw connection                      |
| Qty.       | 10 pc(s).                  |  |
| Type       | SDI 2CO ECO                | Version  |
| Order No.  | <a href="#">7760056347</a> | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169739941              | Continuous current: 8 A, Screw connection                      |
| Qty.       | 10 pc(s).                  |  |

## LED



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With green LED

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | RIM 3 6/24VUC              | Version  |
| Order No.  | <a href="#">7940018457</a> | D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in  |
| GTIN (EAN) | 4032248878192              | connection   |
| Qty.       | 10 pc(s).                  |  |
| Type       | RIM 3 24/60VUC             | Version  |
| Order No.  | <a href="#">7760056018</a> | D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in |
| GTIN (EAN) | 4032248878130              | connection   |
| Qty.       | 10 pc(s).                  |  |

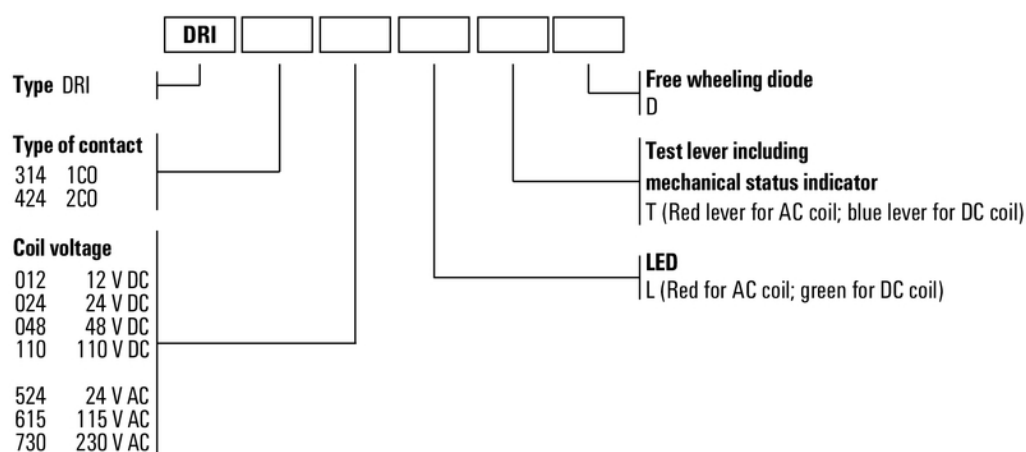
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## Drawings

## Miscellaneous



Type codes