

**DRI424110LD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

dividual relays within the D-SERIES DRI

- 2 CO contact
- DC coils
- With integrated status LED and free-wheeling diode

**General ordering data**

|            |                                                                                                                                                                                             |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No |
| Order No.  | <a href="#">7760056338</a>                                                                                                                                                                  |
| Type       | DRI424110LD                                                                                                                                                                                 |
| GTIN (EAN) | 6944169739859                                                                                                                                                                               |
| Qty.       | 20 pc(s).                                                                                                                                                                                   |

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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 |                       |                |

**Rated data UL**

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

**Control side**

|                       |           |                    |                         |
|-----------------------|-----------|--------------------|-------------------------|
| Rated control voltage | 110 V DC  | Rated current DC   | 4,8 mA                  |
| Power rating          | 530 mW    | Coil resistance    | 22800 $\Omega \pm 10\%$ |
| Status indicator      | Green LED | Protective circuit | Free-wheeling diode     |

**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                         | $\leq 15$ ms                             |
| Switch-off delay                        | $\leq 10$ 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                | 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 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 $\mu$ s)          | Protection degree                                | IP20                        |

**Further details of approvals / standards**

|                         |         |
|-------------------------|---------|
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**Technical data****Connection data**

|                        |                                             |
|------------------------|---------------------------------------------|
| Wire connection method | Flat blade connections<br>(2.5 mm x 0.5 mm) |
|------------------------|---------------------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

**Approvals**

Approvals



|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> |
| 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>                                         |
| User Documentation                          | <a href="#">FL_D-SERIES_DRI2CO_LOAD_GUIDE</a>                           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |

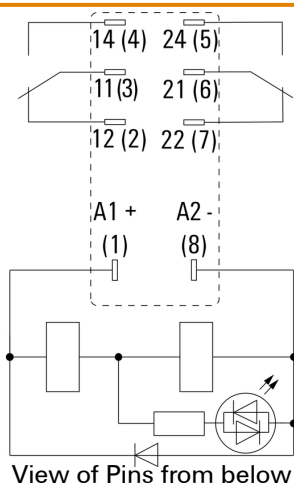
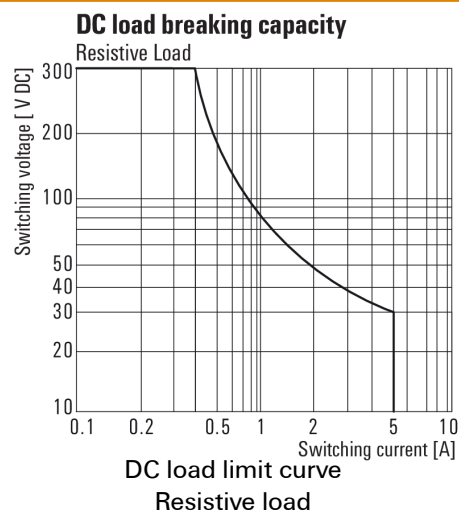
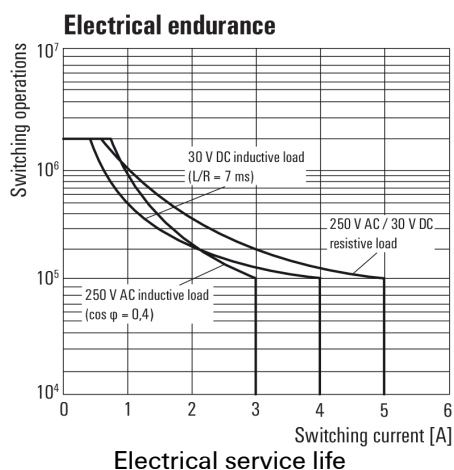
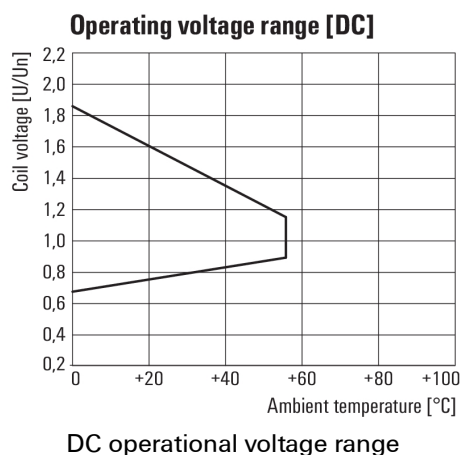
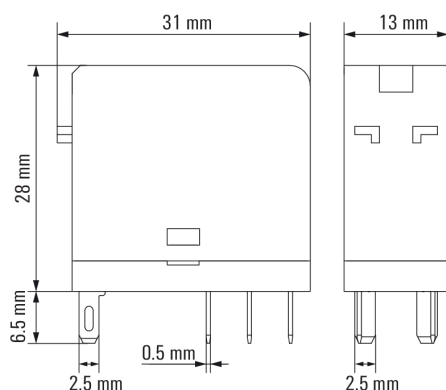
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**Drawings****Wiring diagram****Graph****Graph****Graph****Dimensional drawing**

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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 LM                | Version                      |
| Order No.  | <a href="#">7760056368</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169773341              |                              |
| 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).                  |                              |

**Protection modules**

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

- With free-wheeling diode or RC filter


**General ordering data**

| Type       | RIM 1 6/230VDC             | Version                                                                |
|------------|----------------------------|------------------------------------------------------------------------|
| Order No.  | <a href="#">7760056169</a> | D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V, Plug- |
| GTIN (EAN) | 4032248967728              | in connection                                                          |
| Qty.       | 10 pc(s).                  |                                                                        |

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

**LED / free-wheel diode**

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

- With green LED and free-wheeling diode

**General ordering data**

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | RIM 2 110/230VDC           | Version                                                           |
| Order No.  | <a href="#">7760056017</a> | D-SERIES, LED module with freewheel diode, Rated control voltage: |
| GTIN (EAN) | 4032248896615              | 110...230 V DC, Plug-in connection                                |
| Qty.       | 10 pc(s).                  |                                                                   |

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## Accessories

## 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 |
| GTIN (EAN) | 4050118569025              | specification                                           |
| Qty.       | 40 pc(s).                  |                                                         |

## 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                    | 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 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 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).                  |                                                                |

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## Accessories

|            |                            |                                                                |
|------------|----------------------------|----------------------------------------------------------------|
| 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).                  |                                                                |

## LED



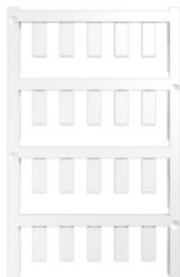
Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With green LED

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | RIM 3 110/230VUC           | Version                                                              |
| Order No.  | <a href="#">7940018455</a> | D-SERIES, LED module, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248878185              | connection                                                           |
| Qty.       | 10 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.

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## 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).                 |                                                   |

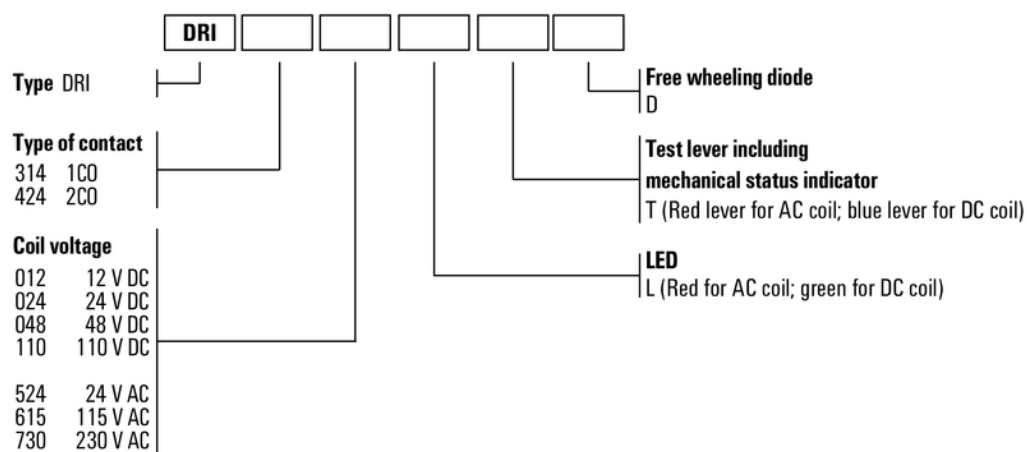
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## Drawings

## Miscellaneous



Type codes