

DRI424012**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays within the D-SERIES DRI

- 2 CO contact
- Optional AC or DC coils

General ordering data

| | |
|------------|--|
| Version | D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No |
| Order No. | 7760056321 |
| Type | DRI424012 |
| GTIN (EAN) | 6944169740268 |
| Qty. | 20 pc(s). |

Creation date June 5, 2024 12:59:58 AM CEST

Catalogue status 01.06.2024 / 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 | 10.55 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 | 12 V DC | Rated current DC | 44,4 mA |
| Power rating | 530 mW | Coil resistance | 270 Ω ± 10 % |
| Coil tolerance | 10 % | Status indicator | No |

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 ⁶ 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 | ≥ 4 mm | Dielectric strength for control side - load side | 5 kV _{eff} / 1 min |
| Dielectric strength of neighbouring contacts | 1.5 kV _{eff} / 1 min. | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Impulse withstand voltage | 5 kV (1.2/50 μs) | Protection degree | IP20 |

Further details of approvals / standards

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

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www.weidmueller.com**Technical data****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 | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | FL_D-SERIES_DRI2CO_LOAD_GUIDE |
| Catalogues | Catalogues in PDF-format |

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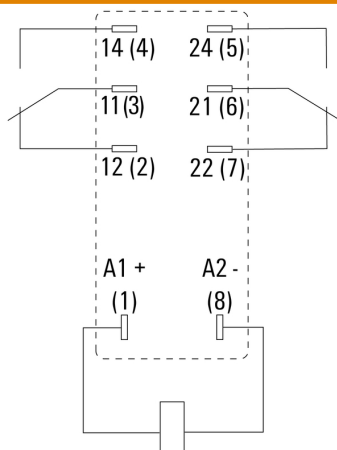
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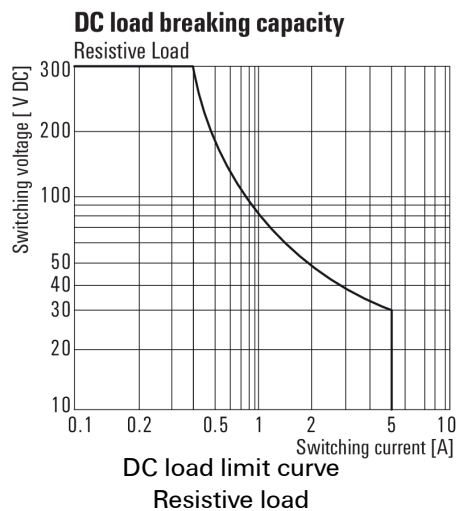
Drawings

Wiring diagram

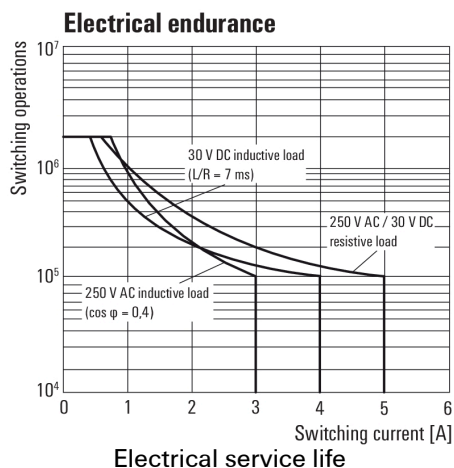


View of Pins from below

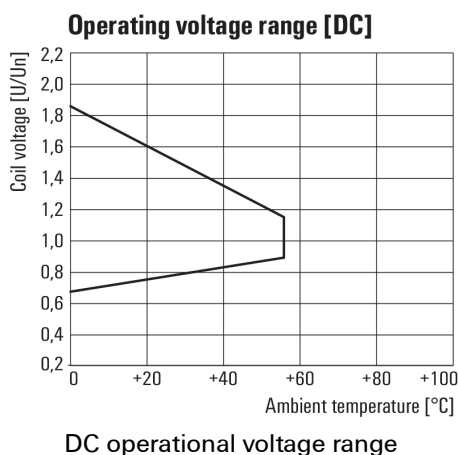
Graph



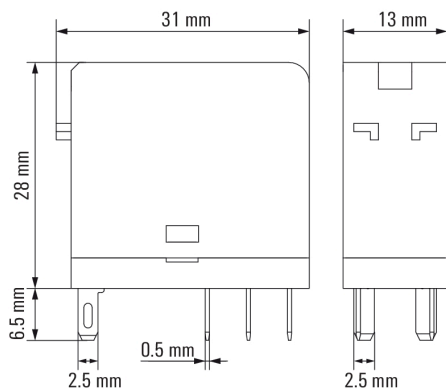
Graph



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 LM | Version |
| Order No. | 7760056368 | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169773341 | |
| Qty. | 10 pc(s). | |
| Type | SDI CLIP | Version |
| Order No. | 7760056352 | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169739996 | |
| Qty. | 10 pc(s). | |
| Type | SDI CLIP P | Version |
| Order No. | 7760056389 | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169787539 | |
| 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.

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. | 2558340000 | ESG, Device markers x 15 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569056 | |
| Qty. | 200 pc(s). | |

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Accessories

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. | 7940018457 | D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in |
| GTIN (EAN) | 4032248878192 | connection |
| Qty. | 10 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 6/24VDC | Version |
| Order No. | 7760056015 | D-SERIES, LED module with freewheel diode, Rated control voltage: |
| GTIN (EAN) | 4032248878116 | 6...24 V DC, Plug-in connection |
| Qty. | 10 pc(s). | |

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Accessories

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. | 7760056169 | D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V, Plug- |
| GTIN (EAN) | 4032248967728 | in connection |
| Qty. | 10 pc(s). | |

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. | 2619940000 | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148 | |
| Qty. | 3,000 pc(s). | |

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Accessories

Custom printing



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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. | 2558310000 | 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 ECO | Version |
| Order No. | 7760056347 | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169739941 | Continuous current: 8 A, Screw connection |
| Qty. | 10 pc(s). | |
| Type | SDI 2CO | Version |
| Order No. | 7760056351 | 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. | 7760056349 | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169739965 | Continuous current: 8 A, Screw connection |
| Qty. | 10 pc(s). | |

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| | | |
|------------|----------------------------|--|
| Type | SDI 2CO P | Version |
| Order No. | 7760056365 | D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 6944169772290 | Continuous current: 8 A, PUSH IN |
| Qty. | 20 pc(s). | |

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