

## DRI314110LTD

**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

- 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: 110 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm), Test button available: Yes |
| Order No.  | <a href="#">7760056317</a>  |
| Type       | DRI314110LTD  |
| GTIN (EAN) | 6944169740220   |
| Qty.       | 20 items  |

## DRI314110LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E312083

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 33.5 mm | Depth (inches)  | 1.3189 inch |
| Height     | 31 mm   | Height (inches) | 1.2205 inch |
| Width      | 13 mm   | Width (inches)  | 0.5118 inch |
| Net weight | 19.5 g  |                 |             |

## Temperatures

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

## Environmental Product Compliance

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

## 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 Ω ± 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                         | ≤ 15 ms                                  |
| Switch-off delay                        | ≤ 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             |  |

## DRI314110LTD

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

www.weidmueller.com

## Technical data

|                          |                   |
|--------------------------|-------------------|
| 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 kVeff / 1 min  |
| Dielectric strength of open contact                           | 1 kVeff / 1 min | Impulse withstand voltage                        | 5 kV (1.2/50 μs) |
| Protection degree   | IP20            |  |                  |

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

Wiring diagram



View of Pins from below

Graph



DC load limit curve Resistive load

Graph



Electrical service life

Graph



DC operational voltage range

Dimensional drawing



Miscellaneous



Type codes

## 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 1CO                    | Version  |
| Order No.  | <a href="#">7760056350</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739972              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO ECO                | Version  |
| Order No.  | <a href="#">7760056346</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739934              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO F ECO              | Version  |
| Order No.  | <a href="#">7760056348</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739958              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO P                  | Version  |
| Order No.  | <a href="#">7760056364</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169772283              | Continuous current: 12 A, PUSH IN                              |
| Qty.       | 20 ST                      |  |

### 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- |
| GTIN (EAN) | 4032248878185              | in connection  |
| Qty.       | 10 ST                      |  |

## DRI314110LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## 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 ST                      |   |  |

## 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 ST                      |  |  |

## 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 ST                      |                              |  |

## DRI314110LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

|            |                            |                              |
|------------|----------------------------|------------------------------|
| Type       | SDI CLIP P                 | Version                      |
| Order No.  | <a href="#">7760056389</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944 169787539             |                              |
| Qty.       | 10 ST                      |                              |
| Type       | SDI CLIP HM                | Version                      |
| Order No.  | <a href="#">7760056390</a> | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944 169787898             |                              |
| Qty.       | 10 ST                      |                              |

## 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:

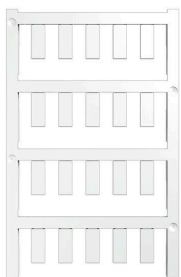
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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, pluggable |
| GTIN (EAN) | 4050118569056              |  |
| Qty.       | 200 ST                     |  |

## 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.

## DRI314110LTD

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

www.weidmueller.com

## Accessories

### 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, pluggable                                |  |
| Qty.       | 40 ST                      |   |  |

### 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.       | 3000 ST                    |                                       |  |

## Counterpart

### 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 1CO                    | Version  |
| Order No.  | <a href="#">7760056350</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739972              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO ECO                | Version  |
| Order No.  | <a href="#">7760056346</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739934              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO F ECO              | Version  |
| Order No.  | <a href="#">7760056348</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169739958              | Continuous current: 12 A, Screw connection                     |
| Qty.       | 10 ST                      |  |
| Type       | SDI 1CO P                  | Version  |
| Order No.  | <a href="#">7760056364</a> | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, |
| GTIN (EAN) | 6944169772283              | Continuous current: 12 A, PUSH IN                              |
| Qty.       | 20 ST                      |  |