

**SDI 1CO P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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**

|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| Version    | D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, Continuous current: 12 A, PUSH IN |
| Order No.  | <a href="#">7760056364</a>                                                                       |
| Type       | SDI 1CO P                                                                                        |
| GTIN (EAN) | 6944169772283                                                                                    |
| Qty.       | 20 pc(s).                                                                                        |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 42.7 mm    | Depth (inches)  | 1.681 inch |
| Height         | 102.1 mm   | Height (inches) | 4.02 inch  |
| Net weight     | 36.75 g    | Width           | 15.9 mm    |
| Width (inches) | 0.626 inch |                 |            |

## Temperatures

|                     |                           |                       |                |
|---------------------|---------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C            | Operating temperature | -40 °C...55 °C |
| Humidity            | 5...85 %, no condensation |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Rated data UL

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

## Load side

|                         |          |                            |       |
|-------------------------|----------|----------------------------|-------|
| Continuous current      | 12 A     | Max. switching voltage, AC | 250 V |
| Rated switching voltage | 250 V AC |                            |       |

## Contact data

|              |              |
|--------------|--------------|
| Contact type | 1 CO contact |
|--------------|--------------|

## General data

|                                    |                          |                |  |
|------------------------------------|--------------------------|----------------|--|
| Rail                               | TS 35                    |                |  |
| Colour                             | black                    |                |  |
| UL94 flammability rating component | Component                | Housing        |  |
|                                    | UL94 flammability rating | V-2            |  |
|                                    | Component                | Pusher         |  |
|                                    | UL94 flammability rating | HB             |  |
|                                    | Component                | Mounting foot  |  |
|                                    | UL94 flammability rating | HB             |  |
|                                    | Component                | Retaining clip |  |
|                                    | UL94 flammability rating | HB             |  |

## Insulation coordination

|                                                               |                    |                                                  |                             |
|---------------------------------------------------------------|--------------------|--------------------------------------------------|-----------------------------|
| Clearance and creepage distances for control side - load side | ≥ 3 mm             | Dielectric strength for control side - load side | 5 kV <sub>eff</sub> / 1 min |
| Impulse withstand voltage at neighbouring contacts            | 4.8 kV (1.2/50 µs) | Insulating material group                        | IIIb                        |
| Pollution severity                                            | 2                  | Protection degree                                | IP20                        |
| Rated voltage                                                 | 300 V              | Surge voltage category                           | III                         |

## Further details of approvals / standards

|                         |         |
|-------------------------|---------|
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## Connection data

|                                                                                         |                     |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------|
| Wire connection method                                                                  | PUSH IN             | Stripping length, rated connection                                                      | 10 mm                |
| Clamping range, rated connection                                                        | 1.5 mm <sup>2</sup> | Clamping range, min.                                                                    | 0.14 mm <sup>2</sup> |
| Clamping range, max.                                                                    | 1.5 mm <sup>2</sup> | Wire connection cross section AWG, min.                                                 | AWG 26               |
| Wire connection cross section AWG, max.                                                 | AWG 16              | Wire cross-section, solid, min.                                                         | 0.14 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                         | 1.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1 mm <sup>2</sup>   | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.14 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 1.5 mm <sup>2</sup> | Blade size                                                                              | 0.4 x 2.5 mm         |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001456    | ETIM 7.0    | EC001456    |
| ECLASS 9.0  | 27-37-16-03 | ECLASS 9.1  | 27-37-16-03 |
| ECLASS 10.0 | 27-37-16-03 | ECLASS 11.0 | 27-37-16-03 |

## Important note

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Product information | Only connection A2 with the cross-connection SCM/SDI P CC (art. no. 7760056366) can be bridged on this socket.       |
|                     | The protection module (RC filter) RIM 3 110/230VAC LED with order no. 7760056045 is not compatible with this socket. |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E312083 |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                    |
| Engineering Data                            | <a href="#">EPLAN</a>                                                   |
| Brochure/Catalogue                          | <a href="#">Catalogues in PDF-format</a>                                |

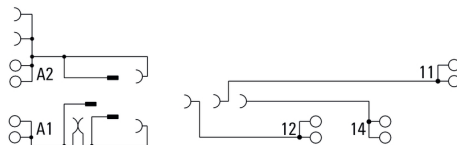
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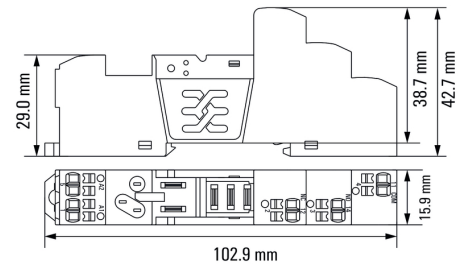
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## Drawings

### Wiring diagram



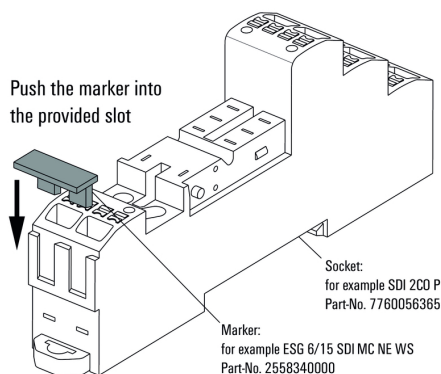
### Dimensional drawing



### Example of use

#### How to install marker

on PUSH IN connection sockets (one slot available)

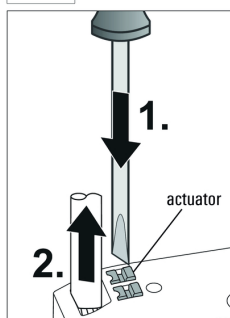
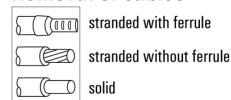


#### How to install marker

on PUSH IN connection sockets (one slot available)

### Miscellaneous

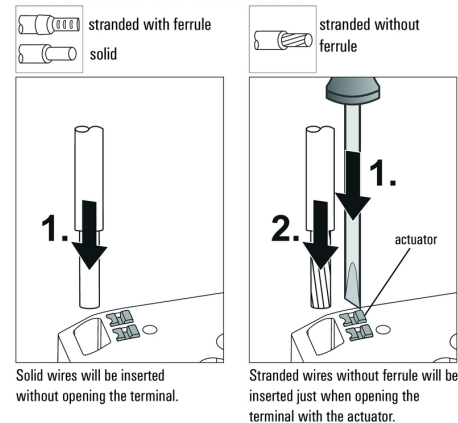
#### Removal of cables



Wires will be disconnected just when opening the terminal with the actuator.

### Miscellaneous

#### Insert flexible and solid cables



Solid wires will be inserted without opening the terminal.

Stranded wires without ferrule will be inserted just when opening the terminal with the actuator.

### Miscellaneous

#### Recommended screwdriver

to push the actuator in PUSH IN

