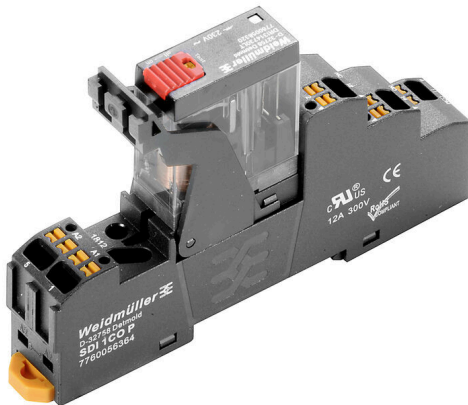


## DRIKITP 24VAC 1CO LD/PB

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

www.weidmueller.com

### Product image



Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 1 CO contact
- Optional: Test button with coloured identification of coils (AC red / DC blue)
- Bright status LED (AC coil: red / DC coil: green)

### General ordering data

|            |  |
|------------|--|
| Version    | D-SERIES DRI, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V AC, Continuous current: 10 A, PUSH IN, Test button available: Yes |
| Order No.  | <a href="#">2576250000</a>   |
| Type       | DRIKITP 24VAC 1CO LD/PB  |
| GTIN (EAN) | 4050118586015  |
| Qty.       | 10 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 63 mm    | Depth (inches)  | 2.4803 inch |
| Height     | 102.1 mm | Height (inches) | 4.0197 inch |
| Width      | 15.9 mm  | Width (inches)  | 0.626 inch  |
| Net weight | 56.29 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%       |

## Control side

|                       |         |                  |              |
|-----------------------|---------|------------------|--------------|
| Rated control voltage | 24 V AC | Rated current AC | 50 mA        |
| Power rating          | 1.2 VA  | Coil resistance  | 240 Ω ± 10 % |
| Status indicator      | red LED |                  |              |

## 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

|                                      |   |               |
|--------------------------------------|---|---------------|
| Mounting rail                        | TS 35                                       |               |
| Test button available                | Yes   |               |
| Version of test button               | Lockable test button, Momentary test button |               |
| Mechanical switch position indicator | No  |               |
| 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            |

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## Technical data

|                          |                   |
|--------------------------|-------------------|
| 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                          | IIIb               |
| Clearance and creepage distances for control side - load side | ≥ 3 mm          | Dielectric strength for control side - load side   | 5 kVeff / 1min     |
| Dielectric strength of open contact                           | 1 kVeff / 1 min | Impulse withstand voltage                          | 5 kV (1.2/50 µs)   |
| Protection degree   | IP20            | Impulse withstand voltage at neighbouring contacts | 4.8 kV (1.2/50 µs) |

### Further details of approvals / standards

|                               |                             |                              |                           |
|-------------------------------|-----------------------------|------------------------------|---------------------------|
| Relevant relay                | <a href="#">DRI314524LT</a> | Relevant base                | <a href="#">SDI 1CO P</a> |
| Certificate no. (cURus) relay | E312083                     | Certificate no. (cURus) base | E312083                   |

### 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 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 |             |             |

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**Drawings**

**Wiring diagram**



**Graph**



DC load limit curve Resistive load

**Graph**



Electrical service life

**Graph**



AC operational voltage range

**Dimensional drawing**



Relay in combination with base

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Drawings

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Miscellaneous



Type codes

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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.  | <a href="#">7940018457</a> | D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection  |  |
| GTIN (EAN) | 4032248878192              |   |  |
| Qty.       | 10 ST                      |   |  |
| 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 connection |  |
| GTIN (EAN) | 4032248878130              |   |  |
| Qty.       | 10 ST                      |   |  |

### Cross-connection for socket with PUSH IN connection

Cross-connection for the sockets in the D-SERIES DRM.



### General ordering data

|            |                            |                           |  |
|------------|----------------------------|---------------------------|--|
| Type       | SCM/SDI P CC               | Version                   |  |
| Order No.  | <a href="#">7760056366</a> | D-SERIES, Cross-connector |  |
| GTIN (EAN) | 6944169773327              |                           |  |
| Qty.       | 10 ST                      |                           |  |

### Retaining clips

Retaining clip for D-SERIES DRI relays

- Metal and plastic retaining clip



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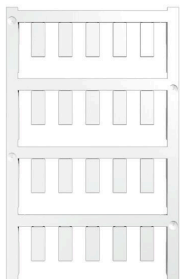
www.weidmueller.com

## Accessories

### General ordering data

|            |                            |                              |  |
|------------|----------------------------|------------------------------|--|
| 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:

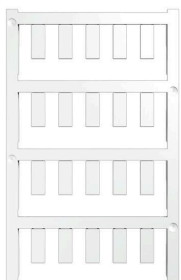
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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) | 4050 118569056             |  |  |
| 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.

### 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, pluggable |  |
| GTIN (EAN) | 4050 118569025             |  |  |
| Qty.       | 40 ST                      |  |  |

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## Accessories

### Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | SDIS 0.4X2.5X75            | Version  |  |
| Order No.  | <a href="#">2749790000</a> | Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm |  |
| GTIN (EAN) | 4050118896534              |  |  |
| Qty.       | 1 ST                       |  |  |
| Type       | SDS 0.4X2.5X75             | Version  |  |
| Order No.  | <a href="#">2749320000</a> | Screwdriver, Blade width (B): 2.5 mm, Blade length: 75 mm, Blade thickness (A): 0.4 mm |  |
| GTIN (EAN) | 4050118895544              |  |  |
| Qty.       | 1 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                    |                                       |  |