

**DRIKIT 110VDC 2CO LD/PB****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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
- 2 CO contacts
- Optional with mechanical status indicator
- 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: 2, CO contact AgSnO, Rated control voltage: 110 V DC, Continuous current: 5 A, Screw connection, Test button available: Yes |
| Order No.      | <a href="#">2476910000</a>  |
| Type           | DRIKIT 110VDC 2CO LD/PB   |
| GTIN (EAN)     | 4050118497137   |
| Qty.           | 10 pc(s).   |
| Relevant base  | <a href="#">7760056351</a>  |
| Relevant relay | <a href="#">7760056342</a>  |

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Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 68 mm   | Depth (inches)  | 2.677 inch |
| Height     | 80.2 mm | Height (inches) | 3.157 inch |
| Width      | 15.8 mm | Width (inches)  | 0.622 inch |
| Net weight | 64 g    |                 |            |

**Temperatures**

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

**Control side**

|                       |                     |                  |                |
|-----------------------|---------------------|------------------|----------------|
| Rated control voltage | 110 V DC            | Rated current DC | 4,8 mA         |
| Power rating          | 530 mW              | Coil resistance  | 22800 Ω ± 10 % |
| Coil tolerance        | 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                         | ≤ 15 ms                                  |
| Switch-off delay                        | ≤ 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**

|                                      |   |                   |
|--------------------------------------|---|-------------------|
| 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                                   | Mounting foot     |
|                                      | UL94 flammability rating                    | HB                |
|                                      | Component                                   | Retaining clip    |
|                                      | UL94 flammability rating                    | HB                |
|                                      | Component                                   | Relay cover       |
|                                      | UL94 flammability rating                    | V-2               |
|                                      | Component                                   | Relay baseplate   |
|                                      | UL94 flammability rating                    | V-0               |
|                                      | Component                                   | Relay test button |
|                                      | UL94 flammability rating                    | HB                |

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**Technical data****Insulation coordination**

|   |                                |  |                             |
|---|--------------------------------|--|-----------------------------|
| Rated voltage   | 250 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 | 4 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                                     | 4.8 kV (1.2/50 µs)             | Protection degree                                | IP20                        |

**Further details of approvals / standards**

|                               |         |                              |         |
|-------------------------------|---------|------------------------------|---------|
| Certificate no. (cURus) relay | E312083 | Certificate no. (cURus) base | E355547 |
|-------------------------------|---------|------------------------------|---------|

**Connection data**

|   |                     |   |                      |
|---|---------------------|---|----------------------|
| Wire connection method  | Screw connection    | Stripping length, rated connection  | 8 mm                 |
| Tightening torque, min.   | 0.5 Nm              | Tightening torque, max.   | 0.8 Nm               |
| Clamping range, rated connection  | 1.5 mm <sup>2</sup> | Clamping range, min.  | 0.25 mm <sup>2</sup> |
| Clamping range, max.  | 4 mm <sup>2</sup>   | Wire cross-section, solid, min.   | 0.25 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min.                                    | 0.25 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.25 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup>   | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.25 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 4 mm <sup>2</sup>   | Blade size  | size PH1             |

**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 |

**Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 611f3393-31e7-4ef5-8360-95619a629f27 |
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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## Technical data

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>                   |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">Zuken E3.S</a>  |
| Product Change Notification                 | <a href="#">20210401 Product Change Notification D-SERIES DRI KITS - status indicator</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

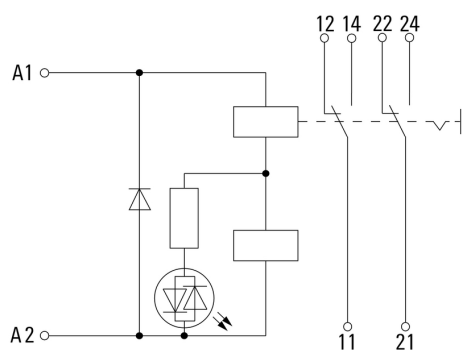
## DRIKIT 110VDC 2CO LD/PB

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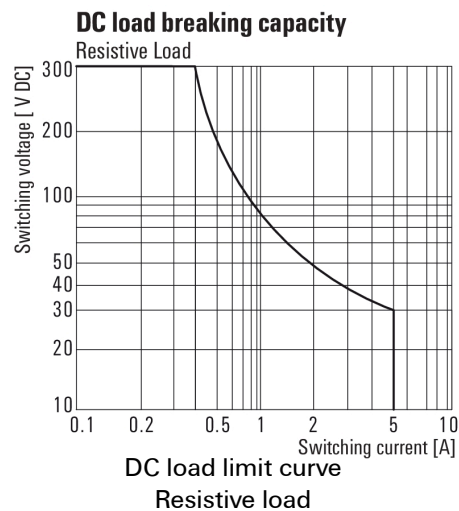
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## Drawings

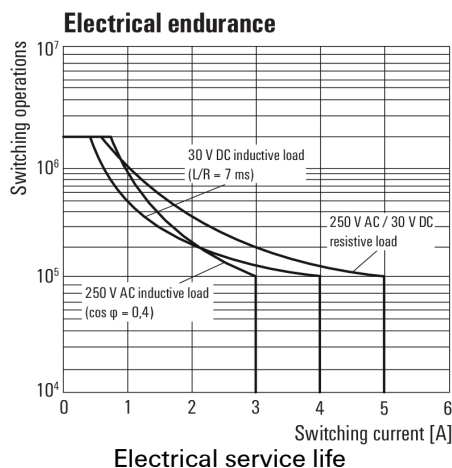
### Wiring diagram



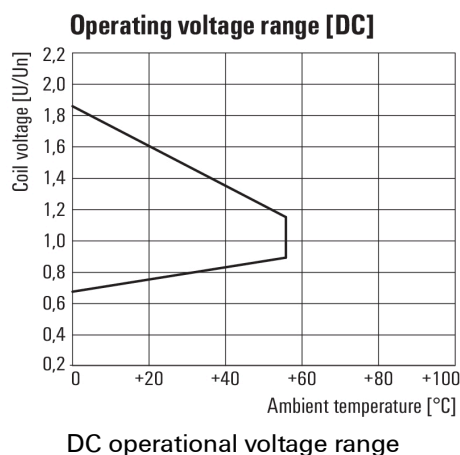
### Graph



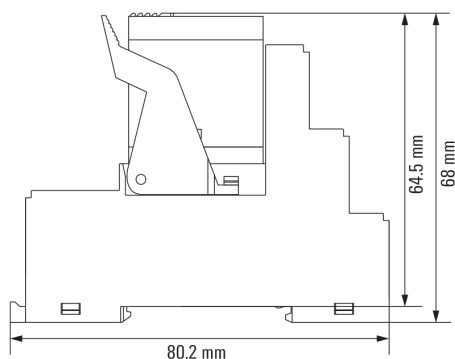
### Graph



### Graph



### Dimensional drawing



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Retaining clips**

Retaining clip for D-SERIES DRI relays

- Metal and plastic retaining clip

**General ordering data**

| Type       | SDI CLIP HM                | Version |                              |
|------------|----------------------------|---------|------------------------------|
| Order No.  | <a href="#">7760056390</a> |         | D-SERIES DRI, Retaining clip |
| GTIN (EAN) | 6944169787898              |         |                              |
| 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).                  |         |                              |

**Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

| Type       | SDIK PH1 X 80              | Version |   |
|------------|----------------------------|---------|---|
| Order No.  | <a href="#">2749890000</a> |         | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098              |         |   |
| Qty.       | 1 pc(s).                   |         |   |

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## 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 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.  | <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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## 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).               |                                       |

**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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## Accessories

## Crosshead screwdriver, Phillips



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

| Type       | SDIK SLIM PH1 X 80         | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">2749650000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896398              |   |
| Qty.       | 1 pc(s).                   |   |

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Crosshead screwdriver Phillips**

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDK PH1 X 80               | Version   |
| Order No.  | <a href="#">2749410000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): |
| GTIN (EAN) | 4050118895636              |   |
| Qty.       | 1 pc(s).                   |   |

**Cross-connection for socket with screw connection**

Cross-connection for the sockets in the RIDERSERIES RCI.

**General ordering data**

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Type       | SRC-I QV S                 | Version                          |
| Order No.  | <a href="#">1132070000</a> | RIDERSERIES RCI, Cross-connector |
| GTIN (EAN) | 4032248912087              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

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

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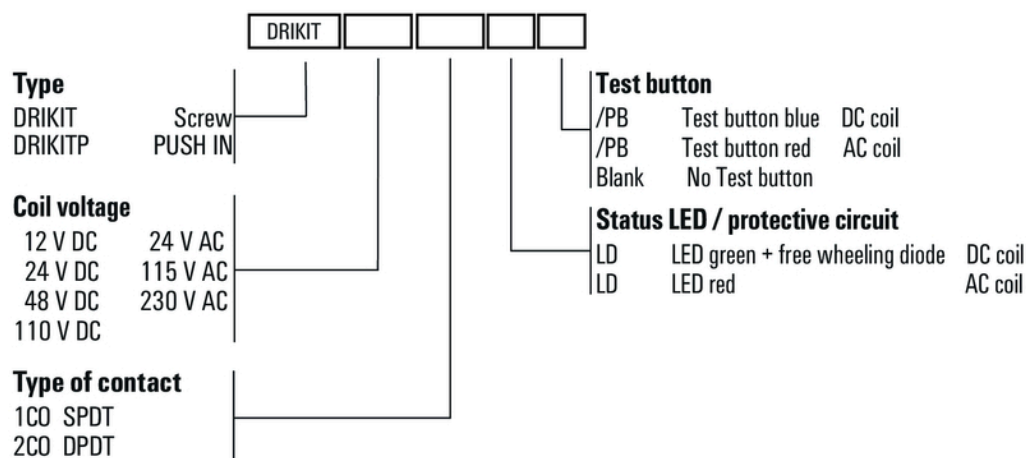
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## Drawings

## Miscellaneous



Type codes