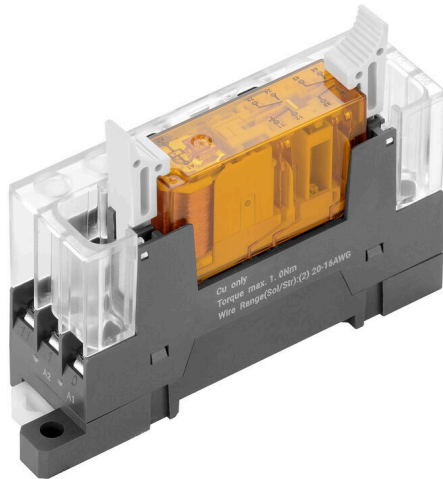


## FSKIT 24VDC 3NO1NC FG LD AGSNO AU

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

www.weidmueller.com



The SAFESERIES Contact Extension uses relays with forcibly guided contacts in accordance with EN 61810-3 Type A. This makes it predestined for signal monitoring in applications for the protection of people and machinery. It ensures safe feedback to the control level. Consisting of 5 different pluggable relays with matching screw sockets in the contact version 2 NO + 2 NC, 3 NO + 1 NC, 4 NO + 2 NC, 3 NO + 3 NC and 5 NO + 1 NC. When the application is designed according to EN/ISO 13849-1, a performance level of PL "e" can be achieved. The basic component is also suitable for safety applications according to IEC/EN 62061 in order to achieve a safety integrity level of SIL3.

- Relay with forcibly guided contacts to EN 61810-3 type A
- cULus listed approval for high acceptance on the North American market
- CQC approval for conformity with Chinese quality standards
- Assembled and 100 % functionally tested KIT consisting of relay and socket with integrated status LED
- Diagnosis coverage of 99 %

### General ordering data

|            |  |
|------------|--|
| Version    | SAFESERIES, Relay module with positively driven contacts 1 NC and 3 NO contacts forcibly guided (EN 61810-3 type A) AgSnO gold-plated, Rated control voltage: 24 V DC $\pm$ 10 %, Continuous current: 6 A, Screw connection, Test button available: No |
| Order No.  | <a href="#">2759070000</a>   |
| Type       | FSKIT 24VDC 3NO1NC FG LD AGSNO AU  |
| GTIN (EAN) | 4064675009313  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E223474

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 59.8 mm | Depth (inches)  | 2.3543 inch |
| Height     | 89.4 mm | Height (inches) | 3.5197 inch |
| Width      | 22.4 mm | Width (inches)  | 0.8819 inch |
| Net weight | 48.12 g |                 |             |

## Temperatures

|                       |                |                     |   |
|-----------------------|----------------|---------------------|---|
| Storage temperature   | -40 °C...70 °C | Ambient temperature | -25 °C...55 °C                          |
| Operating temperature |                | Humidity            | 5...85 % rel. humidity, no condensation |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 19f8b897-8687-40cb-b680-a1c1db5fdebc |

## Rated data UL

|   |        |                                    |  |
|---|--------|------------------------------------|--|
| Ambient temperature (operational), max. | 70 °C  | Connection cross-section AWG, min. | AWG 20   |
| Connection cross-section AWG, max.      | AWG 16 | Type of conductor                  | rigid copper conductor,<br>flexible copper conductor |
| Tightening torque, max.                 | 1 Nm   |                                    |  |

## Control side

|                       |                     |                  |           |
|-----------------------|---------------------|------------------|-----------|
| Rated control voltage | 24 V DC $\pm$ 10 %  | Rated current DC | 20 mA     |
| Power rating          | 480 mW              | Status indicator | Green LED |
| Protective circuit    | Free-wheeling diode |                  |           |

## Load side

|   |   |   |                                       |
|---|---|---|---------------------------------------|
| Rated switching voltage                 | 250 V AC  | Continuous current                      | 6 A                                   |
| Max. switching frequency at rated load  | 0.1 Hz  | Max. switching voltage, AC              | 400 V                                 |
| Max. switching voltage, DC              | 250 V   | Inrush current                          | 30 A / 20 ms                          |
| AC switching capacity (resistive), max. | 1500 VA   | DC switching capacity (resistive), max. | 144 W @ 24 V                          |
| Switch-on delay                         | $\leq$ 20 ms  | Switch-off delay                        | $\leq$ 20 ms                          |
| Contact type                            | 1 NC and 3 NO contacts<br>forcibly guided (EN<br>61810-3 type A) (AgSnO<br>gold-plated) | Mechanical service life                 | 10 x 10 <sup>6</sup> switching cycles |
| Min. switching power                    | 2 mA @ 24 V, 10 mA @ 12<br>V, 100 mA @ 5 V  |   |                                       |

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## Technical data

### General data

|                                      |                           |                 |
|--------------------------------------|---------------------------|-----------------|
| Operating altitude                   | ≤ 2000 m, above sea level |                 |
| Mounting rail                        | TS 35                     |                 |
| Test button available                | No                        |                 |
| Mechanical switch position indicator | No                        |                 |
| Colour                               | Anthracite                |                 |
| UL 94 flammability rating            | V-2                       |                 |
| UL94 flammability rating component   | Component                 | Socket          |
|                                      | UL94 flammability rating  | V-2             |
|                                      | Component                 | Relay cover     |
|                                      | UL94 flammability rating  | V-2             |
|                                      | Component                 | Relay baseplate |
| UL94 flammability rating             | V-0                       |                 |

### Insulation coordination

|   |                  |  |                    |
|---|------------------|--|--------------------|
| Insulation coordination according to                          | IEC 61984        | Rated voltage                                      | 250 V              |
| Pollution severity  | 2                | Surge voltage category                             | III                |
| Clearance and creepage distances for control side - load side | ≥ 3 mm           | Dielectric strength for control side - load side   | 2.5 kVeff / 1 min  |
| Type of isolation at input and output                         | Basic insulation | Dielectric strength of neighbouring contacts       | 2.5 kVeff / 1 Min. |
| Type of isolation at neighbouring contacts                    | Basic insulation | Dielectric strength of open contact                | 1.5 kVeff / 1 min. |
| Dielectric strength to mounting rail                          | 4 kVeff / 1 Min. | Impulse withstand voltage at input and output      | 2.5 kV             |
| Protection degree   | IP10             | Impulse withstand voltage at neighbouring contacts | 2.5 kV             |

### Further details of approvals / standards

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E223474 |
|-------------------------|---------|

### Connection data

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Wire connection method  | Screw connection     | Stripping length, rated connection  | 7 mm                |
| Tightening torque, min.   | 0.4 Nm               | Tightening torque, max.   | 1 Nm                |
| Clamping range, rated connection  | 1.5 mm <sup>2</sup>  | Clamping range, min.  | 0.5 mm <sup>2</sup> |
| Clamping range, max.  | 1.5 mm <sup>2</sup>  | Wire connection cross section AWG, min.   | AWG 20              |
| Wire connection cross section AWG, max.   | AWG 14               | Wire cross-section, solid, min.   | 0.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 1.5 mm <sup>2</sup>  | Wire cross-section, solid, min. (AWG)   | AWG 20              |
| Wire cross-section, solid, max. (AWG)   | AWG 14               | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>  | Wire cross-section, finely stranded, min. (AWG)   | AWG 20              |
| Wire cross-section, finely stranded, max. (AWG)   | AWG 14               | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 0.75 mm <sup>2</sup> |   |                     |

### Classifications

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

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**Technical data**

ECLASS 15.0

27-37-16-01

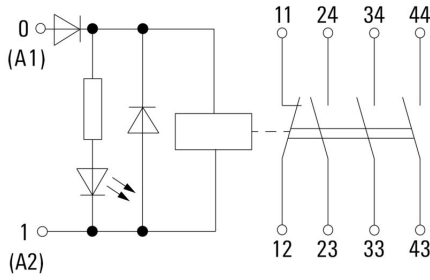
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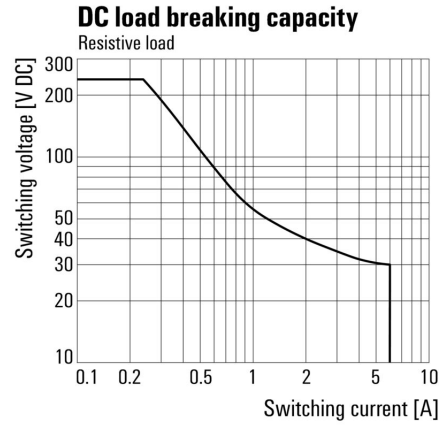
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**Drawings**

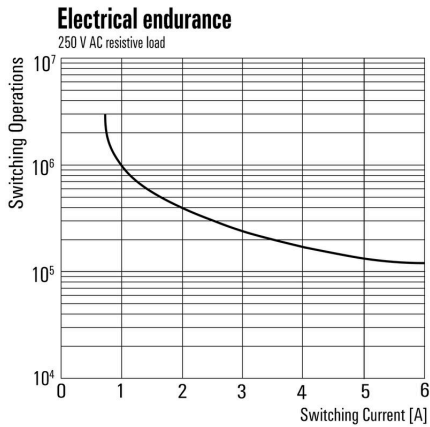
**Wiring diagram**



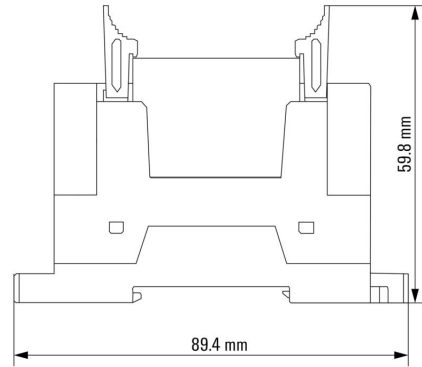
**Graph**



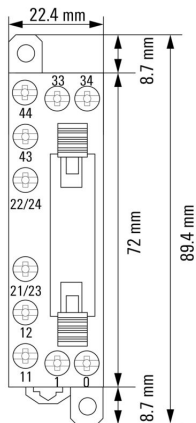
**Graph**



**Dimensional drawing**



**Dimensional drawing**



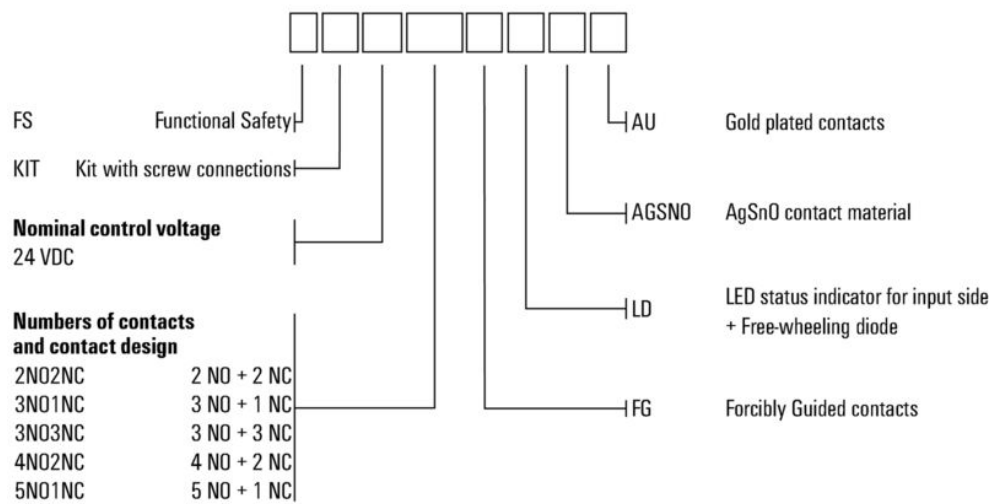
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Drawings

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Type codes



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## 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): 4.5 mm, 80 mm, Blade thickness (A): 1 |  |
| GTIN (EAN) | 4050118895636              |   |  |
| Qty.       | 1 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 K MC NE GE        | Version   |  |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |  |
| GTIN (EAN) | 4032248478910              |   |  |
| Qty.       | 200 ST                     |   |  |
| Type       | ESG 6/15 K MC NE WS        | Version   |  |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive  |  |
| GTIN (EAN) | 4032248478781              |   |  |
| Qty.       | 200 ST                     |   |  |
| Type       | ESG 6/17 K MC NE GE        | Version   |  |
| Order No.  | <a href="#">1880110000</a> | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |  |
| GTIN (EAN) | 4032248478798              |   |  |
| Qty.       | 200 ST                     |   |  |
| Type       | ESG 6/17 K MC NE WS        | Version   |  |
| Order No.  | <a href="#">1880120000</a> | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive  |  |
| GTIN (EAN) | 4032248478804              |   |  |
| Qty.       | 200 ST                     |   |  |

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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.       | 3000 ST                    |         |                                       |

**ESG 6/17**



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 6/17 MM WS             | Version |                                       |
| Order No.  | <a href="#">2005100000</a> |         | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728              |         |                                       |
| Qty.       | 3000 ST                    |         |                                       |