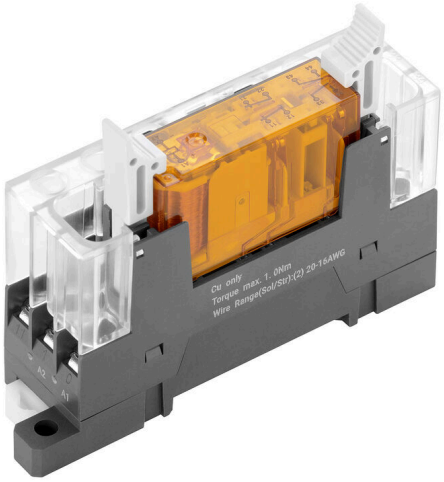
Data sheet

# FSKIT 24VDC 2NO2NC 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  forcibily giuded 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 2 NC and 2 NO contacts forcibily guided (EN 61810-3 type A) AgSnO gold-plated, Rated control voltage: 24 V DC ±10 %, Continuous current: 6 A, Screw connection, Test button available: No |
| Order No. | 2759080000 |
| Type | FSKIT 24VDC 2NO2NC FG LD AGSNO AU |
| GTIN (EAN) | 4064675009320 |
| Qty. | 1 items |



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# Data sheet

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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 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, 7cI |
| 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, flexible copper conductor |
| Tightening torque, max. | 1 Nm | | |

### Control side

| | | | |
|---|---|---|---|
| Rated control voltage | 24 V DC ±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 | ≤ 20 ms | Switch-off delay | ≤ 20 ms |
| Contact type | 2 NC and 2 NO contacts forcibly guided (EN 61810-3 type A) (AgSnO gold-plated) | Mechanical service life | 10 x 106 switching cycles |
| Min. switching power | 2 mA @ 24 V, 10 mA @ 12 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 mm² | Clamping range, min. | 0.5 mm² |
| Clamping range, max. | 1.5 mm² | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross section AWG, max. | AWG 14 | Wire cross-section, solid, min. | 0.5 mm² |
| Wire cross-section, solid, max. | 1.5 mm² | 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 mm² |
| Wire connection cross section, finely stranded, max. | 1.5 mm² | 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 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 0.75 mm² | | |

### Classifications

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



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# Data sheet

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## Technical data

| | |
|---|---|
| ECLASS 15.0 | 27-37-16-01 |



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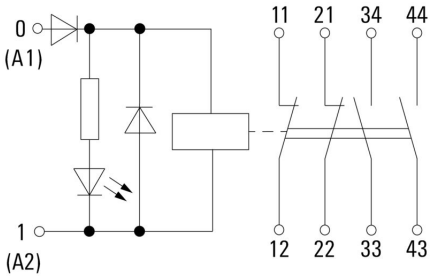
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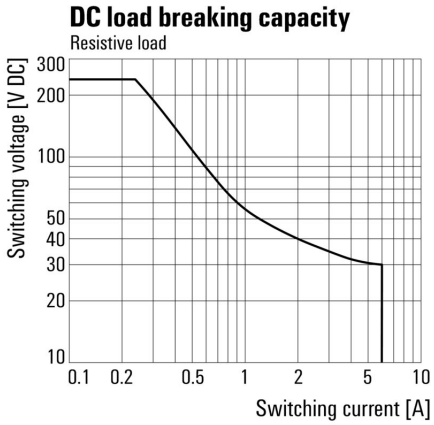
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## Drawings

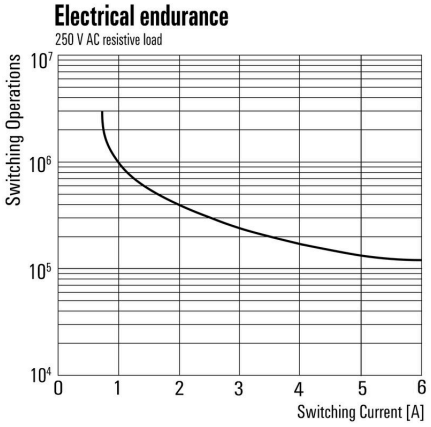
### Wiring diagram



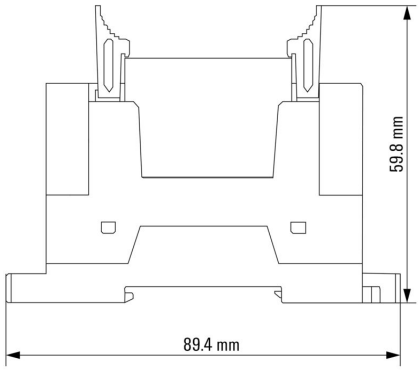

### Graph



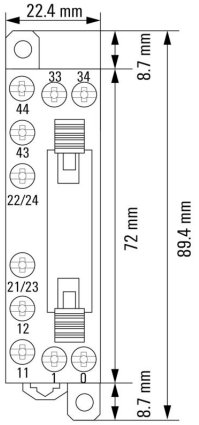

### Graph




### Dimensional drawing




### Dimensional drawing






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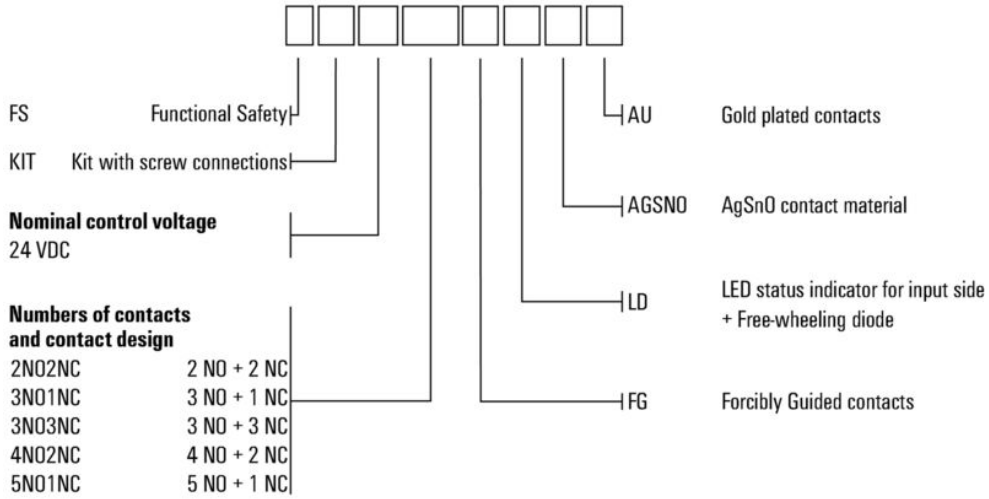
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## Drawings

### Type codes






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## Accessories

### Crosshead screwdriver Phillips

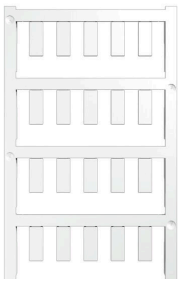


Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

#### General ordering data

| | | |
|---|---|---|
| Type | SDK PH1 X 80 | Version |
| Order No. | 2749410000 | 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. | 1880130000 | 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. | 1880100000 | 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. | 1880110000 | 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. | 1880120000 | 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. | 2619940000 | 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. | 2005100000 | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728 | |
| Qty. | 3000 ST | |



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