



## EF103.1

- **Screw connection**
- **Mounting flange position 1**
- **11-12; 23-24 (Contact labelling)**

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | EF103.1       |
|                               | 101006547     |
| EAN (European Article Number) | 4250116201273 |
| eCl@ss number, Version 9.0    | 27-37-13-02   |

### Approval - Standards

cULus  
CCC  
EAC

### General data

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Product name                         | Contact element EF<br>EN 60947-5-1<br>IEC/EN 60947-1              |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver                                                            |
| Contact labelling                    | 23-24                                                             |
| Gross weight                         | 20 g                                                              |

### General data - Features

|                    |   |
|--------------------|---|
| Number of openers  | 1 |
| Number of shutters | 1 |

### Mechanical data

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Installation instructions | pluggable                                             |
| Mechanical life, minimum  | 10,000,000 Operations                                 |
| positive break travel     | 2 mm                                                  |
| Contact opening           | 3 mm NO<br>1 mm NC                                    |
| Note Bounce duration      | Bounce duration at an Actuating speed of 100mm/s<br>1 |

### Mechanical data - Connection technique

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Terminal Connector     | Screw connection                                                              |
| Cable section, minimum | 0.5 mm <sup>2</sup> , rigid<br>0.5 mm <sup>2</sup> , flexible                 |
| Cable section, maximum | 2.5 mm <sup>2</sup> , rigid<br>1.5 mm <sup>2</sup> , flexible                 |
| Note (Cable section)   | All indications about the cable section are including the conductor ferrules. |

### Mechanical data - Dimensions

|        |       |
|--------|-------|
| Width  | 10 mm |
| Length | 46 mm |
| Depth  | 60 mm |

### Ambient conditions

|                              |                                             |
|------------------------------|---------------------------------------------|
|                              | IP40                                        |
|                              | IP20                                        |
| Ambient temperature, minimum | -25 °C                                      |
| Ambient temperature, maximum | +80 °C                                      |
|                              | 110 g / 4 ms                                |
| Resistant to vibration       | Resistance to vibration: 20 g / 10...200 Hz |

### Electrical data

|                            |                        |
|----------------------------|------------------------|
| Thermal test current       | 10 A                   |
| Utilisation category AC-15 | 230 VAC                |
| Utilisation category AC-15 | 8 A                    |
| Utilisation category DC-13 | 24 VDC                 |
| Utilisation category DC-13 | 5 A                    |
|                            | ≥ 5 V / ≥ 3.2 mA       |
| Switching element          | NC contact, NO contact |
| Switching principle        | Slow action            |
| Bounce duration, maximum   | 5 ms                   |

Switching frequency

1,200 /h

## Pictures

### Photo/Product/Catalogue



ID: kef10f02

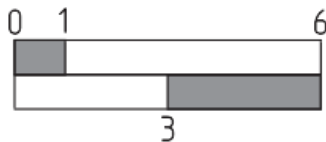
| 40,3 kB | .png | 73.731 x 88.547 mm - 209 x 251

Pixel - 72 dpi

| 500,0 kB | .jpg | 352.425 x 422.981 mm - 999 x 1199

Pixel - 72 dpi

### Diagramm/Product/Travel



ID: krf--s06

| 30,6 kB | .jpg | 352.778 x 147.814 mm - 1000 x 419

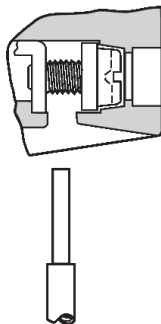
Pixel - 72 dpi

| 19,0 kB | .cdr |

| 1,2 kB | .png | 74.083 x 31.044 mm - 210 x 88 Pixel -

72 dpi

### Illustration/Product/Function



ID: krf--a05

| 189,7 kB | .jpg | 352.778 x 711.2 mm - 1000 x 2016

Pixel - 72 dpi

| 19,5 kB | .cdr |

| 3,7 kB | .png | 74.083 x 149.225 mm - 210 x 423

Pixel - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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