



**EF103.1G**

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

**Data**

**Ordering data**

|                               |             |
|-------------------------------|-------------|
| Product type description      | EF103.1G    |
| Article number (order number) | 101018110   |
| eCl@ss number, version 9.0    | 27-37-13-02 |
| eCl@ss number, version 11.0   | 27-37-13-02 |
| eCl@ss number, version 12.0   | 27-37-13-02 |
| ETIM number, version 7.0      | EC000041    |
| ETIM number, version 6.0      | EC000041    |

**General data**

|                                      |                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Standards                            | EN IEC 60947-1<br>EN IEC 62061<br>EN IEC 60947-5-1<br>EN IEC 60947-5-3<br>EN IEC 60947-5-5<br>EN IEC 60204-1 |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing                                            |
| Material of the contacts, electrical | Silver                                                                                                       |
| Contact labelling                    | 11-12<br>23-24                                                                                               |
| Gross weight                         | 20 g                                                                                                         |

## General data - Features

|                                |   |
|--------------------------------|---|
| Number of normally closed (NC) | 1 |
| Number of normally open (NO)   | 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 |
| Mounting flange position  | 1                                                |

## Mechanical data - Connection technique

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| Termination            | Screw terminals M20 x 1.5                                     |
| 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 including the conductor ferrules.             |

## Mechanical data - Dimensions

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

## Ambient conditions

|                                            |        |
|--------------------------------------------|--------|
| Degree of protection of the switch rooms   | IP40   |
| Degree of protection of clips or terminals | IP20   |
| Ambient temperature, minimum               | -25 °C |

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

### Ambient conditions - Insulation values

|                                |       |
|--------------------------------|-------|
| Rated insulation voltage $U_i$ | 400 V |
|--------------------------------|-------|

### 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                                      |
| Suitable for low-voltages  | $\geq 5 \text{ V} / \geq 3.2 \text{ mA}$ |
| Switching element          | NC contact, NO contact                   |
| Switching principle        | Slow action                              |
| Bounce duration, maximum   | 5 ms                                     |
| Switching frequency        | 1,200 /h                                 |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

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.

Generated on: 26/08/2022, 11:10