



## TFH 232-22UEDR

- 1 Cable entry M 20 x 1.5
- Protective shield with wide opening
- Low operating height of pedal
- High level of stability

## Data

### Ordering data

|                               |                |
|-------------------------------|----------------|
| Product type description      | TFH 232-22UEDR |
| Article number (order number) | 151192630      |
| EAN (European Article Number) | 4030661529189  |
| eCl@ss number, version 9.0    | 27-37-12-18    |
| eCl@ss number, version 11.0   | 27-37-12-18    |
| eCl@ss number, version 12.0   | 27-37-12-18    |
| ETIM number, version 7.0      | EC001258       |
| ETIM number, version 6.0      | EC001258       |

### Approvals - Standards

|              |                     |
|--------------|---------------------|
| Certificates | cULus<br>CCC<br>EAC |
|--------------|---------------------|

### General data

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Standards          | DIN VDE 0660-200<br>BG-GS-ET-15<br>EN IEC 60947-5-1 |
| Enclosure material | Aluminium                                           |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Enclosure coating material        | powder-coated                         |
| Material of the housing cover     | Aluminium                             |
| Material of the pedal             | Glass-fibre, reinforced thermoplastic |
| Material of the protective shield | Aluminium                             |
| Colour of the product             | White aluminum                        |
| Gross weight                      | 2,150 g                               |

### General data - Features

|                                |     |
|--------------------------------|-----|
| Probing possible               | Yes |
| Latching                       | Yes |
| Suitable for EMERGENCY-OFF     | Yes |
| Number of normally closed (NC) | 2   |
| Number of normally open (NO)   | 2   |

### Safety classification

|              |                |
|--------------|----------------|
| Standards    | EN ISO 13849-1 |
| Mission time | 20 Year(s)     |

### Safety classification - Safety outputs

|                                               |                    |
|-----------------------------------------------|--------------------|
| B <sub>10D</sub> Normally-closed contact (NC) | 100,000 Operations |
|-----------------------------------------------|--------------------|

### Mechanical data

|                          |                      |
|--------------------------|----------------------|
| Mechanical life, minimum | 1,000,000 Operations |
|--------------------------|----------------------|

### Mechanical data - Connection technique

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Termination            | Screw terminals M20 x 1.5                         |
| Cable section, maximum | 2.5 mm <sup>2</sup>                               |
| Note (Cable section)   | All indications including the conductor ferrules. |

## Mechanical data - Dimensions

|        |        |
|--------|--------|
| Width  | 170 mm |
| Height | 189 mm |
| Depth  | 274 mm |

## Ambient conditions

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Degree of protection                       | IP65                          |
| Ambient temperature, minimum               | -25 °C                        |
| Ambient temperature, maximum               | +60 °C                        |
| Storage and transport temperature, minimum | -25 °C                        |
| Storage and transport temperature, maximum | +85 °C                        |
| Relative humidity, minimum                 | 30 %                          |
| Relative humidity, maximum                 | 95 %                          |
| Note (Relative humidity)                   | non-condensing<br>non-icing   |
| Resistance to vibration to EN 60068-2-6    | 10 ... 150 Hz (0.35 mm / 5 g) |
| Resistance to shock                        | 30 g / 11 ms                  |

## Ambient conditions - Insulation values

|                                           |       |
|-------------------------------------------|-------|
| Rated insulation voltage $U_i$            | 500 V |
| Rated impulse withstand voltage $U_{imp}$ | 6 kV  |
| Overvoltage category                      | III   |
| Degree of pollution to VDE 0100           | 3     |

## Electrical data

|                                                      |         |
|------------------------------------------------------|---------|
| Thermal test current                                 | 10 A    |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A |
| Utilisation category AC-15                           | 230 VAC |
| Utilisation category AC-15                           | 4 A     |
| Utilisation category DC-13                           | 24 VDC  |

|                            |                        |
|----------------------------|------------------------|
| Utilisation category DC-13 | 1 A                    |
| Switching element          | NO contact, NC contact |
| Switching principle        | Slow action            |
| Switching frequency        | 3,600 /h               |

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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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