

TFH232-22UEDR

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

Data

Certifications	
Certificates	cULus CCC EAC
General data	
Product name	TFH 232
Standards	EN 60947-5-1 DIN VDE 0660-200 BG-GS-ET-15
Enclosure material	Aluminium
Enclosure coating material	powder-coated
Material of the cover	Aluminium
Material of the pedal	Glass-fibre, reinforced thermoplastic
Material of the protective shield	Aluminium
Colour of the product	RAL 9006
Gross weight	2180.000 g
General data - Features	
Probing possible	Yes
Latching	Yes
Suitable for EMERGENCY-OFF	Yes
Number of openers	2
Number of shutters	2

Safety appraisal	
Standards	ISO 13849-1
Mission Time	20 Year(s)
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	100,000 Operations
Mechanical data	
Mechanical life, minimum	1,000,000 Operations
Mechanical data - Connection technique	
Terminal Connector	Screw connection
Cable section, maximum	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Mechanical data - Dimensions	
Width	170 mm
Height	189 mm
Depth	274 mm
Ambient conditions	
Protection class	IP 65 to IEC/EN 60529
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 non-icing
Resistance to vibrations to EN 60068-2-6	10 ... 150 Hz (0.35 mm / 5 g)
Restistance to shock	30 g / 11 ms
Ambient conditions - Insulation value	
Rated impulse withstand voltage	6 kV
	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	Creep circuit element
Switching frequency	3,600 /h

Pictures

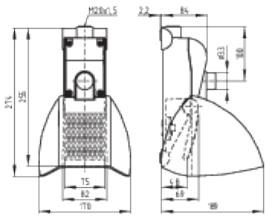
Product picture (catalogue individual photo)



ID: ktfh-f02

| 28,2 kB | .png | 74.083 x 58.208 mm - 210 x 165 Pixel - 72 dpi
| 342,8 kB | .jpg | 352.778 x 276.578 mm - 1000 x 784 Pixel - 72 dpi

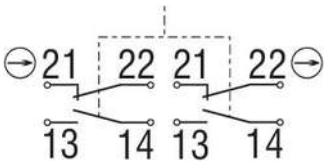
Dimensional drawing basic component



ID: 1tfh-g02

| 142,0 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 Pixel - 72 dpi
| 11,1 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel - 72 dpi
| 42,6 kB | .cdr |

Diagram



ID: ktf--k02

| 17,4 kB | .cdr |

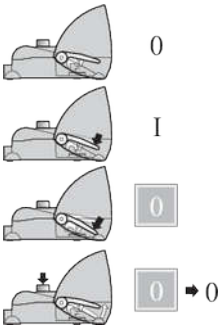
Product in the environment (application)



ID: ktfhvf01

| 279,2 kB | .png | 50.038 x 37.592 mm - 591 x 444 Pixel - 300 dpi
| 460,9 kB | .jpg | 352.778 x 264.936 mm - 1000 x 751 Pixel - 72 dpi
| 11,8 kB | .jpg | 149.931 x 112.536 mm - 425 x 319 Pixel - 72 dpi

Operating principle



ID: ktf--a01

| 21,6 kB | .png | 74.083 x 111.125 mm - 210 x 315 Pixel - 72 dpi
| 220,4 kB | .jpg | 352.778 x 529.872 mm - 1000 x 1502 Pixel - 72 dpi
| 36,3 kB | .cdr |

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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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