



## TZF30E/1SS24VDC

- Thermoplastic enclosure
- Holding force 1500 N

## Data

### Ordering data

Product type description	TZF30E/1SS24VDC
Article number (order number)	131164982
EAN (European Article Number)	8905236103186
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

### General data

Standards	BG-GS-ET-19 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low
Working principle	electromechanical
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	480 g

## General data - Features

Power to unlock	Yes
Manual release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
Number of safety contacts	3

## Safety classification

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

## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	2,000,000 Operations
B <sub>10D</sub> Normally open contact (NO)	1,000,000 Operations

## Mechanical data

Mechanical life, minimum	1,000,000 Operations
Holding force $F_{Zh}$ in accordance with EN ISO 14119	1,500 N
Latching force	20 N
Positive break travel	3.5 mm
Positive break force, minimum	20 N
Actuating speed, maximum	0.3 m/s

## Mechanical data - Connection technique

Termination	Screw terminals
Cable section, minimum	1 x 0.5 mm <sup>2</sup>
Cable section, maximum	1 x 1.5 mm <sup>2</sup>

Note (Cable section)

All indications including the conductor ferrules.

### Mechanical data - Dimensions

Length of sensor	41 mm
Width of sensor	129 mm
Height of sensor	92.5 mm

### Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature	+0 ... +50 °C

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	250 VAC
Rated impulse withstand voltage $U_{imp}$	2.5 kV

### Electrical data

Thermal test current	4 A
Rated control voltage	24 VDC
Required rated short-circuit current	1,000 A
Electrical power consumption, maximum	8.5 W
Switching principle	Slow action
Material of the contacts, electrical	Silver

### Electrical data - Safety contacts

Voltage, Utilisation category AC-15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC-13	24 VDC

Current, Utilisation category DC-13

4 A

### Electrical data - Auxiliary contacts

Voltage, Utilisation category AC-15

230 VAC

Current, Utilisation category AC-15

4 A

Voltage, Utilisation category DC-13

24 VDC

Current, Utilisation category DC-13

4 A

### Other data

Note (applications)

sliding safety guard  
removable guard  
hinged safety guard

### Scope of delivery

Scope of delivery

The actuator TZ/CO is included in delivery.

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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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