



## TZFSL24VDC

- Holding force 1500 N
- Thermoplastic enclosure

### Data

#### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | TZFSL24VDC    |
|                               | 131017674     |
| EAN (European Article Number) | 8905236105982 |
| eCI@ss number, Version 9.0    | 27-27-26-03   |

#### General data

|                                      |                                       |
|--------------------------------------|---------------------------------------|
|                                      | EN 60947-5-1                          |
|                                      | BG-GS-ET-19                           |
| Coding level according to ISO 14119  | Low                                   |
| Active principle                     | electromechanical                     |
| Enclosure material                   | Glass-fibre, reinforced thermoplastic |
| Material of the contacts, electrical | Silver                                |
| Gross weight                         | 480 g                                 |

#### General data - Features

|                                     |     |
|-------------------------------------|-----|
| Power to unlock                     | Yes |
| Manual release                      | Yes |
| Integral System Diagnostics, status | Yes |
| Number of actuating directions      | 4   |
| Number of auxiliary contacts        | 1   |
| Number of safety contacts           | 2   |

#### Safety appraisal

|              |             |
|--------------|-------------|
|              | ISO 13849-1 |
| Mission Time | 20 Year(s)  |

### Safety appraisal - Safety outputs

|                                   |                      |
|-----------------------------------|----------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
| B10d Normally open contact (NO)   | 1,000,000 Operations |

### Mechanical data

|                                                        |                      |
|--------------------------------------------------------|----------------------|
| Mechanical life, minimum                               | 1,000,000 Operations |
| Clamping force in accordance with ISO14119<br>$F_{zh}$ | 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

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw terminals<br>1 x 0.5 mm <sup>2</sup><br>1 x 1.5 mm <sup>2</sup>         |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

### Mechanical data - Dimensions

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

### Ambient conditions

|                              |                                                |
|------------------------------|------------------------------------------------|
| Protection class             | IP 65 to IEC/EN 60529<br>IP 67 to IEC/EN 60529 |
| Ambient temperature, minimum | +0 °C                                          |
| Ambient temperature, maximum | +50 °C                                         |

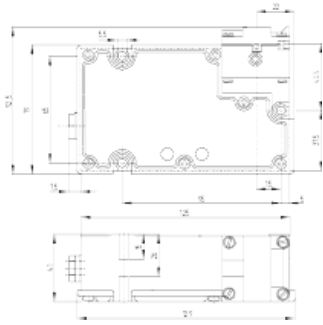
### Ambient conditions - Insulation value

|                                 |        |
|---------------------------------|--------|
| Rated impulse withstand voltage | 2.5 kV |
|---------------------------------|--------|

### Electrical data

|                                                      |         |
|------------------------------------------------------|---------|
| Thermal test current                                 | 4 A     |
| Rated control voltage                                | 24 VDC  |
| Required rated short-circuit current to EN 60947-5-1 | 1,000 A |
| Electrical power consumption, maximum                | 8.5 W   |

|                                                                                     |                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Switching principle                                                                 | Creep circuit element                                             |
| <b>Electrical data - Safety contacts</b>                                            |                                                                   |
| Voltage, Utilisation category AC15                                                  | 230 VAC                                                           |
| Current, Utilisation category AC-15                                                 | 4 A                                                               |
| Voltage, Utilisation category DC13                                                  | 24 VDC                                                            |
| Current, Utilisation category DC13                                                  | 4 A                                                               |
| <b>Electrical data - Auxiliary contacts</b>                                         |                                                                   |
| Voltage, Utilisation category AC15                                                  | 230 VAC                                                           |
| Current, Utilisation category AC-15                                                 | 4 A                                                               |
| Voltage, Utilisation category DC13                                                  | 24 VDC                                                            |
| Current, Utilisation category DC13                                                  | 4 A                                                               |
| <b>Other data</b>                                                                   |                                                                   |
| Note (applications)                                                                 | sliding safety guard<br>removable guard<br>hinged safety guard    |
| <b>Scope of delivery</b>                                                            |                                                                   |
| Included in delivery                                                                | The solenoid interlock AZM400 is not included in delivery.        |
| <b>Notes</b>                                                                        |                                                                   |
| Note (Manual release)                                                               | For manual release using triangular key M3 (included in delivery) |
| <b>Pictures</b>                                                                     |                                                                   |
| <b>Photo/Product/Catalogue</b>                                                      |                                                                   |
|  | ID: ktzf-f14                                                      |
|                                                                                     | 34,7 kB   .png   74.083 x 53.269 mm - 210 x 151 Pixel - 72 dpi    |
|                                                                                     | 350,6 kB   .jpg   352.778 x 254 mm - 1000 x 720 Pixel - 72 dpi    |
|                                                                                     |                                                                   |
| <b>Dimension/Product/Basic</b>                                                      |                                                                   |

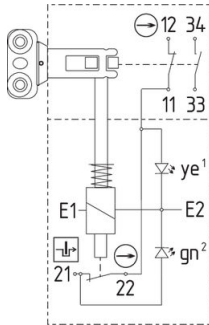


ID: ktzf-g01

| 5,3 kB | .png | 74.083 x 74.083 mm - 210 x 210 Pixel  
- 72 dpi

| 170,9 kB | .jpg | 352.778 x 352.072 mm - 1000 x 998  
Pixel - 72 dpi

## Graphic/Product/Contact



ID: ktzf-k09

| 188,8 kB | .jpg | 352.778 x 553.861 mm - 1000 x  
1570 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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