



TZFCWS24VDC

- Thermoplastic enclosure
- Holding force 1500 N

Data

Ordering data

| | |
|-------------------------------|---------------|
| Product type description | TZFCWS24VDC |
| Article number (order number) | 131029760 |
| EAN (European Article Number) | 8905236105852 |
| 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

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|-----------------|-----|
| Power to unlock | Yes |
|-----------------|-----|

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|--------------------------------|-----|
| Manual release | Yes |
| Number of actuating directions | 4 |
| Number of auxiliary contacts | 2 |
| Number of safety contacts | 2 |

Safety classification

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

Safety classification - Safety outputs

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|---|----------------------|
| B _{10D} Normally-closed contact (NC) | 2,000,000 Operations |
| B _{10D} 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

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|------------------------|---|
| Termination | Screw terminals |
| Cable section, minimum | 1 x 0.5 mm ² |
| Cable section, maximum | 1 x 1.5 mm ² |
| Note (Cable section) | All indications including the conductor ferrules. |

Mechanical data - Dimensions

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|------------------|-------|
| Length of sensor | 41 mm |
|------------------|-------|

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

Ambient conditions

| | |
|----------------------|--------------|
| Degree of protection | IP65 IP67 |
| Ambient temperature | +0_+50 |

Ambient conditions - Insulation values

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|---|---------|
| 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 |

Other data

| | |
|---------------------|--|
| Note (applications) | sliding safety guard removable guard hinged safety guard |
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Scope of delivery

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|-------------------|---|
| Scope of delivery | The actuator TZ/CO is included in delivery. |
|-------------------|---|

Note

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|-----------------------|---|
| Note (Manual release) | For manual release using triangular key M3 (included in delivery) |
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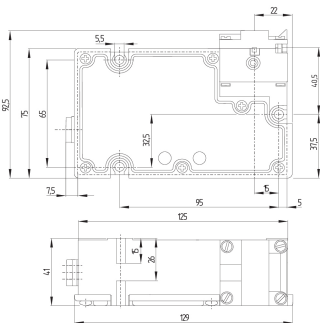
Pictures

Product picture (catalogue individual photo)



ID: ktzf-f14
| 350.6 kB | .jpg | 352.778 x 254 mm - 1000 x 720 px - 72 dpi
| 34.7 kB | .png | 74.083 x 53.269 mm - 210 x 151 px - 72 dpi

Dimensional drawing basic component



ID: ktzf-g01
| 160.4 kB | .jpg | 352.778 x 352.072 mm - 1000 x 998 px - 72 dpi
| 2.5 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 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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