



EX-T3Z 068-22YR-1637

- 2 switches in one enclosure
- Metal enclosure
- two-side operation / wire up to 2 x 50 m long
- Robust design
- Low actuating force
- Pull-ring reset
- wire pull and breakage detection
- Ex-Zone 21 and 22

Data

Ordering data

| | |
|-------------------------------|----------------------|
| Product type description | EX-T3Z 068-22YR-1637 |
| Article number (order number) | 101209850 |
| EAN (European Article Number) | 4030661386430 |
| eCl@ss number, version 12.0 | 27-37-12-01 |
| eCl@ss number, version 11.0 | 27-37-12-01 |
| eCl@ss number, version 9.0 | 27-37-12-01 |
| ETIM number, version 7.0 | EC002033 |
| ETIM number, version 6.0 | EC002033 |

Approvals - Standards

| | |
|--------------|----------------------|
| Certificates | TÜV CCC CCC EX |
|--------------|----------------------|

Explosion protection

| | |
|-----------------------------------|-------------------------------|
| Explosion protection: regulations | EN IEC 60079-0 EN 60079-31 |
| Explosion protection zones | 21 |
| Explosion protection category | 2D |
| Explosion protection designation | ⊕ II 2D Ex tb IIIC T90°C Db |

General data

| | |
|-------------------------------|--|
| Standards | ABNT NBR IEC 60947-5-1 ABNT NBR IEC 60947-5-5 EN ISO 13850 EN IEC 60947-5-1 EN IEC 60947-5-5 |
| Housing material | Grey cast iron, painted |
| Material of the housing cover | Grey cast iron, painted |
| Length of the wire, maximum | 50 m |
| Gross weight | 4,650 g |

General data - Features

| | |
|------------------------------|-----|
| Reset by pull ring | Yes |
| 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

| | |
|---|--------------------|
| B _{10D} Normally-closed contact (NC) | 100,000 Operations |
|---|--------------------|

Mechanical data

| | |
|-------------------|-------------------|
| Actuating element | Roller lever N300 |
|-------------------|-------------------|

| | |
|-------------------------------|---|
| Mechanical life, minimum | 50,000 Operations |
| Positive break angle | 32 ° |
| Actuating force, maximum | 50 N |
| Note (Actuating force) | 30 N in wire direction |
| Actuation direction | Each time 75° right-hand side and left-hand side rotation |
| Positive break force, minimum | 50 N |
| Positive break torque | 0.2 Nm |

Mechanical data - Connection technique

| | |
|------------------------|---|
| Termination | Screw terminals M20 x 1.5 |
| Cable section, minimum | 0.75 mm ² |
| Cable section, maximum | 1.5 mm ² |
| Note (Cable section) | All indications including the conductor ferrules. |

Ambient conditions

| | |
|----------------------|----------------|
| Degree of protection | IP65 IP66 |
| Ambient temperature | -20 ... +60 °C |

Ambient conditions - Insulation values

| | |
|---|---------|
| Rated insulation voltage U_i | 250 VAC |
| Rated impulse withstand voltage U_{imp} | 4 kV |

Electrical data

| | |
|----------------------------|------------------------|
| Thermal test current | 10 A |
| Utilisation category AC-15 | 230 VAC |
| Utilisation category AC-15 | 2.5 A |
| Utilisation category DC-13 | 24 VDC |
| Utilisation category DC-13 | 6 A |
| Switching element | NO contact, NC contact |

Switching principle Snap action

Material of the contacts, electrical Silver

Note

Note (General) At 3 m distance intermediate wire supports are required, see accessories

Ordering code

Product type description:
EX-T3Z 068 -(1)YR

(1)

| | |
|-----------|-----------------------------|
| 11 | 1 NO contacts/1 NC contact |
| 22 | 2 NO contacts/2 NC contact |
| 33 | 3 NO contacts/3 NC contacts |

(2)

| | |
|-------------|----------------------|
| 1637 | Gold-plated contacts |
|-------------|----------------------|

Pictures

Product picture (catalogue individual photo)



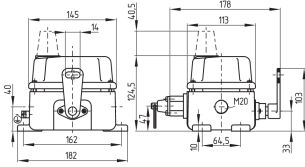
ID: kext3f01

| 805.5 kB | .jpg | 352.778 x 480.131 mm - 1000 x 1361 px - 72 dpi

| 57.4 kB | .png | 73.731 x 100.542 mm - 209 x 285 px - 72 dpi

| 58.7 kB | .jpg | 90.664 x 123.472 mm - 257 x 350 px - 72 dpi

Dimensional drawing basic component



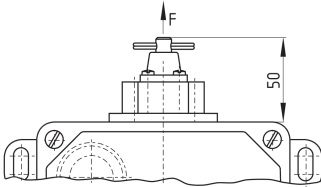
ID: 1t3z0g04

| 47.5 kB | .cdr |

| 10.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi

| 120.6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Dimensional drawing miscellaneous



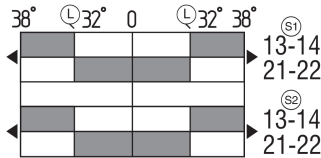
ID: kt3z0g02

| 31.2 kB | .cdr |

| 3.3 kB | .png | 74.083 x 43.744 mm - 210 x 124 px - 72 dpi

| 93.5 kB | .jpg | 352.778 x 208.844 mm - 1000 x 592 px - 72 dpi

Switch travel diagram



ID: kt3z0s03

| 2.6 kB | .png | 74.083 x 35.983 mm - 210 x 102 px - 72 dpi

| 89.4 kB | .jpg | 352.778 x 171.097 mm - 1000 x 485 px - 72 dpi

| 68.5 kB | .ai | 210 x 297 mm - 595 x 841 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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