DATASHEET



EX-T3Z 068-11YR-1637

Data

Ordering data

Product type description	EX-T3Z 068-11YR-1637
Article number (order number)	101209694
EAN (European Article Number)	4030661383804
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	EC002026
ETIM number, version 6.0	EC002026

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	4,550 g

General data - Features

Reset by pull ring	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

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 mm²
Cable section, maximum	1.5 mm²
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

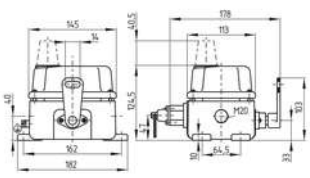
Pictures

Product picture (catalogue individual photo)



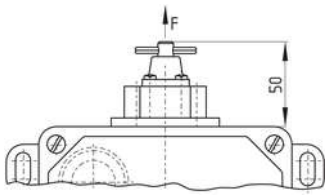
ID: kext3f01
| 805.5 kB | .jpg | 352.778 x 480.131 mm - 1000 x 1361 px - 72 dpi
| 57.4 kB | .png | 73.731 x 100.542 mm - 209 x 285 px - 72 dpi
| 58.7 kB | .jpg | 90.664 x 123.472 mm - 257 x 350 px - 72 dpi

Dimensional drawing basic component



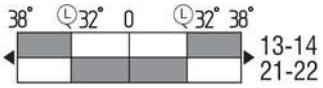
ID: 1t3z0g04
| 47.5 kB | .cdr |
| 10.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi
| 120.6 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

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: kt3z0s02
| 21.3 kB | .cdr |
| 1.8 kB | .png | 74.083 x 18.344 mm - 210 x 52 px - 72 dpi
| 53.5 kB | .jpg | 352.778 x 87.842 mm - 1000 x 249 px - 72 dpi

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern
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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