



TQ 900-22

- 3 cable entries M 20 x 1.5
- Metal enclosure
- one-side operation / wire up to 50 m long
- Position indicator
- Robust design
- Large wiring compartment
- Twisting of towing eye not possible
- External watertight collar

Data

Ordering data

Product type description	TQ 900-22
Article number (order number)	101184479
EAN (European Article Number)	4030661332840
eCl@ss number, version 12.0	27-27-06-07
eCl@ss number, version 11.0	27-27-06-07
eCl@ss number, version 9.0	27-27-06-07
ETIM number, version 7.0	EC002033
ETIM number, version 6.0	EC002033

Approvals - Standards

Certificates	TÜV CCC EAC
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General data

Standards	EN IEC 60947-5-1
Enclosure material	Metal, zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Material of the housing cover	Glass-fibre, thermoplastic
Length of the wire, minimum	5 m
Length of the wire, maximum	50 m
Gross weight	1,255 g

General data - Features

Indicator lamp	Yes
Number of normally closed (NC)	2
Number of normally open (NO)	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
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B_{10D} Normally open contact (NO) 100,000 Operations

Mechanical data

Mechanical life, minimum 1,000,000 Operations

Actuating force, maximum 200 N

Actuating travel 400 mm

Mechanical data - Connection technique

Termination Screw terminals M20 x 1.5

Cable section, minimum 0.75 mm²

Cable section, maximum 1 x 2.5 mm²

Note (Cable section) All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor 69.7 mm

Width of sensor 71.5 mm

Height of the Sensor, minimum 220.3 mm

Height of the Sensor, maximum 236.3 mm

Ambient conditions

Degree of protection IP65
IP67

Ambient temperature, minimum -25 °C

Ambient temperature, maximum +70 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i 500 V

Rated impulse withstand voltage U_{imp} 6 kV

Electrical data

Thermal test current 6 A

Utilisation category AC-15 230 VAC

Utilisation category AC-15 4 A

Utilisation category DC-13 24 VDC

Utilisation category DC-13 1 A

Switching element NO contact, NC contact

Switching principle Slow action

Note

Note (General) For lengths of over 10 m, intermediate wire supports must be installed every 3 to 5 m. Recommended cable lengths for pull-wire Emergency-Stop switches in relation to the range of ambient temperature. As the thimbles are subject to deformation in case of wire pull, the wire should be pulled several times after fitting. After that, the wire must be re-tensioned using the eyebolt or the tensioner. The screwed G24-M20 indicator lamp must be ordered separately, see accessories.

Ordering code

Product type description:
TQ 900-(1)(2)

(1)

11	1 NO contacts/1 NC contact
13	1 NO contacts/3 NC contact
22	2 NO contacts/2 NC contact

02

2 NC contact

04

4 NC contact

Pictures

Product picture (catalogue individual photo)

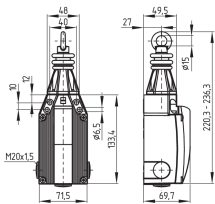


ID: ktq90f02

| 108.8 kB | .png | 74.083 x 185.208 mm - 210 x 525 px - 72 dpi

| 1,011.7 kB | .jpg | 249.767 x 625.122 mm - 708 x 1772 px - 72 dpi

Dimensional drawing basic component



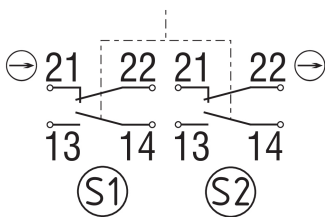
ID: 1tq-9g01

| 58.9 kB | .cdr |

| 11.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi

| 128.2 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Diagram



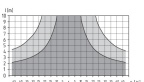
ID: ktf--k12

| 17.9 kB | .cdr |

| 101.3 kB | .jpg | 352.778 x 228.953 mm - 1000 x 649 px - 72 dpi

| 4.1 kB | .png | 74.083 x 47.978 mm - 210 x 136 px - 72 dpi

Characteristic curve



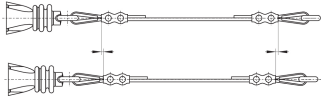
ID: kzq70d02

| 87.4 kB | .ai | 200 x 200 mm - 566 x 566 px - 72 dpi

| 3.0 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 50.7 kB | .jpg | 352.778 x 124.883 mm - 1000 x 354 px - 72 dpi

Operating principle



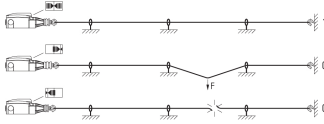
ID: kzq90a03

| 28.7 kB | .cdr |

| 74.1 kB | .jpg | 352.778 x 103.011 mm - 1000 x 292 px - 72 dpi

| 1.7 kB | .png | 74.083 x 21.519 mm - 210 x 61 px - 72 dpi

Operating principle



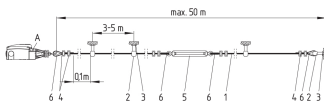
ID: kzq90a05

| 67.9 kB | .cdr |

| 66.9 kB | .jpg | 352.778 x 130.528 mm - 1000 x 370 px - 72 dpi

| 1.5 kB | .png | 74.083 x 27.517 mm - 210 x 78 px - 72 dpi

Operating principle



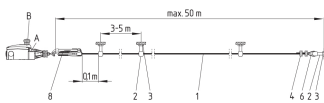
ID: kzq90a01

| 61.9 kB | .cdr |

| 59.7 kB | .jpg | 352.778 x 101.247 mm - 1000 x 287 px - 72 dpi

| 5.0 kB | .png | 74.083 x 21.167 mm - 210 x 60 px - 72 dpi

Operating principle



ID: kzq90a09

| 119.5 kB | .cdr |

| 51.8 kB | .jpg | 352.778 x 99.131 mm - 1000 x 281 px - 72 dpi

| 4.1 kB | .png | 74.083 x 20.814 mm - 210 x 59 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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