



TQ 900-13

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

Data

Ordering data

	TQ 900-13
	101184481
EAN (European Article Number)	4030661333700
eCl@ss number, Version 9.0	27-27-06-07

Approval - Standards

TÜV
CCC
EAC

General data

	TQ 900
	IEC/EN 60947-5-1
Enclosure material	Zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Material of the cover	Glass-fibre, thermoplastic
Length of the wire, minimum	5 m
Length of the wire, maximum	50 m
Gross weight	1,220 g

General data - Features

Indicator lamp	Yes
Number of openers	3
Number of shutters	1

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	100,000 Operations
B10d 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

Terminal Connector	Screw connection 0.75 mm ² 1 x 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of the Sensor, minimum	220.3 mm
Height of the Sensor, maximum	236.3 mm
Length of sensor	69.7 mm
Width of sensor	71.5 mm

Ambient conditions

Protection class	IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage 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 Creep circuit element

Notes

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

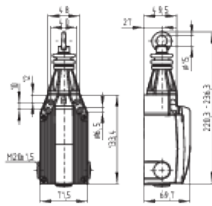
Photo/Product/Catalogue



ID: ktq90f02

| 108,8 kB | .png | 74.083 x 185.208 mm - 210 x 525
Pixel - 72 dpi
| 1.011,7 kB | .jpg | 249.767 x 625.122 mm - 708 x
1772 Pixel - 72 dpi

Dimension/Product/Basic



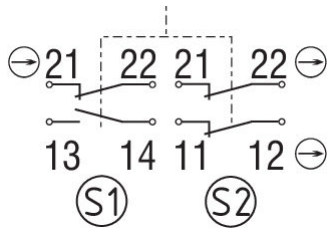
ID: 1tq-9g01

| 128,2 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701
Pixel - 72 dpi

| 58,9 kB | .cdr |

| 11,1 kB | .png | 74.083 x 51.858 mm - 210 x 147
Pixel - 72 dpi

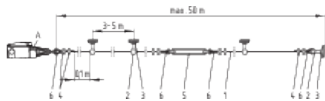
Graphic/Product/Contact



ID: ktf--k17

| 107,2 kB | .jpg | 352.778 x 246.239 mm - 1000 x 698
Pixel - 72 dpi
| 18,2 kB | .cdr |

Illustration/Product/Function

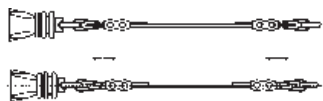


ID: kzq90a01

| 59,7 kB | .jpg | 352.778 x 101.247 mm - 1000 x 287
Pixel - 72 dpi
| 61,9 kB | .cdr |
| 5,0 kB | .png | 74.083 x 21.167 mm - 210 x 60 Pixel -
72 dpi

Illustration/Product/Function

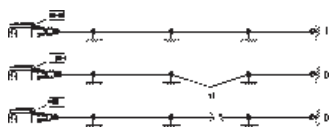
ID: kzq90a03



| 74,1 kB | .jpg | 352.778 x 103.011 mm - 1000 x 292 Pixel - 72 dpi
| 1,7 kB | .png | 74.083 x 21.519 mm - 210 x 61 Pixel - 72 dpi
| 28,7 kB | .cdr |

Illustration/Product/Function

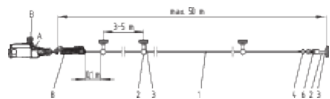
ID: kzq90a05



| 67,9 kB | .cdr |
| 1,5 kB | .png | 74.083 x 27.517 mm - 210 x 78 Pixel - 72 dpi
| 66,9 kB | .jpg | 352.778 x 130.528 mm - 1000 x 370 Pixel - 72 dpi

Illustration/Product/Function

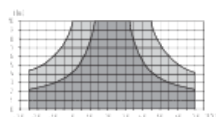
ID: kzq90a09



| 4,1 kB | .png | 74.083 x 20.814 mm - 210 x 59 Pixel - 72 dpi
| 51,8 kB | .jpg | 352.778 x 99.131 mm - 1000 x 281 Pixel - 72 dpi
| 119,5 kB | .cdr |

Diagramm/Product/Curve

ID: kzq70d02



| 90,7 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 Pixel - 72 dpi
| 3,0 kB | .png | 74.083 x 74.083 mm - 210 x 210 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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