



## ZQ900-22

- Robust design
- Metal enclosure
- Position indicator
- Release push button
- Large wiring compartment
- External watertight collar
- 3 cable entries M 20 x 1.5
- wire pull and breakage detection
- Twisting of towing eye not possible
- one-side operation / wire up to 75 m long

### Data

#### Ordering data

Product type description	ZQ 900-22
Article number (order number)	101184329
EAN (European Article Number)	4030661332758
eCl@ss number, Version 9.0	27-37-12-01

#### Approval - Standards

Certificates	TÜV EAC
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#### General data

Product name	ZQ 900
Standards	IEC/EN 60947-5-1 EN ISO 13850 IEC/EN 60947-5-5
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, maximum	75 m

Gross weight 1,260 g

### General data - Features

Indicator lamp No  
Number of auxiliary contacts 2  
Number of safety contacts 2

### Safety appraisal

Standards ISO 13849-1  
Mission Time 20 Year(s)

### Safety appraisal - Safety outputs

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

### Mechanical data

Mechanical life, minimum 1,000,000 Operations

### Mechanical data - Connection technique

Terminal Connector Screw connection  
Cable section, minimum 0.75 mm<sup>2</sup>  
Cable section, maximum 2.5 mm<sup>2</sup>  
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  
Relative humidity, minimum 30 %

Relative humidity,  
maximum 95 %

### 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 Snap switch 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:

ZQ 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

(2)

**without** without emergency-stop button

**N** with emergency-stop button

## Pictures

### Product picture (catalogue individual photo)

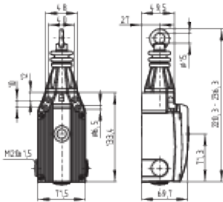


ID: kzq90f07

| 48,9 kB | .png | 73.731 x 110.772 mm - 209 x 314  
Pixel - 72 dpi

| 674,0 kB | .jpg | 352.778 x 528.814 mm - 1000 x  
1499 Pixel - 72 dpi

### Dimensional drawing basic component



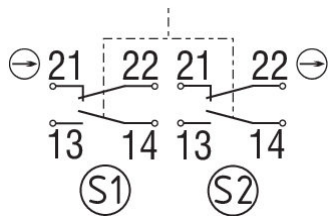
ID: 1zq-9g02

| 11,7 kB | .png | 74.083 x 51.858 mm - 210 x 147  
Pixel - 72 dpi

| 133,9 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701  
Pixel - 72 dpi

| 60,2 kB | .cdr |

### Diagram

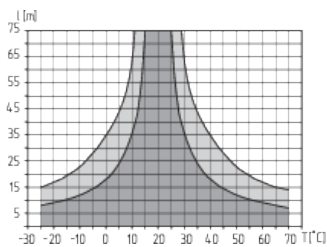


ID: ktf--k12

| 17,9 kB | .cdr |

| 101,3 kB | .jpg | 352.778 x 228.953 mm - 1000 x 649  
Pixel - 72 dpi

### Characteristic curve



ID: kzq90d02

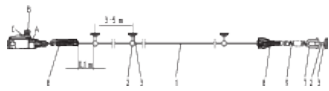
| 176,7 kB | .jpg | 352.778 x 257.528 mm - 1000 x 730  
Pixel - 72 dpi

| 8,9 kB | .png | 74.083 x 53.975 mm - 210 x 153 Pixel  
- 72 dpi

| 37,5 kB | .cdr |

### Operating principle

ID: kzq90a11



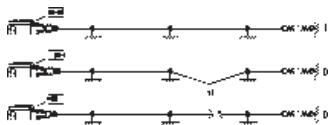
| 48,5 kB | .jpg | 352.778 x 88.9 mm - 1000 x 252 Pixel - 72 dpi

| 191,8 kB | .cdr |

| 4,0 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel - 72 dpi

## Operating principle

ID: kzq90a13



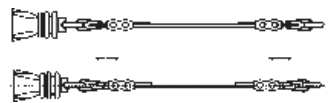
| 1,6 kB | .png | 74.083 x 27.517 mm - 210 x 78 Pixel - 72 dpi

| 72,8 kB | .jpg | 352.778 x 130.528 mm - 1000 x 370 Pixel - 72 dpi

| 72,1 kB | .cdr |

## Operating principle

ID: kzq90a03



| 1,7 kB | .png | 74.083 x 21.519 mm - 210 x 61 Pixel - 72 dpi

| 74,1 kB | .jpg | 352.778 x 103.011 mm - 1000 x 292 Pixel - 72 dpi

| 28,7 kB | .cdr |

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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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