



## ZQ 900-02

- 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

|                               |               |
|-------------------------------|---------------|
|                               | ZQ 900-02     |
|                               | 101186146     |
| EAN (European Article Number) | 4030661325934 |
| eCl@ss number, Version 9.0    | 27-37-12-01   |

### Approval - Standards

TÜV  
EAC

### General data

|                                      |                            |
|--------------------------------------|----------------------------|
|                                      | ZQ 900                     |
|                                      | 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                         | 1,400 g                    |

### General data - Features

|                           |    |
|---------------------------|----|
| Indicator lamp            | No |
| Number of safety contacts | 2  |

### Safety appraisal

|              |             |
|--------------|-------------|
|              | 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                                                              |
|                      | 0.75 mm <sup>2</sup>                                                          |
|                      | 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, 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 Opener (NC)  
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

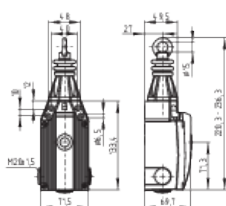
## Photo/Product/Catalogue



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

## Dimension/Product/Basic



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 |

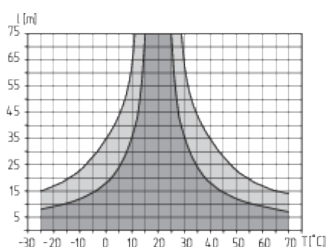
## Graphic/Product/Contact



ID: ktf--k10

| 59,7 kB | .jpg | 352.778 x 195.439 mm - 1000 x 554  
Pixel - 72 dpi  
| 16,1 kB | .cdr |

## Diagramm/Product/Curve

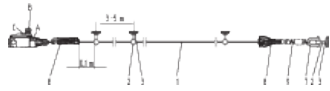


ID: kzq90d02

| 37,5 kB | .cdr |  
| 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

## Illustration/Product/Function

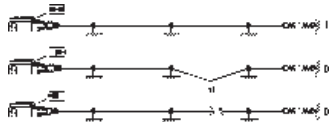
ID: kzq90a11



| 4,0 kB | .png | 74.083 x 18.697 mm - 210 x 53 Pixel - 72 dpi  
| 48,5 kB | .jpg | 352.778 x 88.9 mm - 1000 x 252 Pixel - 72 dpi

#### Illustration/Product/Function

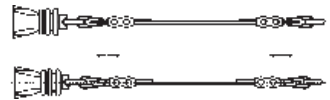
ID: kzq90a13



| 72,1 kB | .cdr |  
| 72,8 kB | .jpg | 352.778 x 130.528 mm - 1000 x 370 Pixel - 72 dpi  
| 1,6 kB | .png | 74.083 x 27.517 mm - 210 x 78 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 |

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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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