



ZQ 900-04

- 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 900-04
	101184416
EAN (European Article Number)	4030661332772
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	1,345 g

General data - Features

Indicator lamp	No
Number of safety contacts	4

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 ²
	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
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

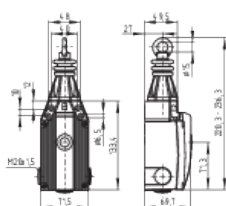
Photo/Product/Catalogue



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

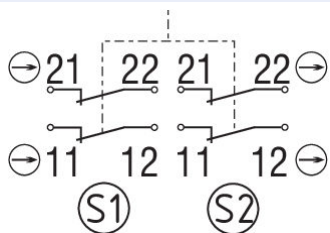
Dimension/Product/Basic



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 |

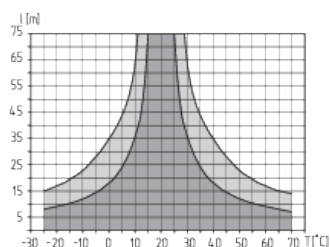
Graphic/Product/Contact



ID: ktf--k11

| 113,1 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi
| 18,3 kB | .cdr |

Diagramm/Product/Curve

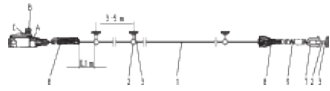


ID: kzq90d02

| 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

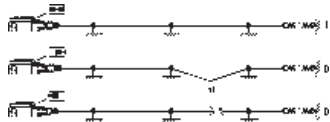
ID: kzq90a11



| 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

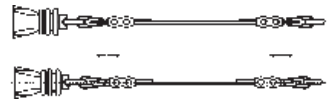
ID: kzq90a13



| 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 |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 392021-01-31T07:03:39+01:000701Europe/BerlinSun, 31 Jan 2021 07:03:39

+010039amSunday.31am31Europe/BerlinCET0301Europe/BerlinJanuary2021Sun, 31 Jan 2021 07:03:39

+010001am31