

Datasheet - TQ 700-11

Pull-wire switches / TQ 700

 Preferred typ

- thermoplastic enclosure
- one-side operation / wire up to 10 m long
- Position indicator
- Large wiring compartment
- Twisting of towing eye not possible
- One tension force for cable lengths up to 10 m
- 1 Cable entry M 20 x 1.5

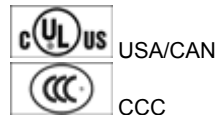
(Minor differences between the printed image and the original product may exist!)

Ordering details

Product type description	TQ 700-11
Article number	101192479
EAN code	4030661352688

Approval

Approval



Classification

Standards	EN ISO 13849-1
B _{10d} Opener (NC)	100 000 operations
B _{10d} Normally open contact (NO)	100 000 operations
Mission time	20 Years

Global Properties

Product name	TQ 700
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes

Materials

- Material of the housings	Plastic, thermoplastic
- Material of the cover	Plastic, thermoplastic
- Material of the contacts	Silver
Weight	210 g
Emergency-Stop button (Y/N)	No

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	0,75 mm ²
- Max. Cable section	2.5 mm ²
Mechanical life	> 1.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Length of wire	max. 10 m

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-25 °C
- Max. environmental temperature	+70 °C
Protection class	IP67 to IEC/EN 60529

Electrical data

Design of control element	Normally open contact (NO), Opener (NC)
Switching principle	Creep circuit element
Number of shutters	1 piece
Number of openers	1 piece
Rated impulse withstand voltage U_{imp}	6 kV
Rated insulation voltage U_i	500 V
Thermal test current I_{the}	10 A
Utilisation category	AC-15: 230 V / 4 A, DC-13: 24 V / 4 A
Max. fuse rating	6 A gG D-fuse

Dimensions

Dimensions	
- Width	40.5 mm
- Height	160 mm
- Depth	42.2 mm

notice

At 2 bis 5 m distance intermediate wire supports are required, see accessories

Recommended cable lengths for pull-wire Emergency-Stop switches in relation to the range of ambient temperature.

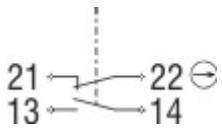
As the thimbles are subject to deformation in case of wire pull, the wire should be pulled several times after fitting. After that, the wire must be re-tensioned using the eyebolt or the tensioner.

Indication legend

Wire rope 1 =

- Eyebolt 2 =
- 3 = nut
- Wire clamp 4 =
- Tensioning jack 5 =
- 6 = Wire thimble
- 7 = shackle
- rope tensioner 8 =
- Position indicator A =
- reset button B =

Diagram



Note Diagram

- positive break NC contact
- active
- no active
- Normally-open contact
- Normally-closed contact

Ordering code

TQ 700-(1)

(1)	
11	1 Normally open contact (NO) / 1 Opener (NC)
02	2 Opener (NC)
20	2 Normally open contact (NO)

Documents

Operating instructions and Declaration of conformity (de) 523 kB, 14.05.2013

Code: mrl_tq700_de

Operating instructions and Declaration of conformity (en) 350 kB, 28.05.2013

Code: mrl_tq700_en

Operating instructions and Declaration of conformity (pt) 398 kB, 15.05.2013

Code: mrl_tq700_pt

Operating instructions and Declaration of conformity (br) 353 kB, 28.05.2013

Code: mrl_tq700_br

Operating instructions and Declaration of conformity (br) 353 kB, 28.05.2013

Code: mrl_tq700_br

BG-test certificate (de, en) 230 kB, 14.07.2008

Code: q_tq7p01

TÜV certification (en) 242 kB, 22.08.2014

Code: z_tq7p01

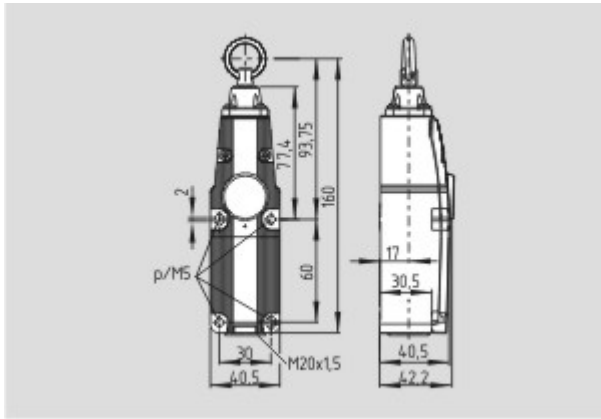
CCC certification (en) 229 kB, 19.08.2013

Code: q_zq7p02

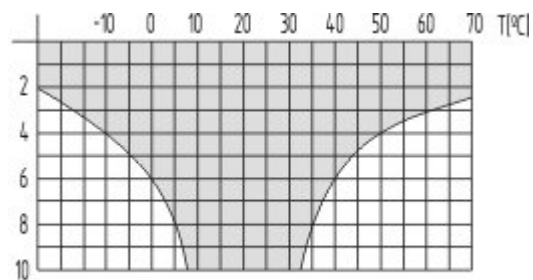
CCC certification (cn) 248 kB, 19.08.2013

Code: q_zq7p03

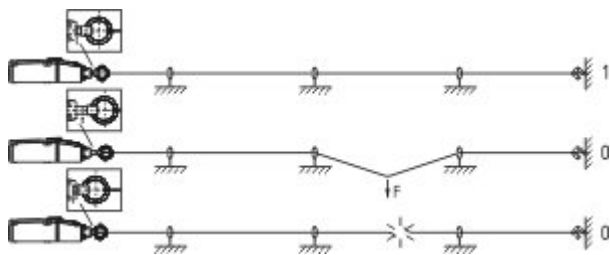
Images



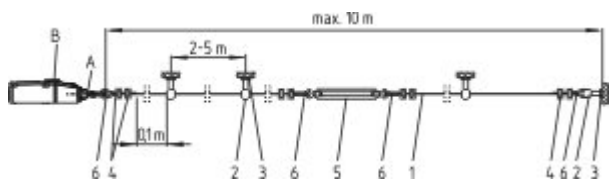
Dimensional drawing (basic component)



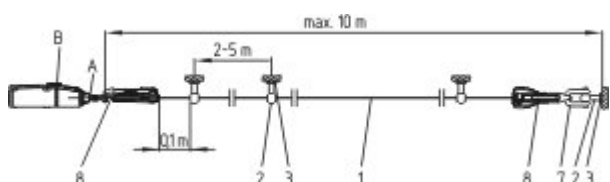
Characteristic curve



Application



Application



Application

System components

Accessories



101162986 - Eyebolt BM 8 x 70



101192471 - Eyebolt BM 8 x 70 NIRO



101084928 - Eyebolt BM 10 x 40



101203477 - Wire clamp 3 mm NIRO



101203569 - Wire clamp 4 mm NIRO



101203478 - Wire clamp 5 mm NIRO



101190917 - Duplex wire clamp 3 mm NIRO

• for Wire rope Ø 3 mm



101203569 - Duplex wire clamp 4 mm NIRO

- for Wire rope \varnothing 3 mm



101196043 - Egg-shaped wire clamp GR 3

- for Wire rope \varnothing 3 mm



101077072 - Egg-shaped wire clamp GR 4

- for Wire rope \varnothing 4 mm



101203472 - WIRE THIMBLE 3 mm NIRO

- for Wire rope \varnothing 3 mm
- to DIN 6899



101170750 - WIRE THIMBLE 4 mm

- for Wire rope \varnothing 4 mm
- to DIN 6899



101203475 - WIRE THIMBLE 4 mm NIRO

- for Wire rope \varnothing 4 mm
- to DIN 6899



101203476 - WIRE THIMBLE 5 mm NIRO

- for Wire rope \varnothing 5 mm
- to DIN 6899



101192433 - PULLEY

- for Wire rope \varnothing 3 mm
- To guide the wire rope where the path is not a straight line



101087930 - TENSIONING JACK M6

- For exact adjustment of the tension of the wire rope
- to DIN 1480



101186696 - TENSION SPRING RZ-2041

- To maintain the reaction force



101186490 - SHACKLE NIRO

- Shackle for fixing the wire rope to the eyebolt



101094517 - WIRE ROPE 5 mm

- With red PVC sheath
- Ø 5 mm total
- Steel core Ø 3 mm
- Quantity: Meter



103003628 - WIRE UNIT COMPLETE 5 m

- Ready-to-fit
- With red PVC sheath



103003629 - WIRE UNIT COMPLETE 10 m

- Ready-to-fit
- With red PVC sheath



101186704 - rope tensioner S 900

- Smooth adjustment
- Only one tool
- Antiskid
- Time-saving
- Ergonomic
- No risk of injury

