

Datasheet - TQ 200-11

Pull-wire switches / TQ 200



- light alloy die-casting enclosure
- for suspended mounting

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

Ordering details

Product type description	TQ 200-11
Article number	TQ 200-11
EAN Code	
eCl@ss	27-37-12-90

Classification

Standards	EN ISO 13849-1
B10d Normally-closed contact (NC)	2.000.000
- notice	at 10% I _e and ohmic load
Mission time	20 Years
notice	$MTTF_d = \frac{B_{10d}}{0,1 \times n_{op}}$ $n_{op} = \frac{d_{op} \times h_{op} \times 3600 \text{ s/h}}{t_{cycle}}$

Global Properties

Permanent light	TQ 200
Standards	EN 60947-5-1
Compliance with the Directives (Y/N)	Yes
Materials	
- Material of the housings	light alloy die-casting
Weight	

Emergency-Stop button (Y/N)

No

Mechanical data

Design of electrical connection	Shielded cable
Cable length	3
Conductors	4 x 1
Mechanical life	1.000.000 operations
Actuating force (Tension force)	40.4 ± 3.6
restistance to shock	30
Resistance to vibration	10 - 150 HZ (0,5 mm / 5 g)
Actuating speed	60 mm /

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-40
- Max. environmental temperature	+80
- Min. Storage and transport temperature	-40
- Max. Storage and transport temperature	+80
Relative humidity	93, non-condensing
Protection class	IP54
Protection rating	II
Overvoltage category	III
Degree of pollution	3
Switching element protection class	IP67

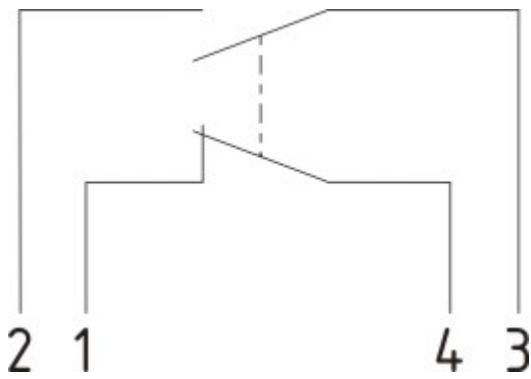
Electrical data

Design of control element	Normally open contact (NO), Opener (NC)
Switching principle	Creep circuit element
Number of shutters	1
Number of openers	1
Rated impulse withstand voltage	2.5
Rated insulation voltage	40
Thermal test current	1 A
Utilisation category	DC-13
Rated operating current/voltage	24 / 1 A; 36 / 0,8 A
Required rated short-circuit current	1000 A
Max. fuse rating	6 A gG D-fuse

Dimensions

Dimensions	
- Width	60
- Height	250
- Depth	32

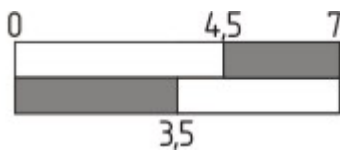
Diagram



Note Diagram

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

Switch travel diagram



Notes Switch travel diagram

- Contact closed
- Contact open
- Setting range
- Break point
- Positive opening sequence/- angle
- VS** adjustable range of NO contact
- VÖ** adjustable range of NC contact
- N** after travel

Documents

Operating instructions and Declaration of conformity (fr) 269 kB, 23.11.2017

Code: mrl_tq200_fr

Operating instructions and Declaration of conformity (es) 269 kB, 19.12.2017

Code: mrl_tq200_es

Operating instructions and Declaration of conformity (it) 268 kB, 28.11.2017

Code: mrl_tq200_it

Operating instructions and Declaration of conformity (nl) 265 kB, 01.08.2018

Code: mrl_tq200_nl

Operating instructions and Declaration of conformity (jp) 324 kB, 30.04.2013

Code: mrl_tq200_jp

Operating instructions and Declaration of conformity (pt) 271 kB, 19.12.2017

Code: mrl_tq200_pt

Operating instructions and Declaration of conformity (de) 247 kB, 09.11.2017

Code: mrl_tq200_de

Operating instructions and Declaration of conformity (en) 266 kB, 09.11.2017

Code: mrl_tq200_en

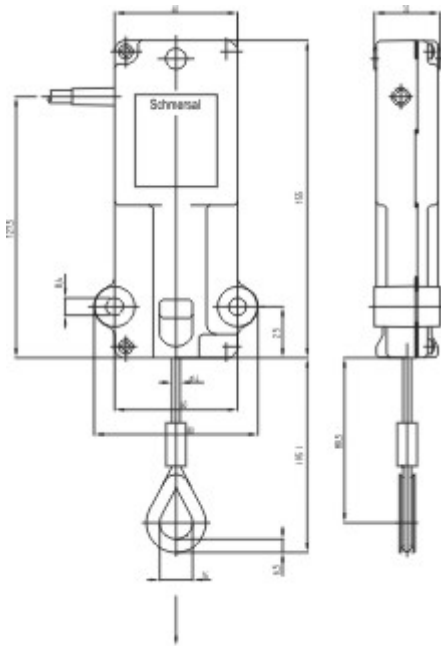
Operating instructions and Declaration of conformity (pl) 298 kB, 05.03.2018

Code: mrl_tq200_pl

Operating instructions and Declaration of conformity (da) 246 kB, 25.09.2015

Code: mrl_tq200_da

Images



Dimensional drawing (basic component)

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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