

Datasheet - TQ 200-01

Pull-wire switches / TQ 200


 Preferred typ


- 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 200-01
Article number	101114531
EAN code	4030661038391

Classification

Standards	EN ISO 13849-1
B _{10d} 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

Product name	TQ 200
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Materials	
- Material of the housings	light alloy die-casting
Weight	706 g

Emergency-Stop button (Y/N) No

Mechanical data

Design of electrical connection	Shielded cable
Cable length	3 m
Conductors	4 x 1 mm ²
Mechanical life	1.000.000 operations
Actuating force (Tension force F)	40.4 ± 3.6 N
Resistance to shock	30 g
Resistance to vibration	10 - 150 Hz (0,5 mm / 5 g)
Actuating speed	60 mm / min

Ambient conditions

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

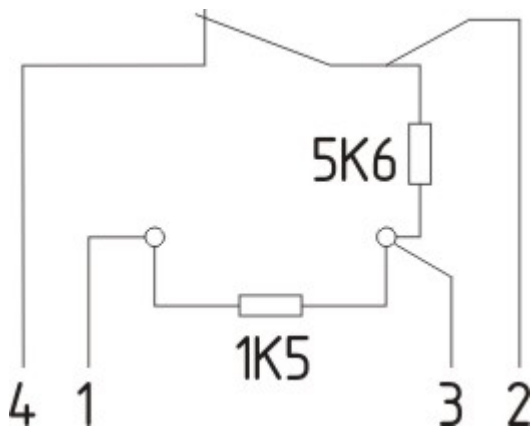
Electrical data

Design of control element	Opener (NC)
Switching principle	Creep circuit element
Number of shutters	0 piece
Number of openers	1 piece
Rated impulse withstand voltage U_{imp}	2.5 kV
Rated insulation voltage U_i	40 V
Thermal test current I_{the}	1 A
Utilisation category	DC-13
Rated operating current/voltage I_e/U_e	24 VDC / 1 A; 36 VDC / 0,8 A
Required rated short-circuit current	1000 A
Max. fuse rating	6 A gG D-fuse

Dimensions

Dimensions	
- Width	60 mm
- Height	250 mm
- Depth	32 mm

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 (es) 228 kB, 03.06.2013

Code: mrl_tq200_es

Operating instructions and Declaration of conformity (it) 227 kB, 03.06.2013

Code: mrl_tq200_it

Operating instructions and Declaration of conformity (nl) 228 kB, 03.06.2013

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 (de) 231 kB, 18.02.2013

Code: mrl_tq200_de

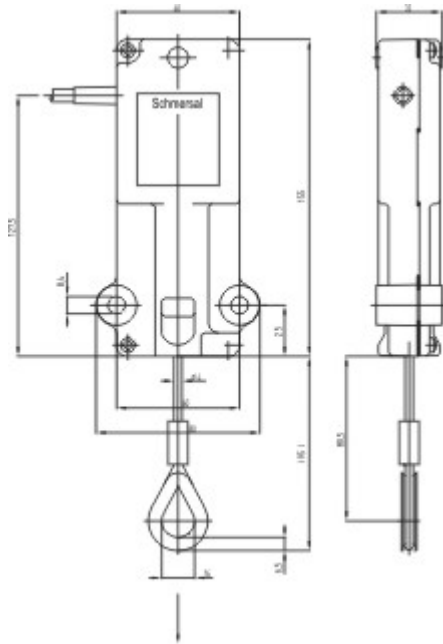
Operating instructions and Declaration of conformity (en) 230 kB, 18.02.2013

Code: mrl_tq200_en

Operating instructions and Declaration of conformity (pl) 275 kB, 20.02.2014

Code: mrl_tq200_pl

Images



Dimensional drawing (basic component)

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal

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

Generiert am 30.08.2014 - 06:46:48h Kasbase 2.2.18.F DBI

