

## 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
eCl@ss	27-37-12-90

### Classification

Standards	EN ISO 13849-1
B10d Normally-closed contact (NC)	2.000.000
- notice	at 10% I <sub>e</sub> 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	706
Emergency-Stop button (Y/N)	No

## Mechanical data

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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

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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

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Design of control element	Opener (NC)
Switching principle	Creep circuit element
Number of shutters	0
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

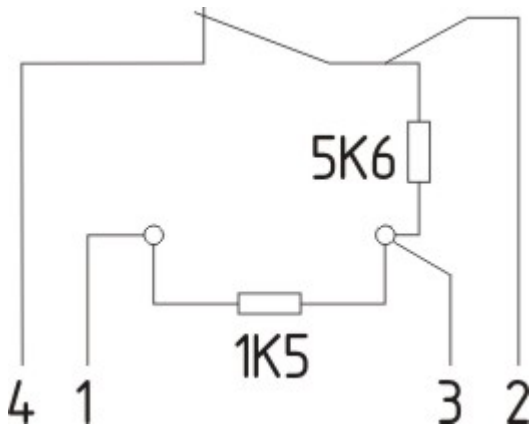
## Dimensions

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Dimensions	
- Width	60
- Height	250
- Depth	32

## Diagram

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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

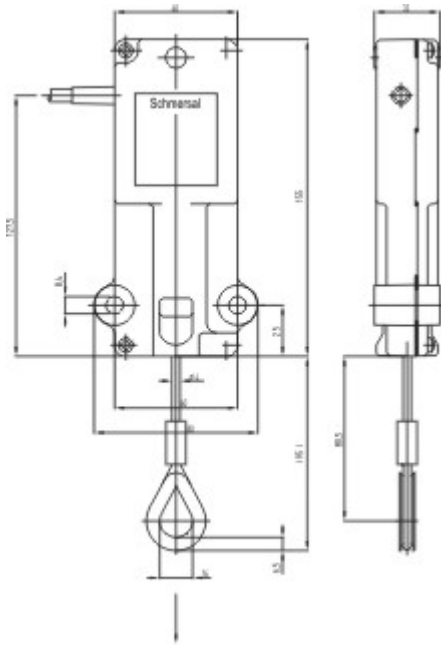
Code: mrl\_tq200\_pl

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

Code: mrl\_tq200\_da

## Images

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Dimensional drawing (basic component)

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

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

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