

Datasheet - TK 452-20Y

Position switch / medium heavy Position switch / T 452 / 452 Offset roller lever K



- Metal enclosure
- 118 mm x 127 mm x 64 mm (basic component)
- Actuator heads can be repositioned by 4 x 90°
- 2 cable entries M 25 x 1.5

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

Ordering details


Product type description	TK 452-20Y
Article number	101058994
EAN Code	4030661034447
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Permanent light	452 Rollenhebel K
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
Standard housing (Y/N)	No
Materials	
- Material of the housings	cast iron, galvanized
- Roller material	Plastic
- Material of the contacts	Silver
Housing coating	painted

Weight	1715
Slide form	Castor

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	1.5
- Max. Cable section	2.5
AWG-Number	13
Active principle	mechanical
Mechanical life	10.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Offset roller lever
Bounce duration	
Switchover time	
Contact opening	2 x 6
Actuating speed with vertical actuating angle to switch axis	
- Min. Actuating speed	1
- Max. Actuating speed	0,5
- Actuating angle from left of switch axis	45
- Actuating angle from right of switch axis	30

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-30
- Max. environmental temperature	+90
Protection class	IP65 to IEC/EN 60529

Electrical data

Design of control element	Normally open contact (NO)
- with double break	
Switching principle	Creep circuit element
- positive break NC contact 	
Number of shutters	2
Number of openers	0
Rated impulse withstand voltage	6
Rated insulation voltage	400
Thermal test current	16 A
Utilisation category	AC-15: 400 V / 4 A
Max. fuse rating	16 A gG D-fuse

Dimensions

Dimensions of the sensor	
- Width of sensor	118
- Height of sensor	201
- Length of sensor	64
Roller wide	6.5
Roller diameter	25

notice

notice

Actuation from the right should be avoided, since this reduces the mechanical life of the position switch.

Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch.

Order example: TK 452-20Y- **1276-2**

...- **1276-2**

gold-plated contacts

...- **H**

Slow action with staggered contacts

...-**RMS**

Available with metal roller

Documents

Operating instructions and Declaration of conformity (nl) 95 kB, 20.07.2018

Code: mrlk_posi-allgemein_nl

Operating instructions and Declaration of conformity (ru) 133 kB, 09.07.2018

Code: mrlk_posi-allgemein_ru

Operating instructions and Declaration of conformity (es) 88 kB, 09.07.2018

Code: mrlk_posi-allgemein_es

Operating instructions and Declaration of conformity (en) 86 kB, 09.07.2018

Code: mrlk_posi-allgemein_en

Operating instructions and Declaration of conformity (cn) 138 kB, 09.07.2018

Code: mrlk_posi-allgemein_cn

Operating instructions and Declaration of conformity (it) 86 kB, 09.07.2018

Code: mrlk_posi-allgemein_it

Operating instructions and Declaration of conformity (jp) 285 kB, 09.07.2018

Code: mrlk_posi-allgemein_jp

Operating instructions and Declaration of conformity (pl) 118 kB, 09.07.2018

Code: mrlk_posi-allgemein_pl

Operating instructions and Declaration of conformity (fr) 85 kB, 09.07.2018

Code: mrlk_posi-allgemein_fr

Operating instructions and Declaration of conformity (pt) 86 kB, 09.07.2018

Code: mrlk_posi-allgemein_pt

Operating instructions and Declaration of conformity (de) 88 kB, 09.07.2018

Code: mrlk_posi-allgemein_de

Declaration of conformity (de) 94 kB, 08.08.2016

Code: __422p01



Operating principle

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