

## Datasheet - TD 470-33Y

Position switch / medium heavy Position switch / T 470 / 470 Roller lever D



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

- Metal enclosure
- 6 Contacts
- 130 mm x 194 mm x 64 mm ( basic component)
- Actuator head can be repositioned in steps 4 x 90°
- Continuous adjustment of lever position 360°
- Lever can be transposed by 180°
- In temperature-resistant version, the roller can be mounted in two different positions on the shaft
- 4 cable entries M 20 x 1.5

### Ordering details


Product type description	TD 470-33Y
Article number	101059640
EAN Code	4030661036984
eCl@ss	27-27-06-01

### Approval

Approval



### Global Properties

Permanent light	470 Rollenschwenkhebel D
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	3130


## 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	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	3
- Actuating angle from left of switch axis	30
- 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), Opener (NC)
- with double break	
Switching principle	Creep circuit element
- positive break NC contact 	
Number of shutters	3
Number of openers	3
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	130
- Height of sensor	332
- Length of sensor	64
Roller wide	9
Roller diameter	36

## Ordering suffix

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

Order example: TD 470-33Y- **1276-2**

...- <b>1276-2</b>	gold-plated contacts
...- <b>1801</b>	Splined shaft and lever available with 10° toothing
...- <b>UE</b>	Slow action with overlapping contacts
...- <b>H</b>	Slow action with staggered contacts
...- <b>RMS</b>	Available with metal roller

## Documents

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**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

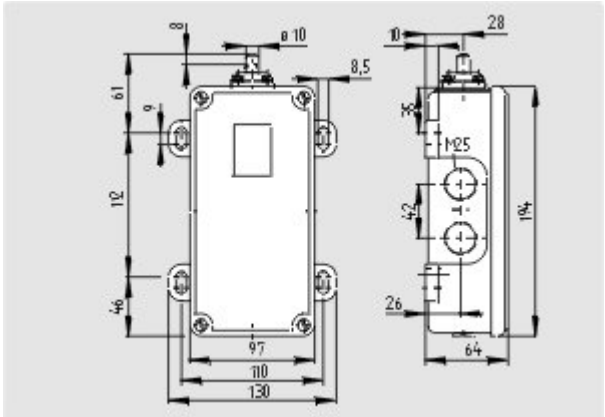
**Declaration of conformity** (de) 94 kB, 08.08.2016

Code: \_\_422p01

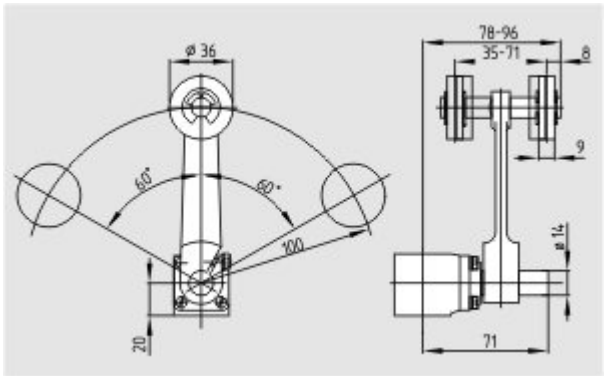
**Declaration of conformity** (pl) 129 kB, 08.08.2016

Code: \_\_422p01\_pl

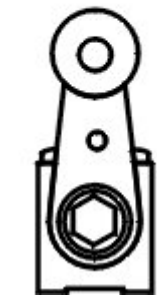
## Images



## Dimensional drawing (basic component)



## Dimensional drawing (miscellaneous)



### Operating principle