

Datasheet - TD 422-10Y

Position switch / medium heavy Position switch / T 422 / 422 Roller lever D



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

- Metal enclosure
- Actuator head can be repositioned in steps 4 x 90°
- Continuous adjustment of lever position 360°
- 1 Contact
- Lever can be transposed by 180°
- In temperature-resistant version, the roller can be mounted in two different positions on the shaft
- 106 mm x 71 mm x 63 mm (basic component)
- Protection class IP65
- 2 cable entries M 20 x 1.5

Ordering details

Product type description	TD 422-10Y
Article number	101059468
EAN code	4030661036083
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Product name	422 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	1295 g
Slide form	Castor

Mechanical data

Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	1.5 mm ²
- Max. Cable section	2.5 mm ²
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 mm
Actuating speed with vertical actuating angle to switch axis	
- Min. Actuating speed	1 mm/min
- Max. Actuating speed	3 m/s
- Actuating angle from left of switch axis	30°
- Actuating angle from right of switch axis	30°

Ambient conditions

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

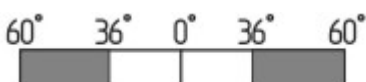
Electrical data

Design of control element	Normally open contact (NO)
- with double break	
Switching principle	Creep circuit element
Number of shutters	1 piece
Number of openers	0 piece
Rated insulation voltage U _i	400 V
Thermal test current I _{the}	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	106 mm
- Height of sensor	209 mm
- Length of sensor	63 mm
Roller wide	9 mm
Roller diameter	36 mm


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

Ordering suffix

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

Order example: TD 422-10Y- **1276-2**

...- 1276-2	gold-plated contacts
...-T	Temperature-resistant and tropical version with ceramic insulation for -40°C ... +200°C Rated insulation voltage U _i : 500 V (Snap action)
...-1801	Splined shaft and lever available with 10° tothing
...-RMS	Available with metal roller

Ordering code

T(1) 422-(2)Y-(3)	
(1)	
S	Plunger S
2S	Telescopic plunger 2S
R	Roller plunger R
K	Offset roller lever K
J	Offset roller lever J
2C	Fork lever 2C
L	Roller lever L
D	Roller lever D
(2)	
01	1 Opener (NC)
10	1 Normally open contact (NO)
(3)	
T	Temperature-resistant and tropical version with ceramic insulation for -40°C ... +200°C
1276-2	gold-plated contacts

Documents

Declaration of conformity (en) 96 kB, 11.04.2014

Code: konfi_mrl_t422_en

Declaration of conformity (de) 227 kB, 03.07.2013

Code: __422p01

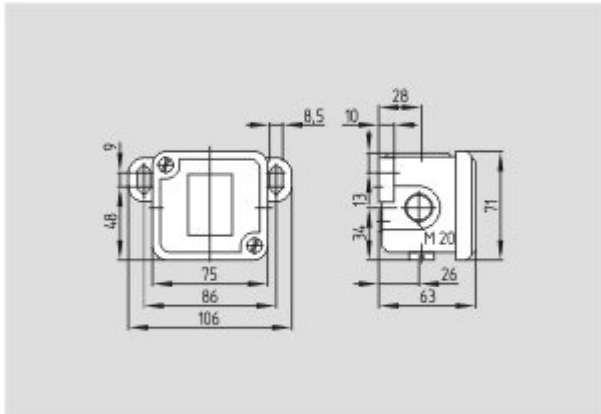
CCC certification (cn) 125 kB, 30.01.2014

Code: q_352p03

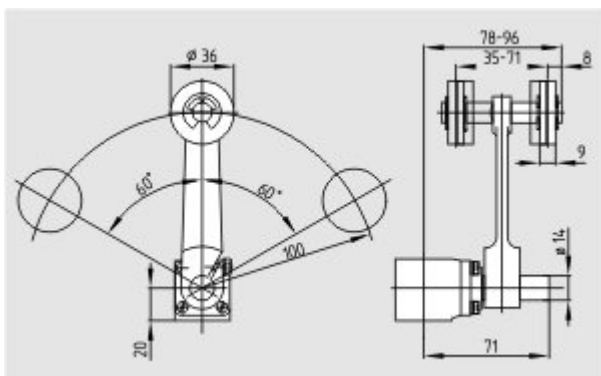
CCC certification (en) 180 kB, 30.01.2014

Code: q_352p02

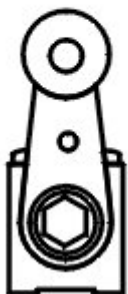
Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle
