

Datasheet - TD 422-01Y

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



Preferred typ



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

- Metal enclosure
- 1 Contact
- 106 mm x 71 mm x 63 mm (basic component)
- Protection class IP65
- 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
- 2 cable entries M 20 x 1.5

Ordering details


| | |
|--------------------------|---------------|
| Product type description | TD 422-01Y |
| Article number | 101170460 |
| EAN Code | 4030661297705 |
| eCl@ss | 27-27-06-01 |

Approval

Approval



Global Properties

| | |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Permanent light | 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 | 1305 |
| 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 | 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 |

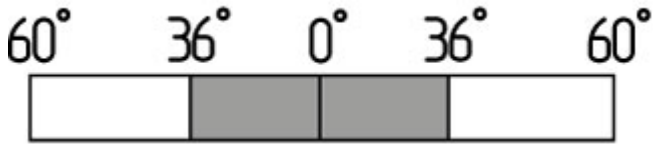
Electrical data

| | |
|-----------------------------------------------------------------------------------------------------------------|-----------------------|
| Design of control element | Opener (NC) |
| - with double break | |
| Switching principle | Creep circuit element |
| - positive break NC contact  | |
| Number of shutters | 0 |
| Number of openers | 1 |
| Rated insulation voltage U_i | 400 V |
| Thermal test current I_{th} | 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 |
| - Height of sensor | 209 |
| - Length of sensor | 63 |
| Roller wide | 9 |
| Roller diameter | 36 |

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 422-01Y-T

| | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| ...-T | Temperature-resistant and tropical version with ceramic insulation for -40°C ... +200°C Rated insulation voltage U_i : 500 V (Snap action) |
| ...- 1276-2 | gold-plated contacts |
| ...-1801 | Splined shaft and lever available with 10° tooting |
| ...-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

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

Declaration of conformity (en) 84 kB, 29.11.2018

Code: __422p01_en

CCC certification (cn) 3 MB, 09.04.2018

Code: q_352p03

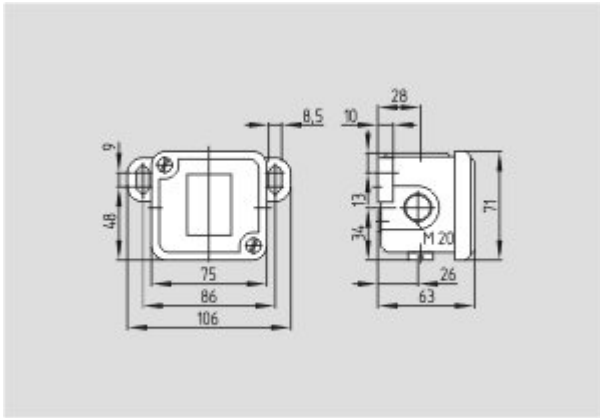
CCC certification (en) 3 MB, 09.04.2018

Code: q_352p02

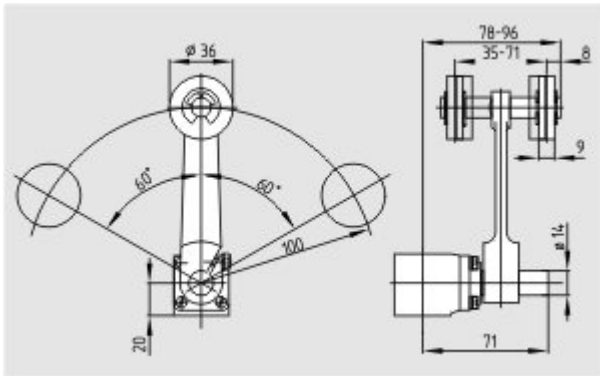
EAC certification (ru) 388 kB, 20.01.2016

Code: q_1527p17_ru

Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle

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

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