

Datasheet - MV7H 330-11Y

Position switch / light Position switch / M 330 / M 330 Roller lever 7H

 Preferred typ

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

- Metal enclosure
- Long life
- 40 mm x 76 mm x 40 mm (basic component)
- Suitable for low actuating speeds
- 1 Cable entry M 20 x 1.5
- free of silicon
- proved in power station applications
- Actuator head can be repositioned in steps 4 x 90°
- Continuous adjustment of lever position 360°
- Lever can be transposed by 180°

Ordering details


| | |
|--------------------------|---------------|
| Product type description | MV7H 330-11Y |
| Article number | 101158933 |
| EAN code | 4030661183237 |
| eCl@ss | 27-27-06-01 |

Approval

Approval



Global Properties

| | |
|--|---------------------------|
| Product name | 330 Rollenschwenkhebel 7H |
| 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 |
| - Roller material | Plastic |
| - Material of the contacts | Silver |
| Housing coating | painted |
| Weight | 364 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 | > 30.000.000 operations |
| notice | All indications about the cable section are including the conductor ferrules. |
| Design of actuating element | Roller lever |
| actuating torque | 50,5 Ncm |
| restistance to shock | 50 g / 6 ms |
| Bounce duration | ≤ 1.5 ms |
| Switchover time | ≤ 10 ms |
| Contact opening | 2 x 0,5 mm |
| Repeat accuracy of switching points | ± 0,02 mm |
| Actuating speed | |
| - Min. Actuating speed | 1 mm/min |
| - Max. Actuating speed | |

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), Opener (NC) |
| - Change-over contact with double break | |
| - galvanically separated contact bridges | |
| Switching principle | Snap switch element |
| Number of shutters | 1 piece |
| Number of openers | 1 piece |
| Rated impulse withstand voltage U _{imp} | 4 kV |
| Rated insulation voltage U _i | 250 V |
| Thermal test current I _{the} | 6 A |
| Utilisation category | AC-15: 230 V / 2,5 A |
| Max. fuse rating | 6 A gG D-fuse |

Dimensions

| | |
|--------------------------|--------|
| Dimensions of the sensor | |
| - Width of sensor | 40 mm |
| - Height of sensor | 232 mm |
| - Length of sensor | 40 mm |
| Roller wide | 9 mm |
| Roller diameter | 37 mm |

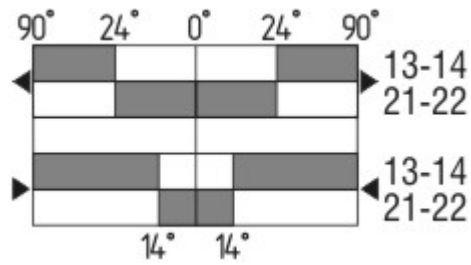
Diagram



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

Ordering suffix

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

Order example: MV7H 330-11Y**Au-Ni**

...Au-Ni Gold-nickel contact tips for low DC voltages

...-RMS Available with metal roller

Ordering code

M(1) 330-11Y-(2)-(3)

(1)

- S** Plunger S
- 2S** Telescopic plunger 2S
- R** Roller plunger R
- K** Offset roller lever K
- 3K** Angle roller lever 3K
- 3S** Side plunger 3S
- 3R** Side roller plunger 3R

| | |
|---------|---|
| AF | Spring rod lever AF |
| 4D | Forked roller lever 4D |
| 8H | Roller lever 8H |
| 7H | Roller lever 7H |
| 10H | Rod lever 10H |
| H | Roller lever H |
| 4H | Spring rod lever on shaft 4H |
| 2H | Leaf-spring lever 2H |
| 3H | Roller lever 3H |
| 9H | Rod lever 9H |
| 6H | Leaf-spring lever 6H |
| (2) | |
| without | without LED switching conditions display |
| G24 | with LED switching conditions display |
| (3) | |
| Ni | Contacts in Gold-nickel alloy |
| 1164 | Splined shaft and lever available with 10° toothing |
| 1366 | For temperatures up to +160°C |

Documents

Mounting and wiring instructions (de, en, fr) 145 kB, 31.03.2008

Code: m_330p01

Declaration of conformity (en) 117 kB, 08.01.2013

Code: konfi_mrl_m330_en

Declaration of conformity (de) 119 kB, 08.01.2013

Code: konfi_mrl_m330_de

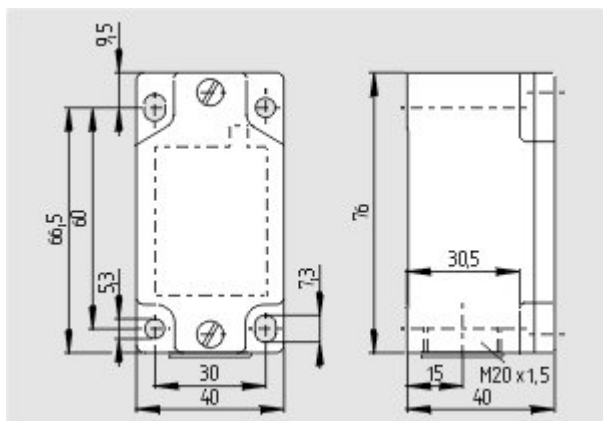
CCC certification (en) 1 MB, 30.01.2014

Code: q_332p01

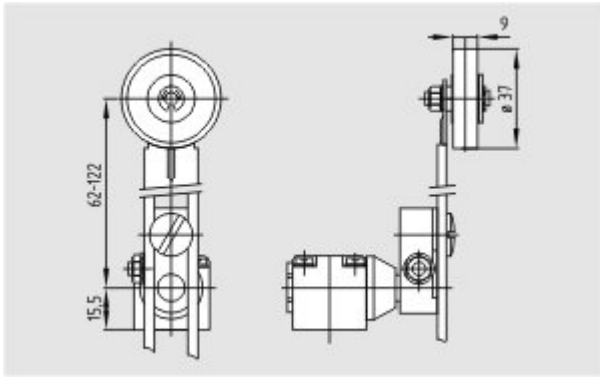
CCC certification (cn) 1 MB, 30.01.2014

Code: q_332p02

Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle
