

Datasheet - M3R 330-11Y

Position switch / light Position switch / M 330 / M 330 Side roller plunger 3R



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 heads can be repositioned by 4 x 90°
- with bellows to protect against heavy soiling

Ordering details


Product type description	M3R 330-11Y
Article number	101161735
EAN code	4030661196855
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Product name	M 330 Seitlicher Rollendruckbolzen 3R
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	245 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 plunger
Actuating force	min. 17 N
resistance 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	75,3 mm
- Height of sensor	103.5 mm
- Length of sensor	40 mm
Roller wide	4.6 mm

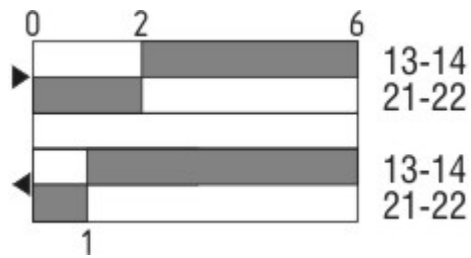
Diagram








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: M3R 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)	
<i>without</i>	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) 226 kB, 24.09.2015

Code: q_332p01

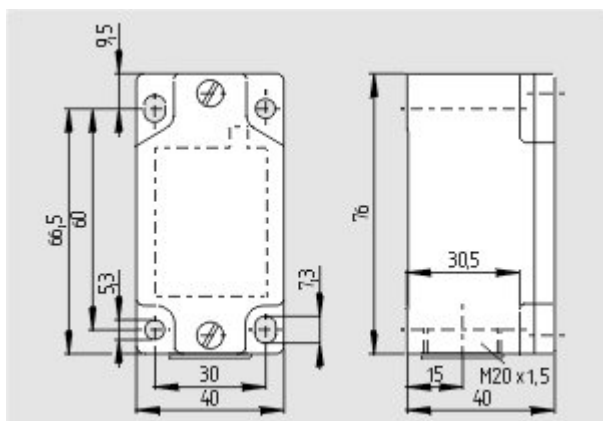
CCC certification (cn) 165 kB, 24.09.2015

Code: q_332p02

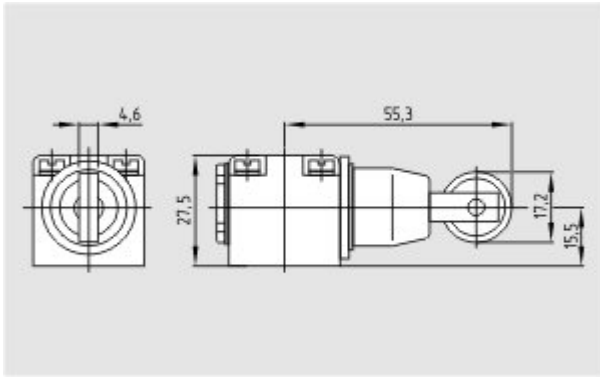
EAC certification (ru) 844 kB, 05.10.2015

Code: q_6037p17_ru

Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)

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

Generiert am 25.01.2016 - 10:39:07h Kasbase 3.2.1.F.64I