

Datasheet - MV6H 330-11Y

Position switch / light Position switch / M 330 / M 330 Leaf-spring lever 6H



Preferred typ



- 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°
- Spring-steel leaf spring

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

Ordering details


Product type description	MV6H 330-11Y
Article number	101149664
EAN Code	4030661152837
eCl@ss	27-27-06-01

Approval

Approval



Global Properties

Permanent light	M 330 Blattfederschwenkhebel 6H
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
- Lever material	Spring-steel
- Material of the contacts	Silver
Housing coating	painted

Weight	350
Slide form	

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	> 30.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Swivel lever
actuating torque	50.5
restistance to shock	50 g / 6 ms
Bounce duration	≤ 1.5
Switchover time	≤ 10
Contact opening	2 x 0,5
Repeat accuracy of switching points	± 0,02
Actuating speed	
- Min. Actuating speed	1
- Max. Actuating speed	

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)
- Change-over contact with double break	
- galvanically separated contact bridges	
Switching principle	Snap switch element
Number of shutters	1
Number of openers	1
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
- Height of sensor	407.5
- Length of sensor	40
Leaf spring thick	0,8

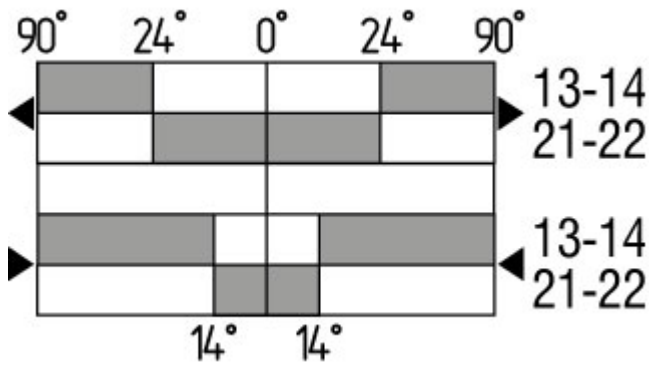
Diagram



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: MV6H 330-11Y**Au-Ni**

...**Au-Ni**

Gold-nickel contact tips for low DC voltages

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

Operating instructions (pl) 152 kB, 07.08.2018

Code: mrlk_m330_pl

Operating instructions (de) 120 kB, 07.08.2018

Code: mrlk_m330_de

Operating instructions (nl) 122 kB, 07.08.2018

Code: mrlk_m330_nl

Operating instructions (fr) 122 kB, 07.08.2018

Code: mrlk_m330_fr

Operating instructions (pt) 121 kB, 07.08.2018

Code: mrlk_m330_pt

Operating instructions (en) 119 kB, 07.08.2018

Code: mrlk_m330_en

Operating instructions (it) 120 kB, 07.08.2018

Code: mrlk_m330_it

Operating instructions (es) 120 kB, 07.08.2018

Code: mrlk_m330_es

Declaration of conformity (en) 86 kB, 21.12.2016

Code: konfi_mrl_m330_en

Declaration of conformity (de) 97 kB, 17.11.2016

Code: konfi_mrl_m330_de

CCC certification (en) 808 kB, 02.08.2016

Code: q_332p01

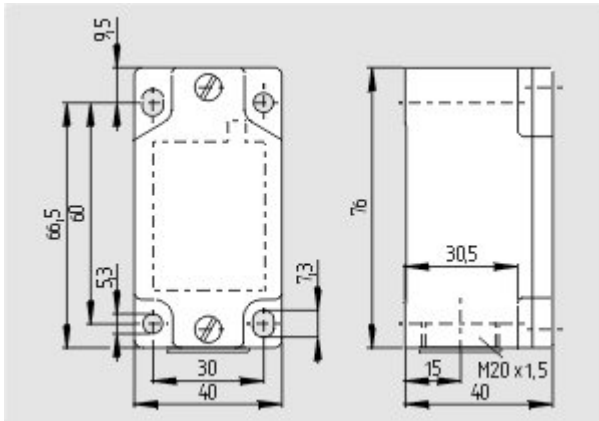
CCC certification (cn) 803 kB, 02.08.2016

Code: q_332p02

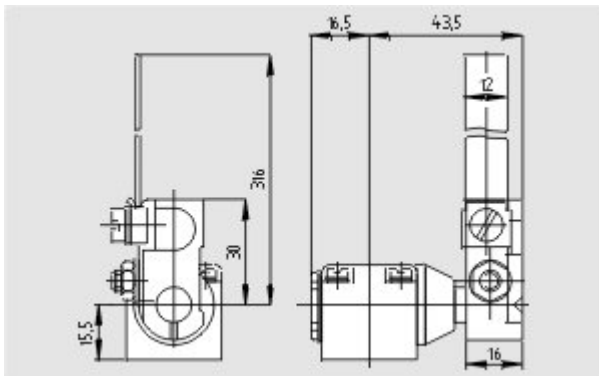
EAC certification (ru) 844 kB, 05.10.2015

Code: q_6037p17_ru

Images



Dimensional drawing (basic component)



Dimensional drawing (miscellaneous)



Operating principle

K.A. Schmersal GmbH & Co. KG, Mödinghofe 30, D-42279 Wuppertal

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

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