

## MV9H330-11Y-M20



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

### Data

#### Ordering data

Product type description	MV9H 330-11Y
Article number (order number)	101168056
EAN (European Article Number)	4030661220352
eCl@ss number, Version 9.0	27-27-06-01

#### Certifications

Certificates	cULus EAC DNV GL
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#### General data

Product name	330 rod lever 9H
Standards	EN 60947-5-1
Active principle	mechanical
Enclosure material	Cast iron
Enclosure coating material	painting
Material of the contacts, electrical	Silver
Material of the rod	Steel
Gross weight	342 g

## General data - Features

Number of openers	1
Number of shutters	1

## Mechanical data

Actuating element	Rod lever
Mechanical life, minimum	30,000,000 Operations
Contact opening	2 x 0.5 mm
Actuating speed, minimum	1 mm/min
Actuating torque	0.505 Nm
Repeat accuracy of switching points	0.02

## Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	1.5 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	13 AWG

## Mechanical data - Dimensions

Height of sensor	376 mm
Length of sensor	40 mm
Width of sensor	40 mm
Diameter of the Rod	4 mm

## Ambient conditions

Protection class	IP 65 to IEC/EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C
Resistance to shock	50 g / 6 ms

## Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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## Electrical data

Thermal test current	6 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2.5 A
Switching element	NO contact, NC contact
Note (Switching element)	galvanically separated contact bridges

Switching principle	Snap switch element
Bounce duration, maximum	43,221 ms
Switchover time, maximum	10 ms

## Ordering code

Product type description:

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

(1)

<b>S</b>	Plunger S
<b>2S</b>	Telescopic plunger 2S
<b>R</b>	Roller plunger R
<b>K</b>	Offset roller lever K
<b>3K</b>	Angle roller lever 3K
<b>3S</b>	Side plunger 3S
<b>3R</b>	Side roller plunger 3R
<b>AF</b>	Spring rod lever AF
<b>4D</b>	Fork roller level 4D
<b>8H</b>	Roller lever 8H
<b>7H</b>	Roller lever 7H
<b>10H</b>	Rod lever 10H
<b>H</b>	Roller lever H
<b>4H</b>	Spring rod lever on shaft 4H
<b>2H</b>	Leaf spring lever 2H
<b>3H</b>	Roller lever 3H
<b>9H</b>	Rod lever 9H
<b>6H</b>	Leaf spring lever 6H

(2)

<b>without</b>	without LED switching conditions display
<b>G24</b>	with LED switching conditions display

(3)

<b>AuNi</b>	Gold-nickel alloy contacts
<b>1164</b>	Splined shaft and lever available with 10° tothing
<b>1366</b>	For temperatures up to +160°C

## Pictures

## Product picture (catalogue individual photo)



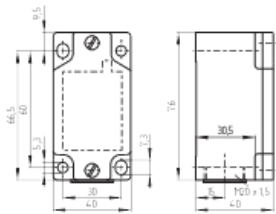
ID: km330f18

| 134,7 kB | .png | 74.083 x 274.461 mm - 210 x 778  
Pixel - 72 dpi

| 248,3 kB | .jpg | 26.649 x 98.769 mm - 320 x 1186  
Pixel - 305 dpi

| 324,5 kB | .jpg | 123.825 x 458.964 mm - 351 x 1301  
Pixel - 72 dpi

## Dimensional drawing basic component



ID: 1m330g01

| 28,1 kB | .jpg | 112.889 x 79.022 mm - 320 x 224  
Pixel - 72 dpi

| 24,6 kB | .cdr |

| 4,0 kB | .png | 74.083 x 51.858 mm - 210 x 147 Pixel  
- 72 dpi

| 107,3 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701  
Pixel - 72 dpi

## Switch travel diagram



ID: km330s02

| 24,7 kB | .jpg | 112.889 x 67.381 mm - 320 x 191  
Pixel - 72 dpi

| 1,4 kB | .png | 74.083 x 52.564 mm - 210 x 149 Pixel  
- 72 dpi

## Diagram



ID: k1o1sk07

| 12,5 kB | .jpg | 112.889 x 46.919 mm - 320 x 133  
Pixel - 72 dpi

| 17,3 kB | .cdr |

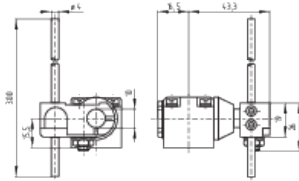
## Operating principle



ID: 235hz03

| 15,5 kB | .cdr |

### Dimensional drawing actuator



ID: 1m330b18

| 97,8 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703

Pixel - 72 dpi

| 8,4 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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