

MAF330-11Y-M20



- Long life
- Metal enclosure
- free of silicon
- 1 Cable entry M 20 x 1.5
- Suitable for low actuating speeds
- Can be actuated from any direction
- proved in power station applications
- 40 mm x 76 mm x 40 mm (basic component)
- Elasticity of the spring allows for deflection above the max. switching angle of 15°

Data

Ordering data

Product type description	MAF 330-11Y
Article number (order number)	101160633
EAN (European Article Number)	4030661190945
eCl@ss number, Version 9.0	27-27-06-01

Certifications

Certificates	cULus
	EAC
	DNV GL

General data

Product name	330 spring rod lever AF
Standards	EN 60947-5-1
Active principle	mechanical
Enclosure material	Cast iron
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Material of the rod	Metal film
Gross weight	185.000 g

General data - Features

Number of openers	1
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Number of shutters 1

Mechanical data

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

Mechanical data - Connection technique

Terminal Connector Screw connection
Cable section, minimum 1.5 mm²
Cable section, maximum 2.5 mm²
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 184.5 mm
Length of sensor 40 mm
Width of sensor 40 mm
Diameter of the Rod 8 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

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)

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	Fork roller level 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)

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

Pictures

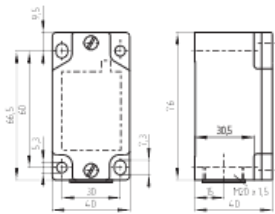
Product picture (catalogue individual photo)



ID: km330f06

| 475,3 kB | .jpg | 131.586 x 496.358 mm - 373 x 1407
Pixel - 72 dpi
| 183,3 kB | .png | 74.083 x 279.4 mm - 210 x 792
Pixel - 72 dpi

Dimensional drawing basic component



ID: 1m330g01

| 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: km330s03

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

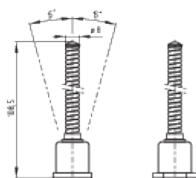
Diagram



ID: k1o1sk07

| 17,3 kB | .cdr |

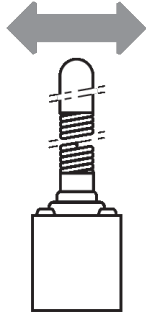
Dimensional drawing actuator



ID: 1m330b06

| 7,6 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi
| 74,8 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi

Operating principle



ID: e95tz01

| 140,3 kB | .jpg | 352.778 x 749.3 mm - 1000 x 2124
Pixel - 72 dpi

| 16,6 kB | .cdr |

| 2,8 kB | .png | 74.083 x 157.339 mm - 210 x 446
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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