



MAF 330-11Y-M20

- 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
- Can be actuated from any direction
- Elasticity of the spring allows for deflection above the max. switching angle of 15°

Data

Ordering data

EAN (European Article Number)	4030661190945
eCl@ss number, Version 9.0	27-27-06-01
eCl@ss number, Version 11.0	27-27-06-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

Approval - Standards

Certificates	cULus
	CCC
	EAC

General data

Standards	EN 60947-5-1
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Active principle	mechanical
Enclosure material	Light-alloy diecast, paint finish
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Material of the rod	Metal film
Gross weight	200 g

General data - Features

Number of openers	1
Number of shutters	1

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
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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 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Length of sensor	40 mm
Width of sensor	40 mm
Height of sensor	184.5 mm
Diameter of the Rod	8 mm

Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+90 °C
Resistance to shock	50 g / 6 ms

Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	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

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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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