



EX-MAF 330-11Y-3D

- 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°
- Ex-Zone 22

Data

Ordering data

Product type description	EX-MAF 330-11Y-3D
Article number (order number)	131207964
EAN (European Article Number)	8905236107405
eCl@ss number, version 11.0	27-27-06-01
eCl@ss number, version 9.0	27-27-06-01
ETIM number, version 6.0	EC000030

Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-31
Explosion protection zones	22
Explosion protection category	3D
Explosion protection designation	 II 3D Ex tc IIIC T100°C Dc X

General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Working principle	mechanical
Housing material	Light alloy die-casting
Housing coating material	painted
Material of the rod	Metal film
Gross weight	303 g

General data - Features

Number of normally closed (NC)	1
Number of normally open (NO)	1

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Spring rod lever
Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	4 J
Contact opening	2 x 0.5 mm
Actuating speed, maximum	1 m/s
Repeat accuracy of switching points	0.02 mm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.75 mm ²
Cable section, maximum	2.5 mm ²
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
Ambient temperature	-15 ... +80 °C
Resistance to shock	50 g / 6 ms

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	NO contact, NC contact
Switching principle	Snap action
Bounce duration, maximum	43,221 ms
Switchover time, maximum	10 ms
Material of the contacts, electrical	Silver

Pictures

Product picture (catalogue individual photo)

