

MS-228-7






MS-228-7

Normally Closed Reed Sensor
M8 thread

Electrical Characteristics		@ 25 °C
Contact form		B
Contact rating max.	W / VA	5
Switching voltage max.	VDC	175
	VAC	120
Switching current max.	A	0.25
Carry current max.	A	1.5
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 ⁹

Features
➤ Adjustable switching point
➤ Customized types available
➤ Mechanically protected
➤ Non pole oriented actuation

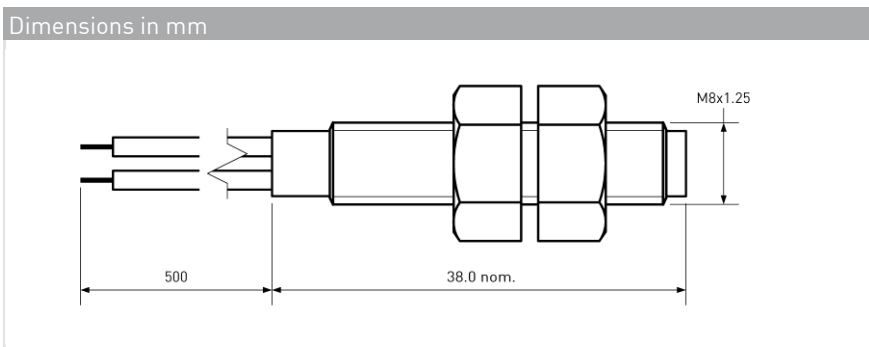
Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	15 - 30
Drop out min.	AT	5
Test coil	TC	200
Test equipment tolerance	± AT	2

Approvals




Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	100
Resonant frequency typ.	Hz	1100
Operate time max. (incl. bounce)	ms	0.7
Release time max.	ms	1

Environmental Characteristics	
Operating temperature	°C -20 to +85
Vibration (50-2000 Hz)	g 30
Shock (1/2 sin 11 ms)	g 50

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Ordering Information	
Packing Unit	50 pcs
Weight per piece	7 g
Weight per package	365 g
Standard AT Ranges	
	2 = 15 to 20 AT
	3 = 20 to 25 AT
	4 = 25 to 30 AT
Ordering Example	
MS-228-7-2 describes MS-228-7 with 15 to 20 AT.	

MS-228-7



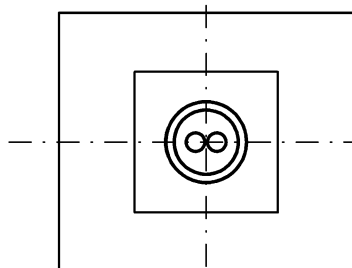
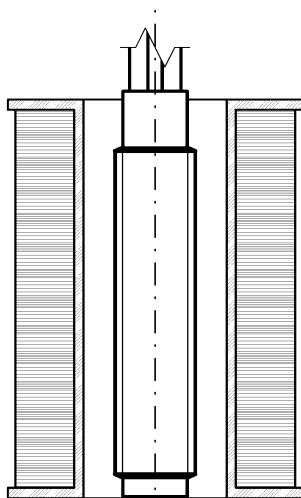
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Material Information

	Material	Colour
Housing	PA-GF	black
Cable	UL 1007/1569, AWG 24, 4 mm stripped and tinned	black
Potting compound	Epoxy	black
Nuts	PA6, M8, 2 pcs separately packed	black

Test Procedure of final Reed Sensor



- Test Coil placed in vertical position
- Reed Sensor centered in Test Coil
- Measured without nuts
- Reed Sensor aligns with bottom line

Test Parameters

Test coil	TC- 324
Test programs	
AT range	Test program
2 =	MS-228-7-2
3 =	MS-228-7-3
4 =	MS-228-7-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-228-7 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Product image serves as example only.

Matching actuator MSM-228 available as well.