

## MS-228-3



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Reed Sensor M8 thread

### Electrical Characteristics @ 25 °C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	140
Switching current max.	A	1
Carry current max.	A	1.2
Breakdown voltage min.	VDC	240
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 <sup>10</sup>

### Features

- Adjustable switching point
- Various sensitivity ranges available
- Customized types available

### Magnetical Characteristics (of unmodified Reed Switch) @ 25 °C

Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	014
Test equipment tolerance	± AT	2

### Approvals

RoHS

REACH

CE US

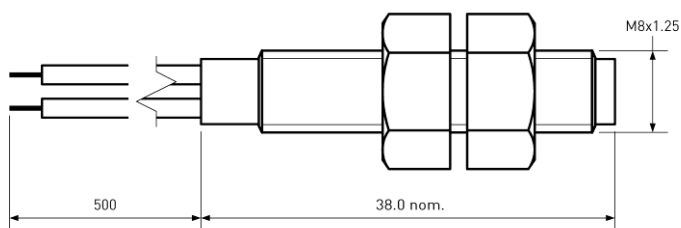
### Operating Characteristics (of unmodified Reed Switch) @ 25 °C

Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	1
Release time max.	ms	0.4

### Environmental Characteristics

Operating temperature	°C	-20 to +85
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100

### Dimensions in mm



### Ordering Information

Packing Unit	50 pcs
Weight per piece	6.3 g
Weight per package	330 g
Standard AT Ranges	
	1 = 10 to 15 AT
	2 = 15 to 20 AT
	3 = 20 to 25 AT

### Ordering Example

MS-228-3-2 describes MS-228-3 with 15 to 20 AT.

MS-228-3



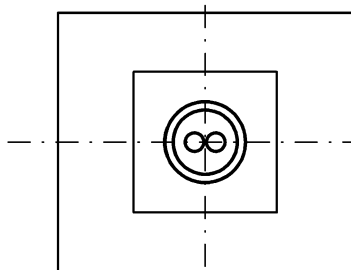
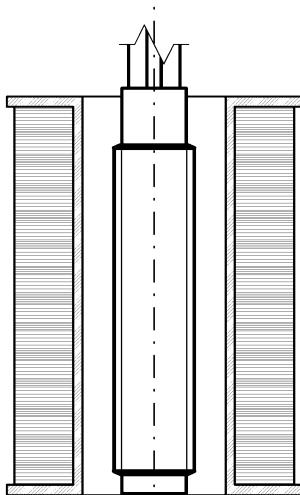
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Material Information

	Material	Colour
Housing	PA6, 30%GF, with M8 thread	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

Test Parameters

Test coil	TC- 324
Test programs	
AT range	Test program
1 =	MS-228-3-1
2 =	MS-228-3-2
3 =	MS-228-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-228-3 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-228 available as well.