

## MS-328-7



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Normally Closed Reed Sensor

### 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 <sup>9</sup>

### Features

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



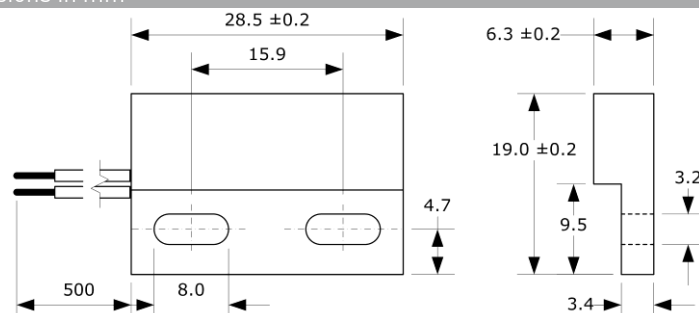
### Operating Characteristics (of unmodified Reed Switch) @ 25 °C

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

### Dimensions in mm



### Ordering Information

Packing Unit	25 pcs
Weight per piece	10.4 g
Weight per package	270 g
Standard AT Ranges	
	2 = 15 to 20 AT
	3 = 20 to 25 AT
	4 = 25 to 30 AT

### Ordering Example

MS-328-7-2 describes MS-328-7 with 15 to 20 AT.

MS-328-7



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**Material Information**

	Material	Colour
Housing	PA-GF	black
Cable	UL 1007/1569, AWG 20, 4 mm stripped and tinned	black
Potting compound	Epoxy	black

**Test Procedure of final Reed Sensor**

Test Coil placed in vertical position

Reed Sensor centered in Test Coil

Reed Sensor pushed into opposite corner of Test Coil

**Test Parameters**

Test coil	TC-328
Test programs	
AT range	Test program
2 =	MS-328-7-2
3 =	MS-328-7-3
4 =	MS-328-7-4

**Remarks**

When mounted onto ferromagnetic parts switching distance of MS-328-7 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Only non-ferromagnetic screws to be used for mounting.

Matching actuator MSM-328 available as well.  
Product image serves as example only.