

## MS-106-3



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Miniature Reed Sensor  
pitch 15.24 mm

### Electrical Characteristics @ 25 °C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	180
	VAC	130
Switching current max.	A	0.7
Carry current max.	A	1
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 <sup>9</sup>

### Features

- Small size
- Mechanically protected
- Various sensitivity ranges available

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

Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	010
Test equipment tolerance	± AT	2

### Approvals

RoHS

REACH



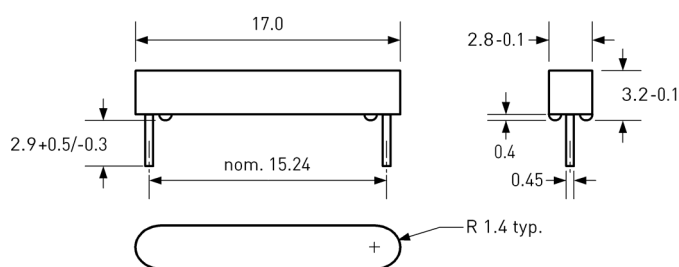
### Operating Characteristics (of unmodified Reed Switch) @ 25 °C

Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	5000
Operate time max. (incl. bounce)	ms	0.5
Release time max.	ms	0.3

### 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	1000 pcs
Weight per piece	0.2 g
Weight per package	245 g
Standard AT Ranges	
	1 = 10 to 15 AT
	2 = 15 to 20 AT
	3 = 20 to 25 AT

### Ordering Example

MS-106-3-2 describes MS-106-3 with 15 to 20 AT.

MS-106-3



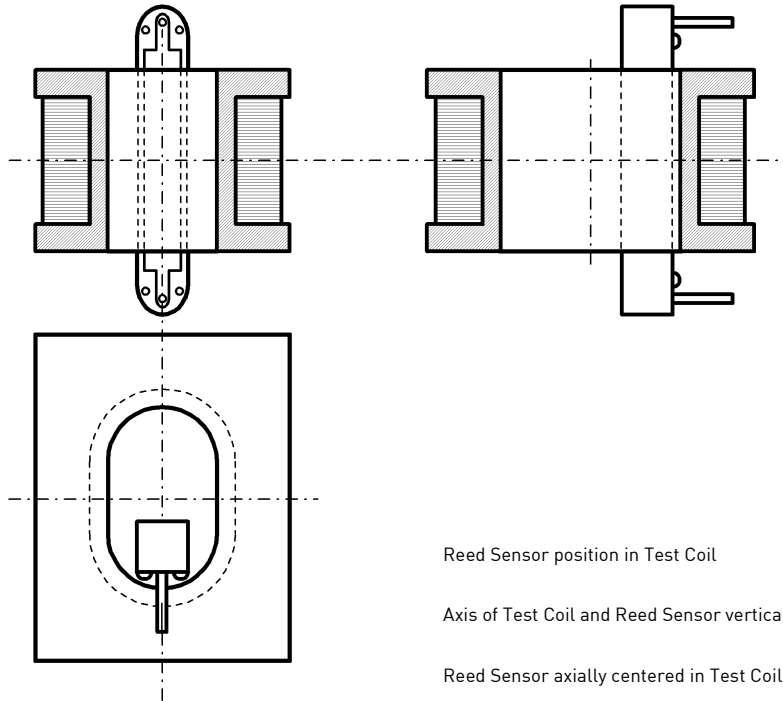
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Material Information

	Material	Colour
Housing	PA-GF	black
Potting compound	Epoxy	black

Test Procedure of final Reed Sensor



- Reed Sensor position in Test Coil
- Axis of Test Coil and Reed Sensor vertical
- Reed Sensor axially centered in Test Coil
- Leads of Reed Sensor fixed by test jig

Test Parameters

Test coil	TC-307
Test programs	
AT range	Test program
1 =	MS-106-3-1
2 =	MS-106-3-2
3 =	MS-106-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-106-3 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.