

MS-324R-3



MS-324R-3

Micro Miniature Reed Sensor
Flatpack

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 ¹⁰

Features

- Adjustable switching point
- Cable exit right
- Compact size
- 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	014
Test equipment tolerance	± AT	2

Approvals



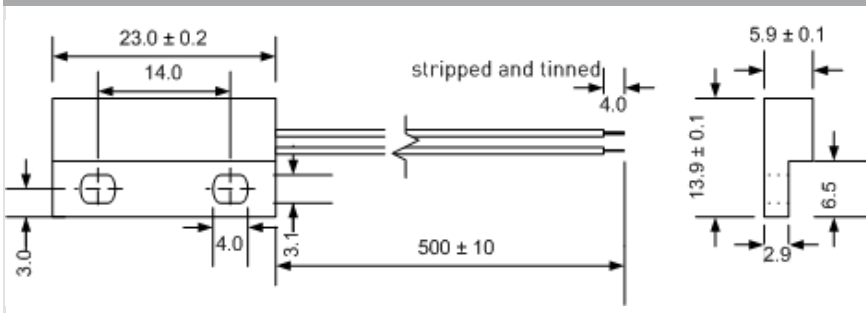
Operating Characteristics (of unmodified Reed Switch) @ 25 °C

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	5.3 g
Weight per package	270 g
Standard AT Ranges	
	1 = 10 to 15 AT
	2 = 15 to 20 AT
	3 = 20 to 25 AT

Ordering Example

MS-324R-3-2 describes MS-324R-3 with 15 to 20 AT.

MS-324R-3



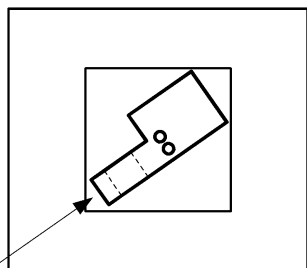
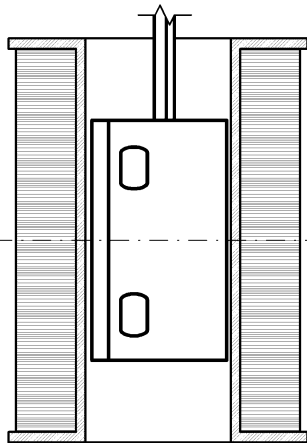
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Material Information

	Material	Colour
Housing	ABS	black
Cable	UL 1007/1569, AWG 24, 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-324
Test programs	
AT range	Test program
1 =	MS-324-3-1
2 =	MS-324-3-2
3 =	MS-324-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-324R-3 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-324 available as well.