

MS-324-5



MS-324-5

Mains switching Reed Sensor
Flatpack

Electrical Characteristics @ 25 °C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	260
Switching current max.	A	0.3
	Carry current max.	A
Breakdown voltage min.	VDC	400
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 ¹⁰

Features

- Miniature Flatpack mains voltage
- Adjustable switching point
- Various sensitivity ranges available
- Customized types available

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

Pull in range available	AT	15 - 30
Drop out min.	AT	4
Test coil	TC	200
Test equipment tolerance	± AT	2

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

Switching frequency max.	Hz	400
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	0.6
Release time max.	ms	0.2

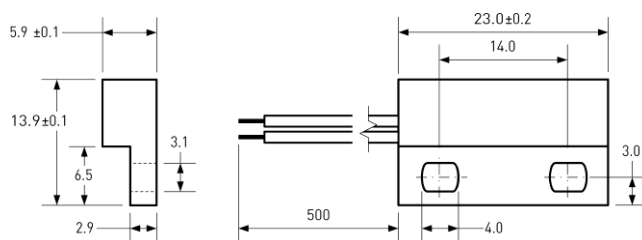
Environmental Characteristics

Operating temperature	°C	-20 to +85
Vibration (50-2000 Hz)	g	30
Shock (1/2 sin 11 ms)	g	100

Approvals



Dimensions in mm



Ordering Information

Packing Unit	50 pcs
Weight per piece	5.3 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-324-5-2 describes MS-324-5 with 15 to 20 AT.

MS-324-5



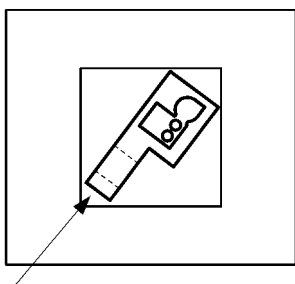
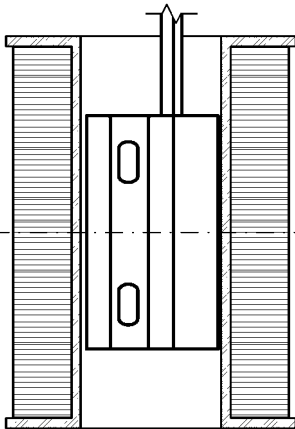
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Material Information

	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
2 =	MS-324-5-2
3 =	MS-324-5-3
4 =	MS-324-5-4

Remarks

When mounted onto ferromagnetic parts
switching distance of MS-324-5
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.