

MS-390-3



MS-390-3

Snap-fit Miniature Reed Sensor

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
Breakdown voltage min.	VDC	240
Total resistance max. (initial)	mΩ	180
Insulation resistance min.	Ω	10 ¹⁰

Features

- Easily mountable and removable as no tools or screws required
- 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



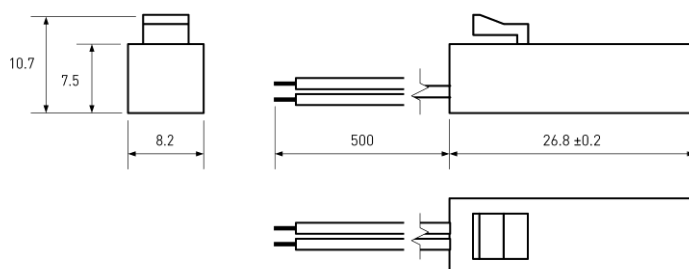
Operating Characteristics (of unmodified Reed Switch) @ 25 °C

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	25 pcs
Weight per piece	6.2 g
Weight per package	170 g

Standard AT Ranges

- 1 = 10 to 15 AT
- 2 = 15 to 20 AT
- 3 = 20 to 25 AT

Ordering Example

MS-390-3-2-0500 describes MS-390-3 with 15 to 20 AT.

MS-390-3



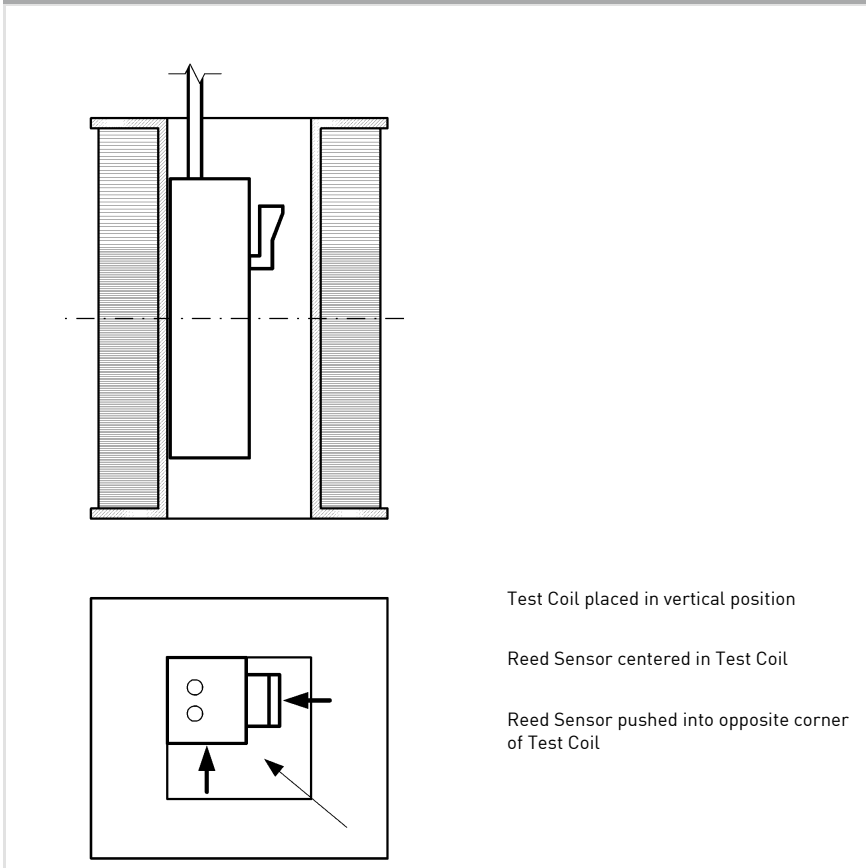
MS-390-3

Snap-fit Miniature Reed Sensor

Material Information

	Material	Colour
Housing	PC	black
Cable	UL 1007, AWG 22, 4 mm stripped and tinned	black
Potting compound	Epoxy	black

Test Procedure of final Reed Sensor



Test Parameters

Test coil	TC-324
Test programs	
AT range	Test program
1 =	MS-390-3-1
2 =	MS-390-3-2
3 =	MS-390-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-390-3 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-390 available as well.