

MS-313-3



MS-313-3

World's smallest Reed Sensor
Flatpack

Electrical Characteristics

@ 25 °C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	150
	VAC	120
Switching current max.	A	0.5
Carry current max.	A	0.7
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	400
Insulation resistance min.	Ω	10 ⁹

Features

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

Magnetical Characteristics (of unmodified Reed Switch)

@ 25 °C

Pull in range available	AT	10 - 20
Drop out min.	AT	4
Test coil	TC -	010
Test equipment tolerance	± AT	2

Operating Characteristics (of unmodified Reed Switch)

@ 25 °C

Switching frequency max.	Hz	600
Resonant frequency typ.	Hz	12000
Operate time max. (incl. bounce)	ms	0.3
Release time max.	ms	0.1

Approvals

RoHS

REACH

Environmental Characteristics

Operating temperature	°C	-20 to + 85
Vibration (50-2000 Hz)	g	10
Shock (1/2 sin 11 ms)	g	50

Ordering Information

Packing Unit	50 pcs
Weight per piece	3.4 g
Weight per package	185 g
Standard AT Ranges	

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

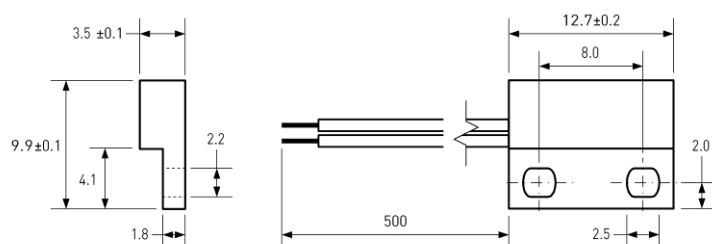
Ordering Example

MS-313-3-2-0500 describes
MS-313-3 with 15 to 20 AT.

Remarks

When mounted onto ferromagnetic parts
switching distance of MS-313-3
may reduce.
Electromagnetical influences and magnetic
fields may change the switching behaviour
of the sensor.

Dimensions in mm



Material Information

	Material	Colour
Housing	ABS	black
Potting compound	Epoxy	black
Cable	UL 1007/1569, AWG 26, 4 mm stripped and tinned	black