

MS-328-3



MS-328-3

Standard 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	150
Insulation resistance min.	Ω	10 ¹⁰

Features

- Adjustable switching point
- 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



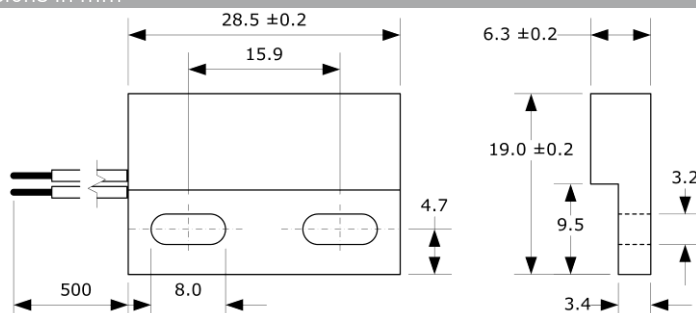
Operating Characteristics (of unmodified Reed Switch) @ 25 °C

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



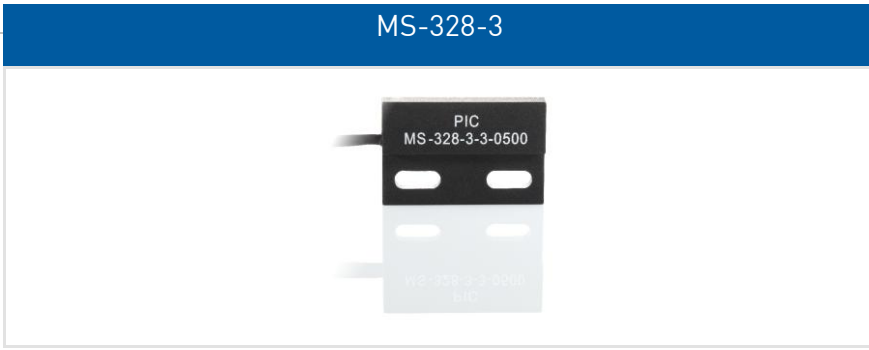
Ordering Information

Packing Unit	25 pcs
Weight per piece	10.4 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-328-3-2 describes MS-328-3 with 15 to 20 AT.

MS-328-3



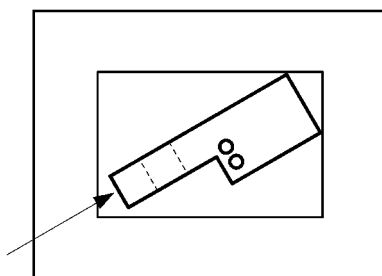
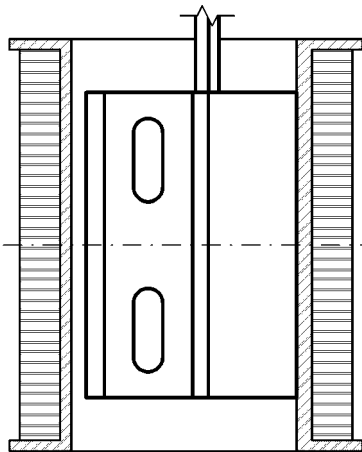
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Material Information

	Material	Colour
Housing	PA-GF	black
Cable	UL 1007/1569, AWG 20, 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-328
Test programs	
AT range	Test program
1 =	MS-328-3-1
2 =	MS-328-3-2
3 =	MS-328-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-328-3 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-328 available as well.