

## MS-328-4



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Form C Reed Sensor Flatpack

### Electrical Characteristics @ 25 °C

Contact form		C
Contact rating max.	W / VA	5
Switching voltage max.	VDC	175
	VAC	120
Switching current max.	A	0.25
	Carry current max.	A
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 <sup>9</sup>

### Features

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

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

Pull in range available	AT	15 - 30
Drop out min.	AT	5
Test coil	TC	200
Test equipment tolerance	± AT	2

### Approvals



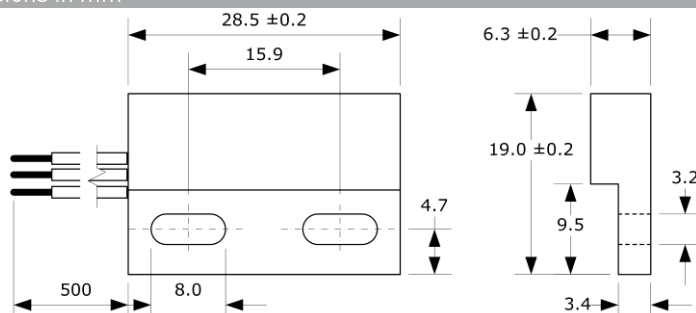
### Operating Characteristics (of unmodified Reed Switch) @ 25 °C

Switching frequency max.	Hz	100
Resonant frequency typ.	Hz	1100
Operate time max. (incl. bounce)	ms	0.7
Release time max.	ms	1

### Environmental Characteristics

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

### Dimensions in mm



### Ordering Information

Packing Unit	25 pcs
Weight per piece	9.7 g
Weight per package	255 g

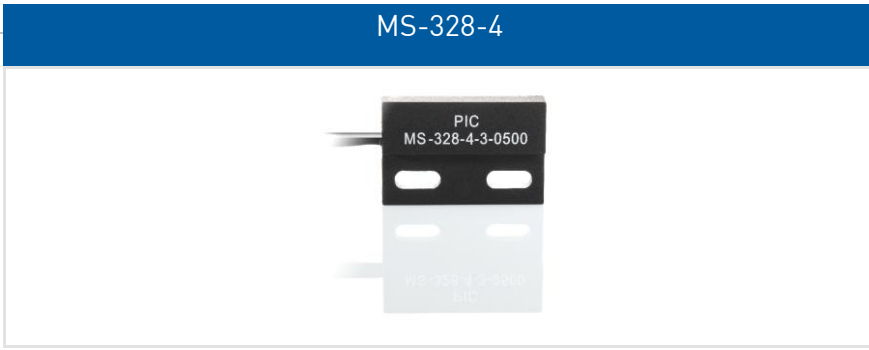
### Standard AT Ranges

2	= 15 to 20 AT
3	= 20 to 25 AT
4	= 25 to 30 AT

### Ordering Example

MS-328-4-2- describes MS-328-4 with 15 to 20 AT.

MS-328-4



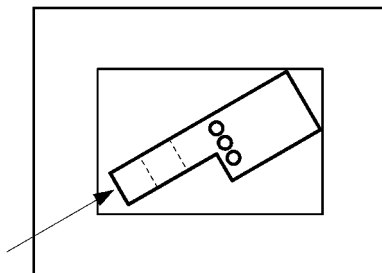
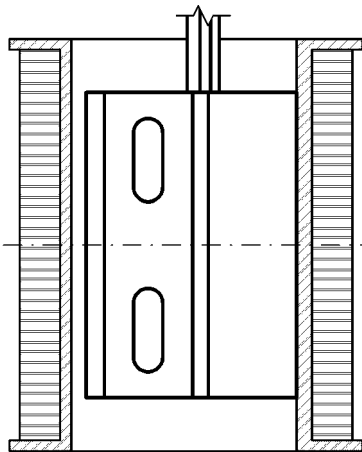
**MS-328-4**

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**Material Information**

	Material	Colour
Housing	PA-GF	black
Cable	UL 1061, AWG 22, 4 mm stripped and tinned	COM: black, NO: grey, NC: white
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
2 =	MS-328-4-2
3 =	MS-328-4-3
4 =	MS-328-4-4

**Remarks**

When mounted onto ferromagnetic parts switching distance of MS-328-4 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.