PIC
SWITCHING THE SMART WAY

MS-228M-6

Power Reed Sensor
M8 metal thread

Electrical Characteristics @ 25 °

Contact form		A
Contact rating max.	W / VA	50
Switching voltage max.	VDC	200
	VAC	250
Switching current max.	A	1.5
Carry current max.	A	2
Breakdown voltage min.	VDC	400
Total resistance max. (initial)	mΩ	300
Insulation resistance min.	Ω	10^{10}

Features

- Adjustable switching point
- Metal housing with M8 thread
- Sensor with Power Reed Switch
- Various sensitivity ranges available

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °

Pull in range available	AT	25 - 40
Drop out min.	AT	5
Test coil	TC	020
Test equipment tolerance	± AT	2

Approvals

RoHS

REACH

IP67

Contact PIC for Agency Ratings!

Operating Characteristics (of unmodified Reed Switch) @ 25 °

Switching frequency max.	Hz	300
Resonant frequency typ.	Hz	2600
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	50

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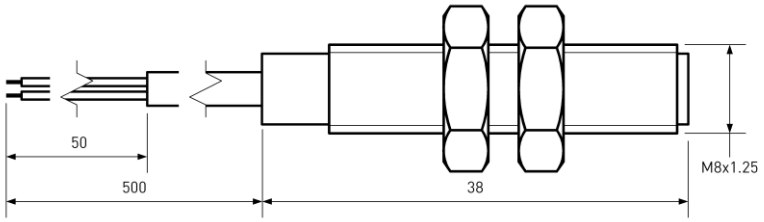
Dimensions in mm



Ordering Information

Packing Unit	25	pcs
Weight per piece	22.5	g
Weight per package	580	g
Standard AT Ranges		
4 = 25 to 30		AT
5 = 30 to 35		AT
6 = 35 to 40		AT

Ordering Example

MS-228M-6-4 describes MS-228M-6 with 25 to 30 AT.

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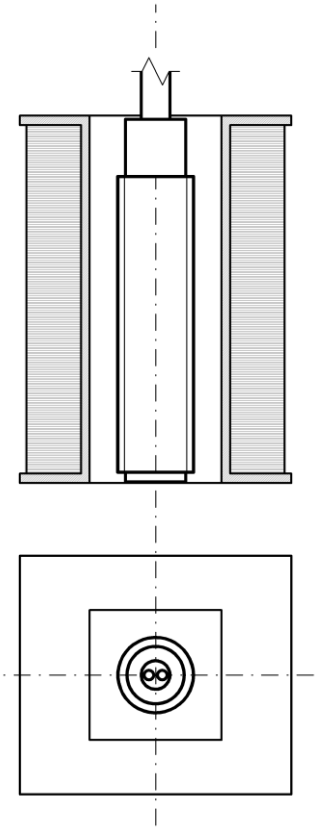
Material Information

	Material	Colour
Housing	Brass, Nickel plated	
Cable	UL 2464, AWG 24, 50 mm dismantled, 4 mm stripped and tinned	Jacket: black, wires: black and red
Potting compound	Epoxy	black
Nuts	Brass, Nickel plated, M8, 2 pcs separately packed	

Test Procedure of final Reed Sensor



Test Coil placed in vertical position

Reed Sensor axially centered in Test Coil

Measured without nuts

Test Parameters

Test coil	TC-324
Test programs	

AT range	Test program
4 =	MS-228M-6-4
5 =	MS-228M-6-5
6 =	MS-228M-6-6

Remarks

When mounted onto ferromagnetic parts switching distance of MS-228M-6 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-228M available as well.

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