PIC
SWITCHING THE SMART WAY

MS-2210M-3

Reed Sensor M10 metal thread

Electrical Characteristics @ 25 °

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	300
Insulation resistance min.	Ω	10^{10}

Features

- Adjustable switching point
- Metal housing with M10 thread
- Mechanically protected
- Various sensitivity ranges available

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °

Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	014
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	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

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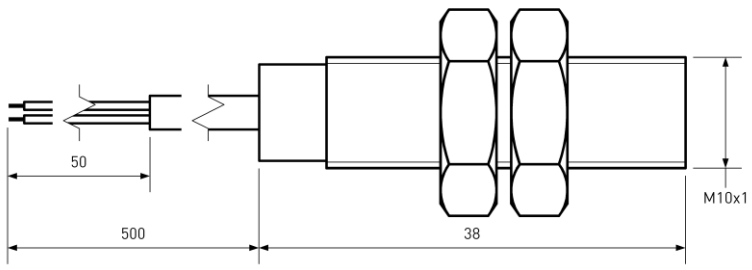
Dimensions in mm



Ordering Information

Packing Unit	25	pcs
Weight per piece	35.5	g
Weight per package	905	g
Standard AT Ranges		
	1 = 10 to 15	AT
	2 = 15 to 20	AT
	3 = 20 to 25	AT

Ordering Example

MS-2210M-3-2 describes MS-2210M-3 with 15 to 20 AT.

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MS-2210M-3

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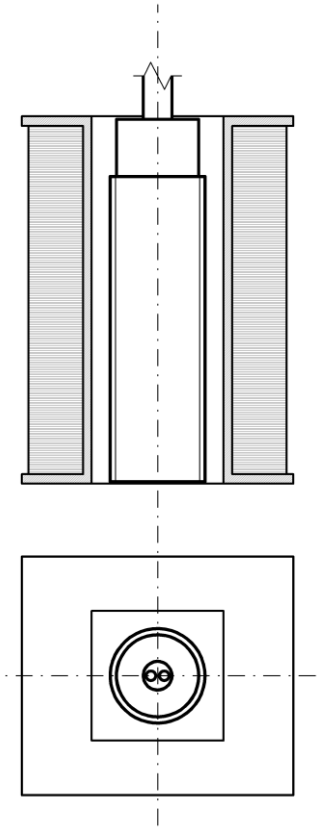
Material Information

	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, M10, 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
1 =	MS-2210M-3-1
2 =	MS-2210M-3-2
3 =	MS-2210M-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-2210M-3 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-2210M available as well.

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