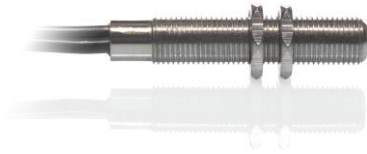


## MS-225-3






## MS-225-3

Miniature Reed Sensor  
M5 metal thread

Electrical Characteristics		@ 25 °C
Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	180
	VAC	130
Switching current max.	A	0.7
Carry current max.	A	1
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	150
Insulation resistance min.	Ω	10 <sup>9</sup>

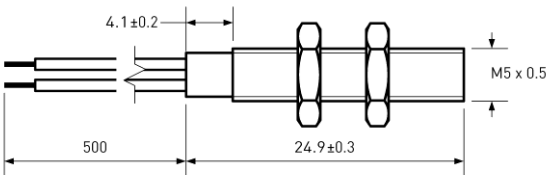
Features
➤ Adjustable switching point
➤ Metal housing with M5 thread
➤ Various sensitivity ranges available
➤ Customized types available

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	010
Test equipment tolerance	± AT	2

Approvals




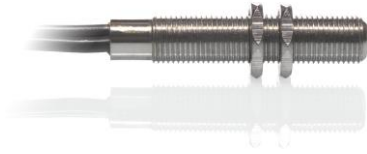
Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	5000
Operate time max. (incl. bounce)	ms	0.5
Release time max.	ms	0.3

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	50 pcs
Weight per piece	4.5 g
Weight per package	240 g
Standard AT Ranges	
	1 = 10 to 15 AT
	2 = 15 to 20 AT
	3 = 20 to 25 AT
Ordering Example	
MS-225-3-2 describes MS-225-3 with 15 to 20 AT.	

MS-225-3



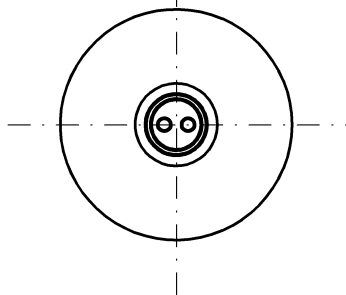
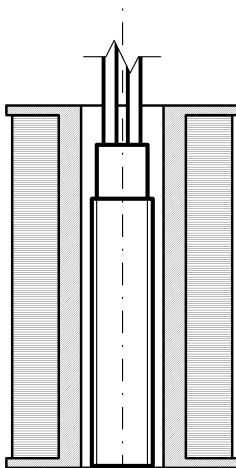
**MS-225-3**

Miniature Reed Sensor  
M5 metal thread

Material Information

	Material	Colour
Housing	Brass, Nickel plated	
Cable	UL 1061, AWG 28, 4 mm stripped and tinned	black
Potting compound	Epoxy	black
Nuts	Brass, Nickel plated, M5, 2 pcs preassembled	

Test Procedure of final Reed Sensor



- Test Coil placed in vertical position
- Reed Sensor aligns with bottom line
- Reed Sensor centered in Test Coil
- Measured without nuts

Test Parameters

Test coil	TC- 093
Test programs	
AT range	Test program
1 =	MS-225-3-1
2 =	MS-225-3-2
3 =	MS-225-3-3

Remarks

When mounted onto ferromagnetic parts switching distance of MS-225-3 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-225 available as well.