

## MS-2431-4





## MS-2431-4

Press-fit Sensor Change-over

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	1.5
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 <sup>9</sup>

Features
➤ Easily mountable and removable as no tools or screws required
➤ Replaces various competitors types
➤ Customized types available
➤ Non pole oriented actuation

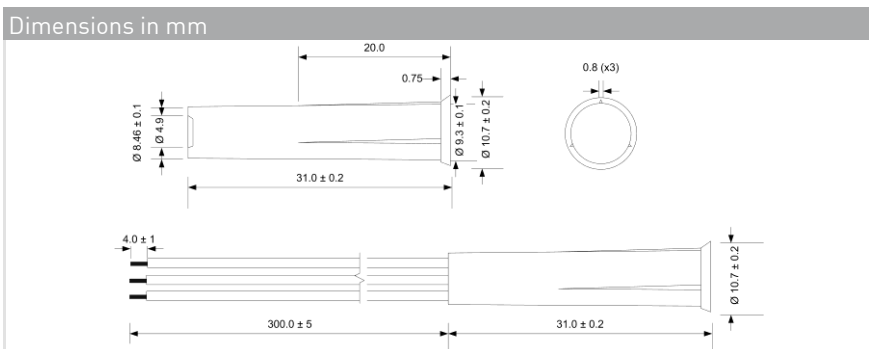
Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 30
Drop out min.	AT	6
Test coil	TC	200
Test equipment tolerance	± AT	2

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 (10-1000 Hz)	g 30
Shock (1/2 sin 11 ms)	g 50

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Ordering Information	
Packing Unit	50 pcs
Weight per piece	0 g
Weight per package	0 g
Standard AT Ranges	
1 =	10 to 15 AT
2 =	15 to 20 AT
3 =	20 to 25 AT
4 =	25 to 30 AT
Ordering Example	
MS-2431-4-1-0300 describes MS-2431 Change over with 10-15 AT	

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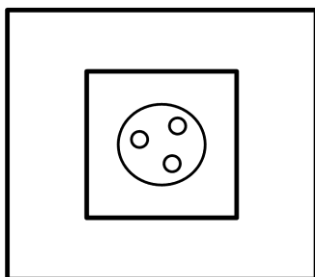
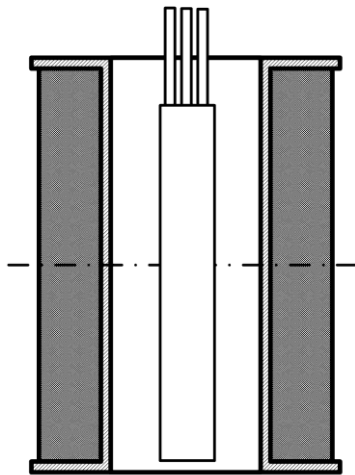
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Material Information

	Material	Colour
Housing	PA-GF	white
Cable	UL 1569 , AWG 24, 4mm stripped and tinned	black, red and brown
Potting compound	Epoxy	black

Test Procedure of final Reed Sensor



Test Parameters

Test coil	TC- 324	
Test programs		
	AT range	Test program
1 =		MS-2431-4-1
2 =		MS-2431-4-2
3 =		MS-2431-4-3
4 =		MS-2431-4-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-2431-4 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Recommended drill diameter 9.5 mm

Matching actuator MSM-... available as well.