

MS-2431-3






MS-2431-3

Press-fit Sensor

Electrical Characteristics		@ 25 °C
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	200
Insulation resistance min.	Ω	10 ¹⁰

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

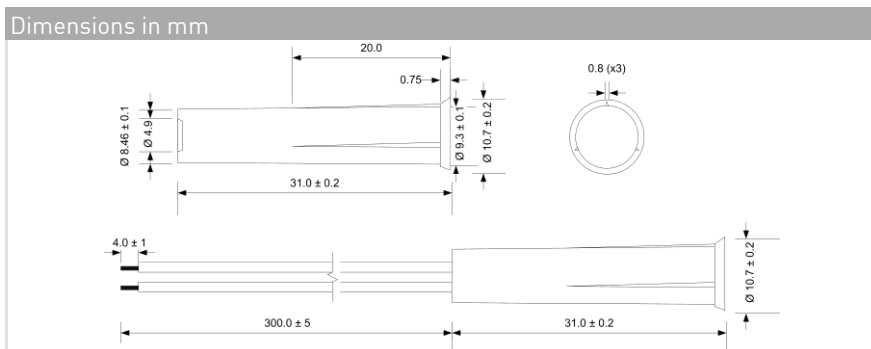
Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 25
Drop out min.	AT	4
Test coil	TC	014
Test equipment tolerance	± AT	2

Approvals




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

© PIC GmbH



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
Ordering Example	
MS-2431-3-1-0300 describes MS-2431 Form A with 10-15 AT	

MS-2431-3



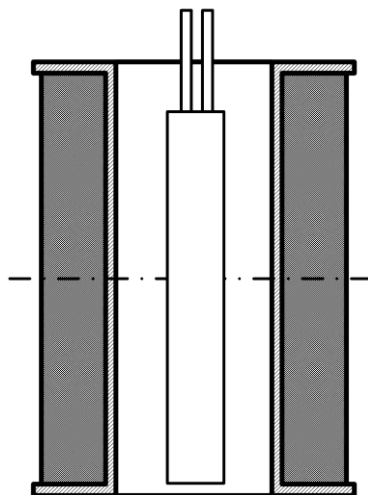
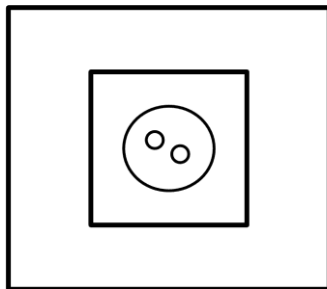
MS-2431-3

Press-fit Sensor

Material Information

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

Test Procedure of final Reed Sensor



- Test Coil placed in vertical position
- Reed Sensor aligns with bottom line
- Reed Sensor centered in Test Coil

Test Parameters

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

Remarks

When mounted onto ferromagnetic parts switching distance of MS-2431-3 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.