

MS-2431-3



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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

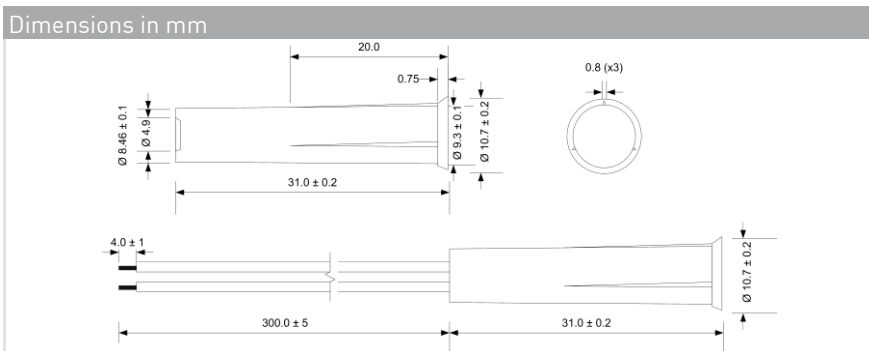
Environmental Characteristics		
Operating temperature	°C	-20 to + 85
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100

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

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.



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