

MS-216-4







MS-216-4

Form C Reed Sensor

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 ⁹

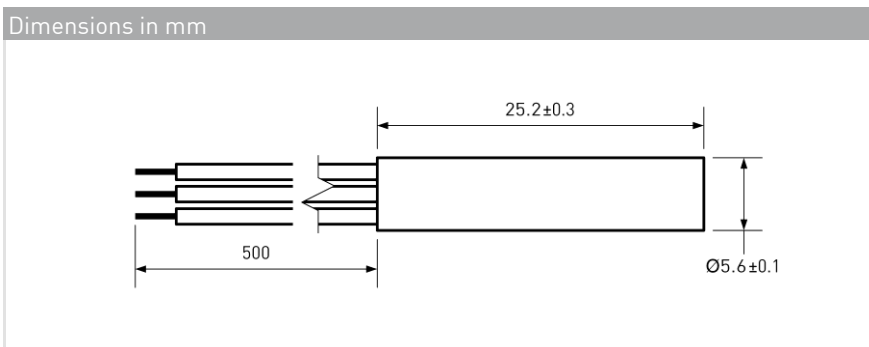
Features
➤ Compact size
➤ Mechanically protected
➤ Replaces various competitors types
➤ Customized types available

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	15 - 30
Drop out min.	AT	5
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 (50-2000 Hz)	g 30
Shock (1/2 sin 11 ms)	g 50



Ordering Information	
Packing Unit	50 pcs
Weight per piece	5.4 g
Weight per package	280 g
Standard AT Ranges	
	2 = 15 to 20 AT
	3 = 20 to 25 AT
	4 = 25 to 30 AT
Ordering Example	
MS-216-4-3 describes MS-216-4 with 20 to 25 AT.	

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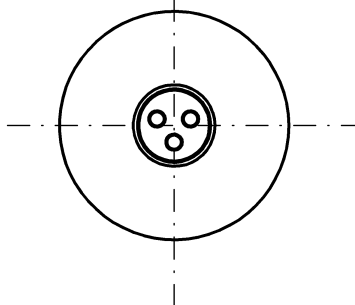
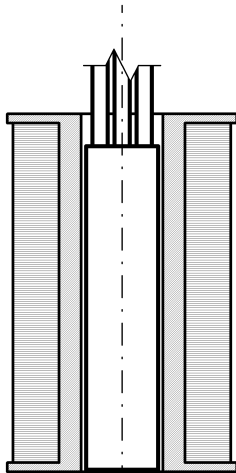


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Material Information

	Material	Colour
Housing	ABS	black
Cable	UL 1061, AWG 24, 4 mm stripped and tinned	COM: black, NO: red, NC: brown
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-093
Test programs	
AT range	Test program
2 =	MS-216-4-2
3 =	MS-216-4-3
4 =	MS-216-4-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-216-4 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.