

MS-216-5






MS-216-5

Mains switching Reed Sensor

Electrical Characteristics		@ 25 °C
Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	260
Switching current max.	A	0.3
Carry current max.	A	1.4
Breakdown voltage min.	VDC	400
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 ¹⁰

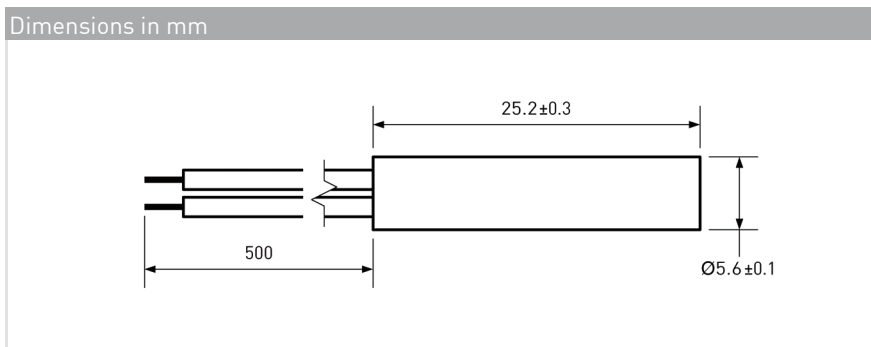
Features
➤ Mains switch inside
➤ Replaces various competitors types
➤ Various sensitivity ranges available
➤ Customized types available

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	15 - 30
Drop out min.	AT	4
Test coil	TC -	200
Test equipment tolerance	± AT	2

Approvals




Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	400
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	0.6
Release time max.	ms	0.2

Environmental Characteristics		
Operating temperature	°C	-20 to + 85
Vibration (50-2000 Hz)	g	30
Shock (1/2 sin 11 ms)	g	100



Ordering Information	
Packing Unit	50 pcs
Weight per piece	4.8 g
Weight per package	250 g
Standard AT Ranges	
	2= 15 to 20 AT
	3= 20 to 25 AT
	4= 25 to 30 AT
Ordering Example	
MS-216-5-2 describes MS-216-5 with 15 to 20 AT.	

MS-216-5

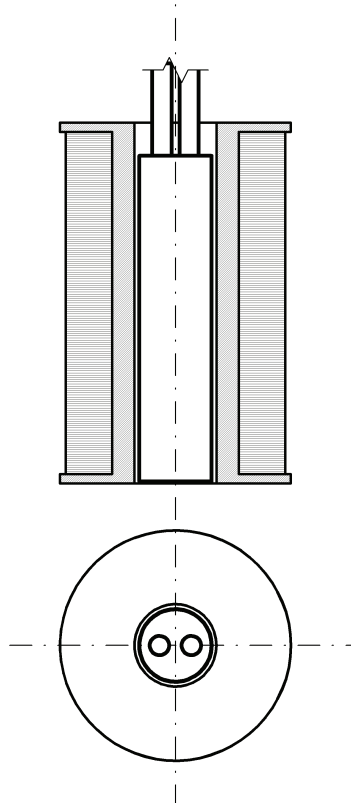


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Material Information

	Material	Colour
Housing	ABS	black
Cable	UL 1007/1569, AWG 24, 4 mm 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-093
Test programs	
AT range	Test program
2 =	MS-216-5-2
3 =	MS-216-5-3
4 =	MS-216-5-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-216-5 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.