

## MS-217-6






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Power Reed Sensor

Electrical Characteristics		@ 25 °C
Contact form		A
Contact rating max.	W / VA	50
Switching voltage max.	VDC	200
	VAC	250
Switching current max.	A	1.5
Carry current max.	A	2
Breakdown voltage min.	VDC	400
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 <sup>10</sup>

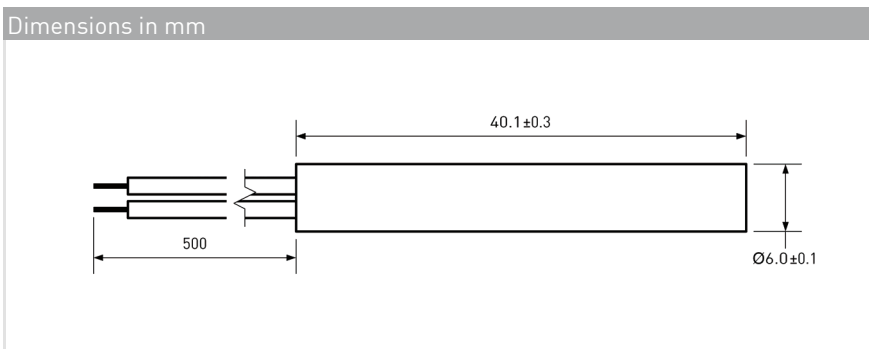
Features
➤ Sensor with Power Reed Switch
➤ Not ESD sensitive
➤ Various sensitivity ranges available
➤ Customized types available

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	25 - 40
Drop out min.	AT	5
Test coil	TC -	020
Test equipment tolerance	± AT	2

Approvals




Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	300
Resonant frequency typ.	Hz	2600
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 50



Ordering Information	
Packing Unit	50 pcs
Weight per piece	5.4 g
Weight per package	280 g
Standard AT Ranges	
	4= 25 to 30 AT
	5= 30 to 35 AT
	6= 35 to 40 AT
Ordering Example	
MS-217-6-4 describes MS-217-6 with 25 to 30 AT.	

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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
4 =	MS-217-6-4
5 =	MS-217-6-5
6 =	MS-217-6-6

**Remarks**

When mounted onto ferromagnetic parts switching distance of MS-217-6 may reduce.  
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.