

## MS-209-3






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Ultraminiature Reed Sensor

Electrical Characteristics		@ 25 °C
Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	150
	VAC	120
Switching current max.	A	0.5
Carry current max.	A	0.7
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	300
Insulation resistance min.	Ω	10 <sup>9</sup>

Features
➤ Small size
➤ Customized types available
➤ No power supply required

Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 20
Drop out min.	AT	3
Test coil	TC -	010
Test equipment tolerance	± AT	2

Approvals




Operating Characteristics (of unmodified Reed Switch)		@ 25 °C
Switching frequency max.	Hz	600
Resonant frequency typ.	Hz	12000
Operate time max. (incl. bounce)	ms	0.3
Release time max.	ms	0.1

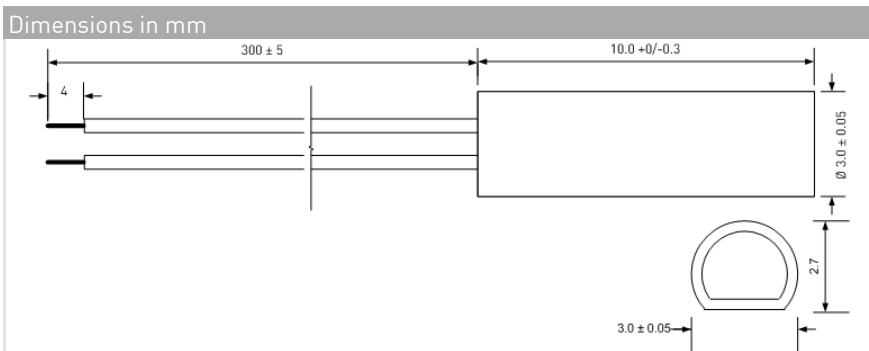
Environmental Characteristics		
Operating temperature	°C	-30 to + 80
Vibration (50-2000 Hz)	g	20
Shock (1/2 sin 11 ms)	g	100

Ordering Information	
Packing Unit	50 pcs
Weight per piece	1.55 g
Weight per package	85 g
Standard AT Ranges	

- 1 = 10 to 15 AT
- 2 = 15 to 20 AT

Ordering Example  
 MS-209-3-1 describes MS-209 with 10-15 AT

**Remarks**  
 When mounted onto ferromagnetic parts switching distance of MS-209-3 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.



Material Information		
	Material	Colour
Housing	ABS	black
Cable	UL 1685, AWG 30, 4 mm stripped and tinned	black
Potting compound	Epoxy	black