

## MS-216 Reed Sensor

### Electrical Characteristics

Contact Form (ASA) / Contact type		A / 3	C / 4
Contact rating max.	W / VA	10	3
Switching current max.	A	0.5	0.25
Carry current max.	A	1.0	1.0
Switching voltage max.	VDC	180	130
	VAC	130	100
Breakdown voltage min.	VDC	200	200
Contact resistance (initial)	mΩ	150	150
Isolation resistance min.	Ω	10 <sup>11</sup>	10 <sup>9</sup>
Capacitance typ.	pF	0.2	1.2

### Magnetical Characteristics

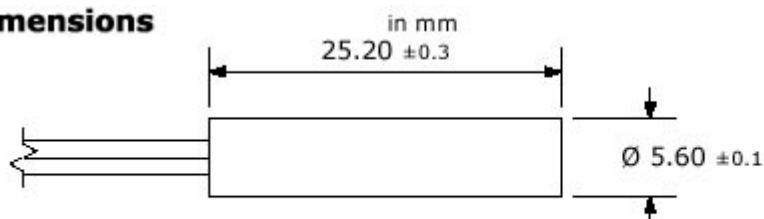
Pull in range available <sup>1</sup>	AT	10-35	15-35
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<sup>1</sup> AT range stated for **unmodified** Reed Switch; Standard range 10-15 AT; for contact type 3, 15-20 AT for contact type 4.

### Operating Characteristics

Operate time max. (incl. bounce)	ms	0.5	2.5
Release time max.	ms	0.1	0.8
Switching frequency max.	Hz	500	100
Resonate frequency max.	Hz	4,500	6,000
Vibration (50-2000 Hz)	g	30	30
Shock (1 / 2 sin 11 ms)	g	100	50
Operating temperature	°C	-40 to +85	

### Dimensions



### Cable Termination

<b>1</b> = stripped and tinned  Standard	<b>2</b> = cord end sleeves  Standard	<b>3</b> = spade terminals 2.8 x 0.8 mm  Standard
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Standard lead length 500 mm of stranded wire 2 x 0.14 mm<sup>2</sup>. Customized types upon request

### Ordering Information

Sensor type	Contact type	Cable length (cm)	Termination
MS-216	3 (Standard) or 4	yyy (Standard 50 cm)	1 (Standard), 2 or 3

**Ordering example:** MS-216-4-120-1 describes MS-216 using form C switch, 1200 mm cable length, termination stripped and tinned.

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