

MS-104-3



**MS-104-3**

Micro Reed Sensor  
pitch 10.16 mm

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	200
Insulation resistance min.	Ω	10 <sup>9</sup>

Features
➤ Ultra miniature size
➤ Mechanically protected
➤ Various sensitivity ranges available
➤ Customized types available

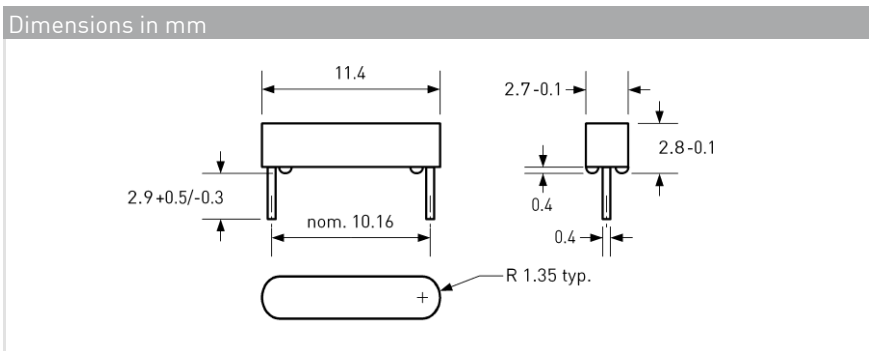
Magnetical Characteristics (of unmodified Reed Switch)		@ 25 °C
Pull in range available	AT	10 - 20
Drop out min.	AT	4
Test coil	TC -	010
Test equipment tolerance	± AT	1

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	-20 to + 85
Vibration (50-2000 Hz)	g	10
Shock (1/2 sin 11 ms)	g	50

Ordering Information	
Packing Unit	1500 pcs
Weight per piece	0.12 g
Weight per package	225 g
Standard AT Ranges	
1	= 10 to 15 AT
2	= 15 to 20 AT



Ordering Example  
MS-104-3-1 describes MS-104-3 with 10 to 15 AT.

**Remarks**  
When mounted onto ferromagnetic parts switching distance of MS-104-3 may reduce. Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.

Material Information		
Housing	Material PA6, 30%GF, with M8 thread	Colour black
Potting compound	Epoxy	black