

MS-216-4



MS-216-4

Form C Reed Sensor

Electrical Characteristics @ 25 °C

Contact form		C
Contact rating max.	W / VA	5
Switching voltage max.	VDC	175
	VAC	120
Switching current max.	A	0.25
Carry current max.	A	1.5
Breakdown voltage min.	VDC	200
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10 ⁹

Features

- > Compact size
- > Mechanically protected
- > Replaces various competitors types
- > Customized types available

Magnetical Characteristics (of unmodified Reed Switch) @ 25 °C

Pull in range available	AT	15 - 30
Drop out min.	AT	5
Test coil	TC -	200
Test equipment tolerance	± AT	2

Operating Characteristics (of unmodified Reed Switch) @ 25 °C

Switching frequency max.	Hz	100
Resonant frequency typ.	Hz	1100
Operate time max. (incl. bounce)	ms	0.7
Release time max.	ms	1

Environmental Characteristics

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

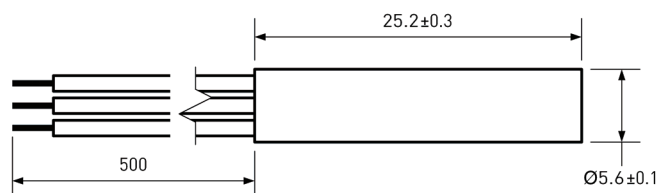
Approvals

RoHS

REACH



Dimensions in mm



Ordering Information

Packing Unit	50 pcs
Weight per piece	5.4 g
Weight per package	280 g
Standard AT Ranges	
	2= 15 to 20 AT
	3= 20 to 25 AT
	4= 25 to 30 AT

Ordering Example

MS-216-4-3 describes MS-216-4 with 20 to 25 AT.

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Material Information		
	Material	Colour
Housing	ABS	black
Cable	UL 1061, AWG 24, 4 mm stripped and tinned	COM: black, NO: red, NC: brown
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-216-4-2
3 =	MS-216-4-3
4 =	MS-216-4-4

Remarks

When mounted onto ferromagnetic parts switching distance of MS-216-4 may reduce.
Electromagnetical influences and magnetic fields may change the switching behaviour of the sensor.