



PS-373R-3-0500

Ferrous Metal Detection Reed Sensor



Electrical Characteristics

@ 25°C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	140
Switching current max.	A	1.0
Carry current max.	A	1.2
Breakdown voltage min.	VDC	240
Total resistance max. (initial)	Ω	1
Insulation resistance min.	Ω	10 ¹⁰

Magnetical Characteristics (of unmodified Reed Switch)

@ 25°C

Pull in range available	AT	8 - 10
Drop out min.	AT	4
Test coil	TC	014
Test equipment tolerance	± AT	2

Operating Characteristics (of unmodified Reed Switch)

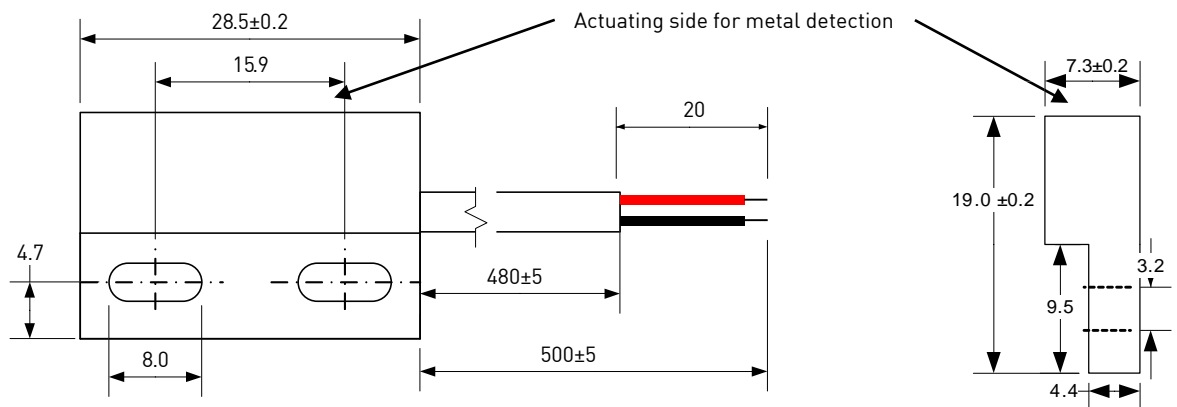
@ 25°C

Switching frequency max.	Hz	500
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	1.0
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	100

Dimensions in mm



Product image serves as example only.



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Material Information

Housing material	PA66+30%GF, black
Potting material	Epoxy
Cable information	UL2464, AWG 28, jacket black, cores red and black, length 500±5mm 20mm dismantled, core ends max. 10mm stripped and tinned

Remarks

When mounted onto ferromagnetic parts switching distance of PS-373R may reduce.
Electromagnetic influences and magnetic fields may change the switching behaviour of the sensor.

Customization of cable length and connector assembly possible
Unlike other standard Reed Sensors on actuating magnet is not required to operate the sensor