PIC
SWITCHING THE SMART WAY

MS-332E

E-Bike Sensor Flatpack

RoHS IP67 REACH

Product image serves as example only.

Electrical Characteristics @ 25°C

Contact form		A
Contact rating max.	W / VA	10
Switching voltage max.	VDC	200
	VAC	260
Switching current max.	A	0.3
Carry current max.	A	1.4
Breakdown voltage min.	VDC	400
Total resistance max. (initial)	mΩ	200
Insulation resistance min.	Ω	10^{10}

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

Pull in range available	AT	10 – 15
Drop out min.	AT	4
Test coil	TC	014
Test equipment tolerance	± AT	2

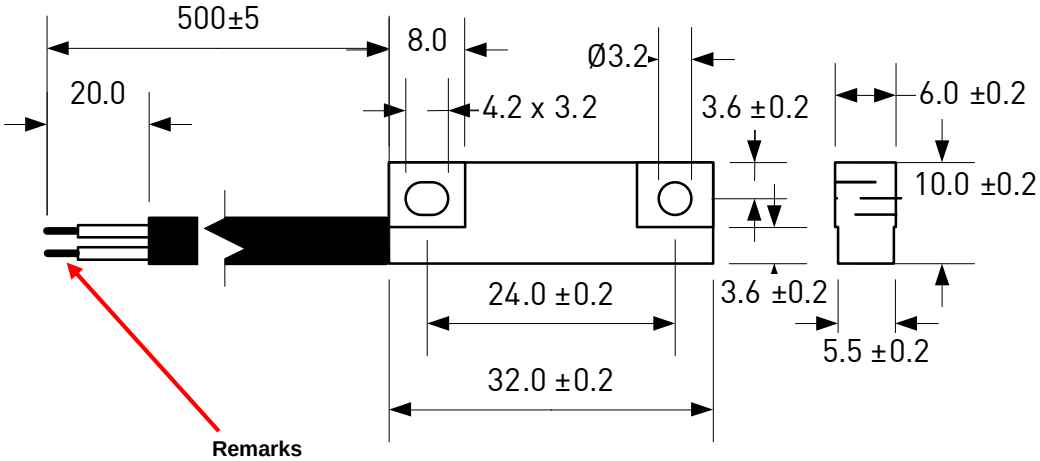
Operating Characteristics (of unmodified Reed Switch) @ 25°C

Switching frequency max.	Hz	400
Resonant frequency typ.	Hz	4000
Operate time max. (incl. bounce)	ms	0.6
Release time max.	ms	0.2

Environmental Characteristics

Operating temperature	°C	-20 to 85
Vibration (50-2000 Hz)	g	30
Shock (1/2 sin 11 ms)	g	100

Dimensions in mm



Remarks

Customizable cable length and connector possible

Matching Spoke Magnet PIC-SM115153 available as well

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Material Information

Housing material	PBT GF+30% black
Potting material	PU, black
Cable information	Coroplast black, TT3 PUR FLR9Y11Y, 2x0.35mm², dia 4.0-0.4mm, 2 cores 20 mm dismantled, max. 10mm core ends stripped

Remarks

When mounted onto ferromagnetic parts switching distance of MS-332E may reduce.
Electromagnetic influences and magnetic fields may change the switching behaviour of the sensor.

Matching actuator MSM-332 available as well.

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