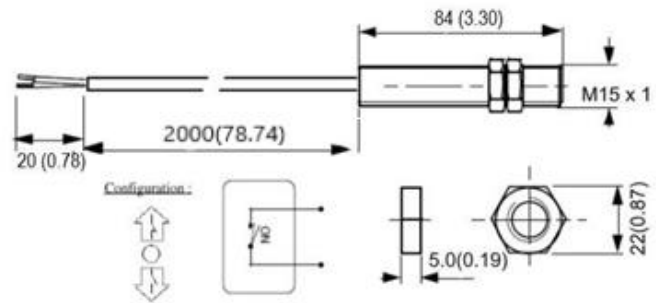




Part Number: GHT1586  
 Bi-stable Pencil Reed Switch (for Elevator, Lift) - Normally Open Contacts  
 Product Data Sheet

PRODUCT	DIMENSIONS
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Drawings not to scale.  
 All dimensions in mm (inches).

## SPECIFICATIONS

Contact Form	Form E (Normally Open)	
Contact Material	Ruthenium	
Switching Capacity	Max.	120 W/VA
Switching Voltage	Max.	250 VAC
Switching Current	Max.	3.0 A
Carrying Current	Max.	5.0 A
Dielectric Strength	Min.	800 VDC at >75 AT / 500 VDC at <75 AT
Contact Resistance	Max.	100 mΩ
Insulation Resistance	Min.	10 <sup>11</sup> Ω
Pull - In Sensitivity	30 - 130 AT	
Drop - Out Sensitivity	Min.	25 AT
Operate Time Without Bounce	Max.	3.5 ms
Bounce Time	Max.	0.5 ms
Release Time	Max.	0.20 ms
Resonant Frequency	Typ.	900 Hz
Operating Frequency	Max.	100 Hz
Vibration (10-1000Hz)	35 g	
Shock (11 ms)	50 g	
Capacitance	Typ.	0.8 pF
Operate Temperature Range	Deg.	-40°C + 125°C
Housing material	Type	Nylon

## NOTE

- Cable – 2 wires ( PVC) Grey Ø 4.1± 0.2 ( 2 x 0.5 mm<sup>2</sup> - 2 x AWG22)



## DESCRIPTION

Bi-Stable Reed Switch is a normally open passive switch that closes (operates) when a South Pole magnetic field is introduced to the sensing face. The output does not open (release) until a North Pole field is introduced. When the magnet or field is removed, these sensors will stay in the same state. The sensors will work with other magnet types, but the gap range will be dependent the size, shape, material, and grade of the magnet being detected. Testing is recommended in the actual application to determine operate gap ranges with other magnets.

The contact life is dependent on the load (= current \* voltage).

Exceeding this load will cause the sensor to fail.

These sensors have internal magnets to hold the switch open and closed. Installing the sensor with ferrous steel (or external magnets) close to these internal sensor magnets will change the output switch points. See the picture on the bottom for internal magnet location.

