

## 59170 Moulded MDSR-10 Switch



### Features

- 2 part magnetically operated proximity sensor
- Leaded and Gull Wing options
- Tape and reel option (consult Hamlin)
- Stand-offs to allow board washing
- Customer defined sensitivity
- Solder reflow capable

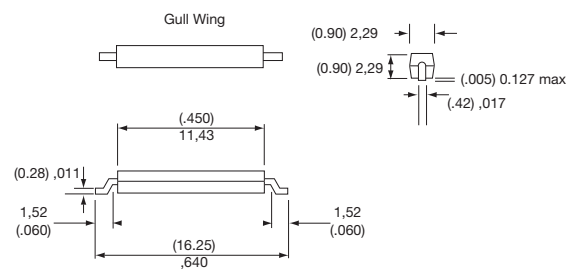
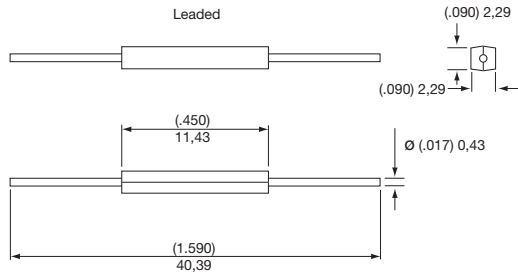
### Benefits

- Suitable for pick and place
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

### Applications

- Position and limit sensing
- Security system switch
- Door switch

## DIMENSIONS (in) mm



## SPECIFICATIONS

TABLE I			Normally Open
Contact Type			I
Switch Type			I
Power	Switching	Watt - max.	10
	Breakdown	Vdc - max.	200
Voltage	Switching	Vdc - min.	250
	Carry	A - max.	0.5
Current	Switching	A - max.	0.8
	Carry	A - max.	0.1
Resistance	Contact, Initial	Ω - max.	10 <sup>10</sup>
	Insulation	Ω - min.	0.3
Capacitance	Contact	pF - typ.	-40 to +125
	Operating	°C	-65 to +125
Temperature	Storage	°C	1.0
	Operate	ms - max.	0.5
Time	Release	ms - max.	100
	Shock	11 ms 1/2 sine	G - max.
Vibration	50-2000 Hz	G - max.	30

## CUSTOMER OPTIONS - Sensitivity and Termination Specification

TABLE 2						
Sensitivity Options:-						
Activate Distances are approximate using Hamlin 57045 actuator as illustrated Switch AT before modification						
Select Option	S	T	U			
Switch Type	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm
I Normally Open	10-15	(.295) 7.5	15-20	(.256) 6.5	20-25	(.197) 5.0



TABLE 3	
Termination and Packing Options:-	
SELECT OPTION	DESCRIPTION
A	Leaded
C	Gull Wing bulk packed
D	Gull Wing taped and reel

## ORDERING INFORMATION

