

59170 Moulded MDSR-I0 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

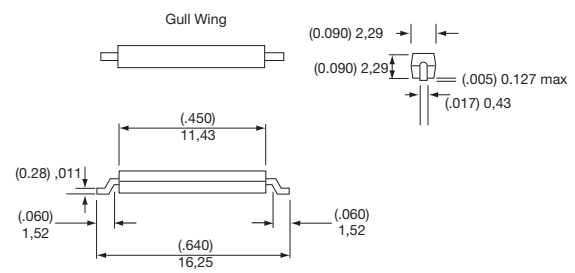
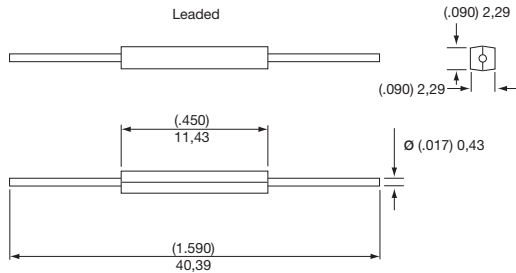
Benefits

- 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			
	Power	Watt - max.	10
Voltage	Switching	Vdc - max.	200
	Breakdown	Vdc - min.	250
Current	Switching	A - max.	0.5
	Carry	A - max.	0.8
Resistance	Contact, Initial	Ω - max.	0.1
	Insulation	Ω - min.	10^9
Capacitance	Contact	pF - typ.	0.3
Temperature	Operating	$^{\circ}\text{C}$	-40 to +125
	Storage	$^{\circ}\text{C}$	-65 to +125
Time	Operate	ms - max.	1.0
	Release	ms - max.	0.5
Shock	11ms 1/2 sine	G - max.	100
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

