

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

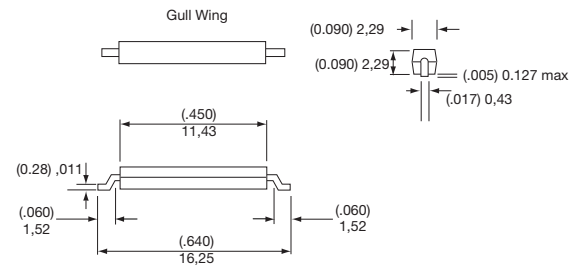
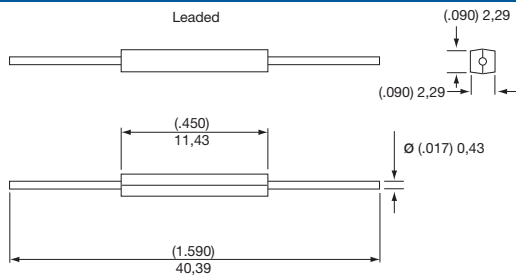
Benefits

- 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

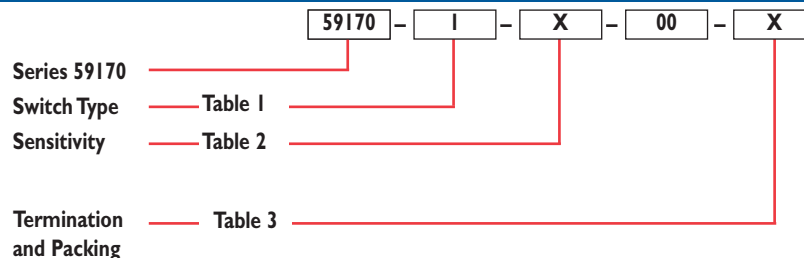
TABLE 1			Normally Open
Contact Type			I
Switch Type			
Power	Switching	Watt - max.	10
	Breakdown	Vdc - max.	200
Current	Switching	Vdc - min.	250
	Carry	A - max.	0.5
Resistance	Contact, Initial	A - max.	0.8
	Insulation	Ω - max.	0.1
Capacitance	Contact	Ω - min.	10 ⁰
		pF - typ.	0.3
Temperature	Operating	°C	-40 to +125
	Storage	°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



Hamlin USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com
 Hamlin UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com
 Hamlin Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com
 Hametrol France Tel: +33(0) 1 6047 3000 • Fax: +33(0) 1 6015 9136 • Email: sales.fr@hamlin.com

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