

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

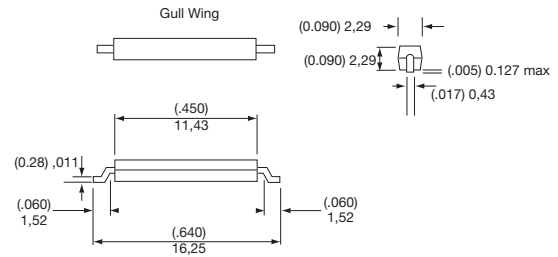
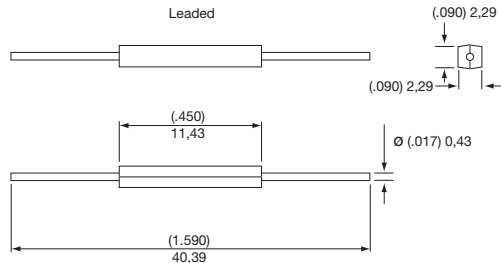
Benefits

- 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

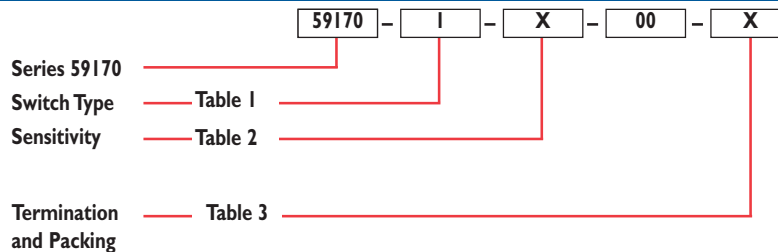
TABLE I Contact Type			Normally Open
Switch Type			I
Voltage	Power	Watt - max.	10
	Switching	Vdc - max.	200
Current	Breakdown	Vdc - min.	250
	Switching	A - max.	0.5
Resistance	Carry	A - max.	0.8
	Contact, Initial	Ω - max.	0.1
Capacitance	Insulation	Ω - min.	10 ¹⁰
	Contact	pF - typ.	0.3
Temperature	Operating	°C	-40 to +125
	Storage	°C	-65 to +125
Time	Operate	ms - max.	1.0
	Release	ms - max.	0.5
Shock	I lms I/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
Hamectrol France Tel: +33(0) 1 6047 3000 • Fax: +33(0) 1 6015 9136 • Email: sales.fr@hamlin.com

Issue No:2 Date:01.07.07 DCR B5306

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