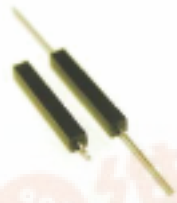


59170 Moulded MDSR-10 Switch



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

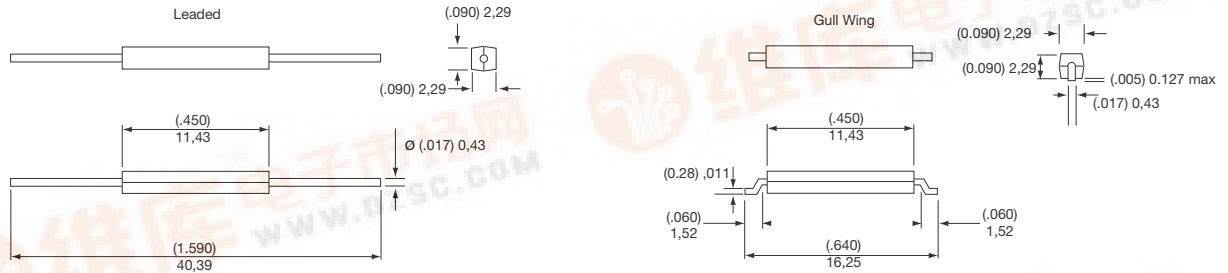
Benefits

- 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

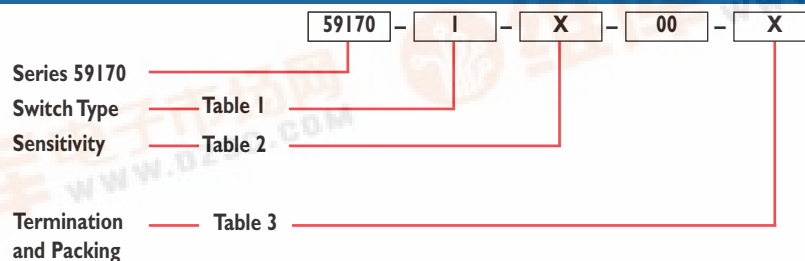
TABLE 1			Normally Open
Contact Type			I
Switch Type			10
Voltage	Power	Watt - max.	200
	Switching	Vdc - max.	250
Current	Breakdown	Vdc - min.	0.5
	Switching	A - max.	0.8
Resistance	Carry	A - max.	0.1
	Contact, Initial	Ω - max.	10^0
Capacitance	Insulation	Ω - min.	0.3
	Contact	pF - typ.	-40 to +125
Temperature	Operating	$^{\circ}$ C	-65 to +125
	Storage	$^{\circ}$ C	1.0
Time	Operate	ms - max.	0.5
	Release	ms - max.	100
Shock	1 ms 1/2 sine	G - max.	30
Vibration	50-2000 Hz	G - max.	

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
 Hamletrol France Tel: +33(0) 1 6047 3000 • Fax: +33(0) 1 6015 9136 • Email: sales.fr@hamlin.com

INFORMATION PROVIDED ON THIS DATA SHEET IS PROVIDED FOR INFORMATION PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS BEING ACCURATE FOR ANY PARTICULAR PURPOSE. Product performance may be affected by the application to which the product is put. Upon request, HAMLIN will assist purchasers by providing information specific to any particular application. HAMLIN disclaims any and all liability whatsoever for any purchaser's reliance upon the information contained on this data sheet without further consultation with authorised representatives of HAMLIN.



This datasheet has been downloaded from:

www.EEworld.com.cn

Free Download

Daily Updated Database

100% Free Datasheet Search Site

100% Free IC Replacement Search Site

Convenient Electronic Dictionary

Fast Search System

www.EEworld.com.cn