

File E61760(N)

59160 Surface Mount Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Surface mount technology on to printed circuit board
- J Foot & Gull Wing options
- Tape and reel option (consult Hamlin)
- Moulded stand-off to allow board washing
- Customer defined sensitivity
- Sensor solder reflow capable

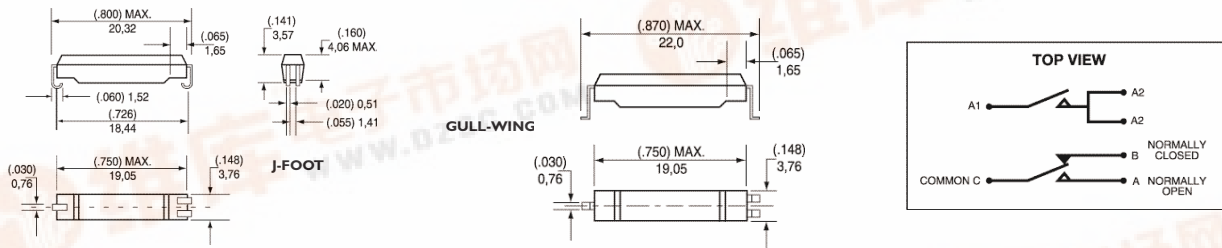
Benefits

- 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



CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Change Over
Contact Type				
Switch Type			1	3
Voltage	Power	Watt - max.	10	5
	Switching	Vdc - max.	200	175
Current	Breakdown	Vdc - min.	250	200
	Switching	A - max.	0.5	0.25
Resistance	Carry	A - max.	1.2	1.5
	Contact, Initial	Ω - max.	0.2	0.2
Capacitance	Insulation	Ω - min.	10 ⁹	10 ⁹
	Contact	pF - typ.	0.3	0.3
Temperature	Operating	°C	-40 to +105	-40 to +105
	Storage	°C	-65 to +105	-65 to +105
Time	Operate	ms - max.	1.0	3.0
	Release	ms - max.	1.0	3.0
Shock	11 ms 1/2 sine	G - max.	100	50
Vibration	50-2000 Hz	G - max.	30	30

CUSTOMER OPTIONS - Sensitivity and Termination Specification

TABLE 2

Sensitivity Options:-
Activate Distances are approximate using Hamlin 57050 actuator as illustrated Switch AT before modification

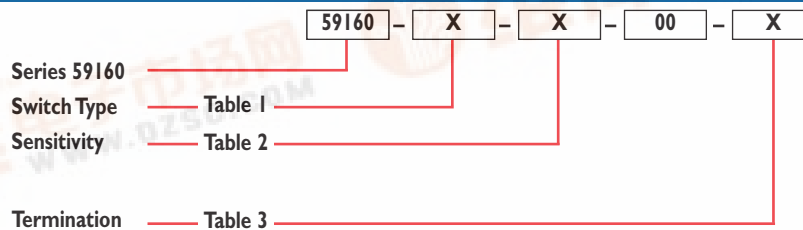
Switch Type	S		T		U	
	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm
1 Normally Open	10-15	(.157) 4.0	15-20	(.098) 2.5	20-25	(.079) 2.0
3 Change Over	15-20	(.118) 3.0	20-25	(.079) 2.0	25-30	(.059) 1.5

TABLE 3

Termination Options:-

SELECT OPTION	DESCRIPTION
A	J Foot bulk packed
B	J Foot tape and reel
C	Gull Wing bulk packed
D	Gull Wing tape 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) 6181 953660 • Fax: +49 (0) 6181 953666 • Email: sales.de@hamlin.com
 Hamletrol France Tel: +33 (0) 1 4687 0202 • Fax: +33 (0) 1 4686 6786 • Email: sales.fr@hamlin.com

DETAILS PROVIDED ON THIS DATA SHEET ARE 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