



**File E61760(N) 59065 and 59070 Threaded Barrel rel Features and Benefits**



**Features**

- 2 Part Magnetically Operated Proximity Sensor
- Threaded barrel with retaining nuts
- Available as M8 or 5/16 size options
- 304mm (12") lead outs

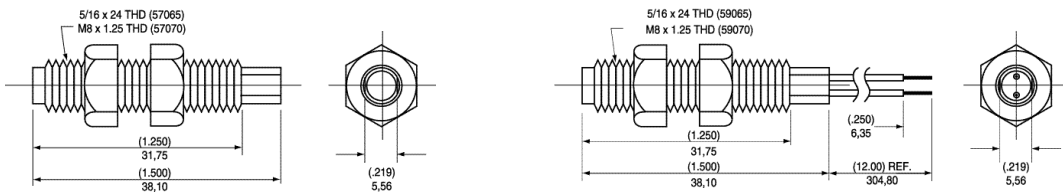
**Benefits**

- Simple installation and adjustment using supplied retaining nuts
- 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
- Simple installation and adjustment

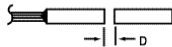
**Applications**

- Position and limit sensing
- Security system switch
- Linear actuators
- Industrial process control

**DIMENSIONS**



**Recommended Activating Positions:**



Sensors and Matching Actuators (Note 2)		Actuator		Sensor		
Must Actuate	Must Release					
.150 (3,81)	.800 (20,32)	57065-000	59065-010	59065-020	59065-030	59065-040
.150 (3,81)	.800 (20,32)	57070-000	59070-010	59070-020	59070-030	59070-040

Electrical Specifications and Operating Characteristics			Form A SPST-NO Standard	Form A SPST-NO High Voltage	Form C SPDT-CO Standard	Form B SPST-NC Standard
Contact Rating		Watt - max.	10	10	5	5
Voltage	Switching	Vdc - max.	200	300	175	175
	Breakdown	Vdc - min.	250	450	200	200
Current	Switching	A - max.	0.5	0.5	0.25	0.25
	Carry	A - max.	1.2	1.5	1.5	1.5
Resistance	Contact, Initial	- max.	0.2	0.2	0.2	0.2
	Insulation	- min.	10 <sup>0</sup>	10 <sup>0</sup>	10 <sup>0</sup>	10 <sup>0</sup>
Capacitance	Contact	p F - typ.	0.3	0.2	0.3	0.3
Temperature	Operating	°C	-40 to + 105	-20 to + 105	-40 to + 105	-40 to + 105
	Storage	°C	-65 to + 105	-65 to + 105	-65 to + 105	-65 to + 105
Time	Operate	ms - typ.	1.0	1.0	1.0	1.0
	Release	ms - typ.	1.0	1.0	1.0	1.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

- Notes: 1. Flying Leads are 24 AWG 7/32 PVC, 105 deg. C., UL 1569. Leads are stripped .250 (6,35), untinned.  
 2. Order Actuators as a separate item.  
 3. Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.

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.

**Breed Electronics USA** Tel: 001 920 648 3000 • Fax: 001 920 648 3001 • Email: sales@hamlin.com  
**Breed Electronics UK** Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: uksales@breedtech.com  
**Breed Electronics Germany** Tel: +49 (0) 6181 953660 • Fax: +49 (0) 6181 9536666 • Email: hamlin-electronics.de@breedtech.com  
**Breed Electronics France** Tel: +33 1 46 87 02 02 • Fax: +33 1 46 86 67 86 • Email: hamectrol@hamectrol.fr

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View 59065-010 on WIN SOURCE](#)

 [Littelfuse Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management