

File E61760(N)

## 59065 and 59070 Threaded Barrel Features and Benefits



### Features

- 2 part magnetically operated proximity sensor
- Threaded barrel with retaining nuts
- Available as M8 (57070/59070) or 5/16 (57065/59065) size options
- 305mm (12") lead outs

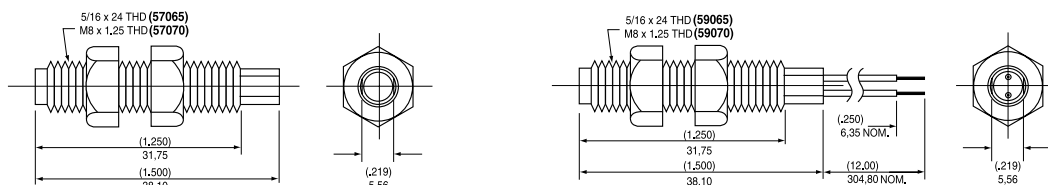
### Benefits

- 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

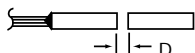
### Applications

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

## DIMENSIONS (in) mm



## 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	$\Omega$ - max.	0.2	0.2	0.2	0.2
	Insulation	$\Omega$ - min.	10 <sup>9</sup>	10 <sup>9</sup>	10 <sup>9</sup>	10 <sup>9</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.

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