

**File E61760(N) 59065 & 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
- Customer defined sensitivity
- Choice of cable length and connector

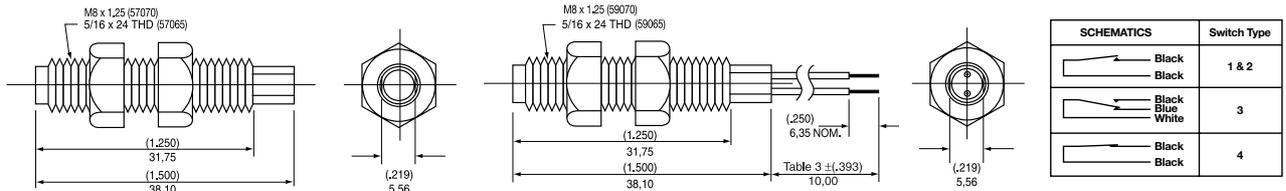
**Benefits**

- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- Simple installation and adjustment

**Applications**

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

**DIMENSIONS (in) mm**



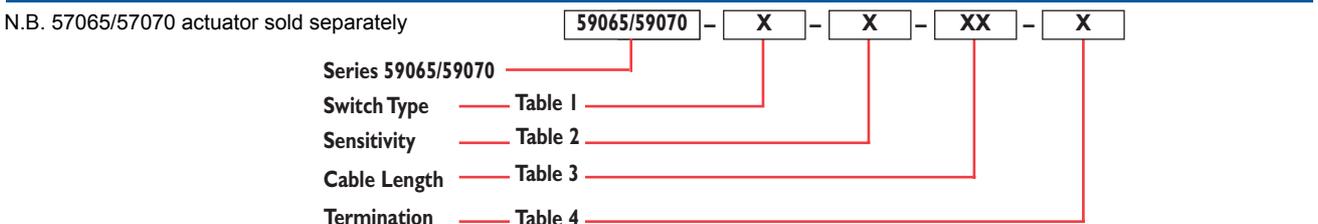
**CUSTOMER OPTIONS - Switching Specifications**

TABLE I			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type	Power	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	Ω - max.	0.2	0.2	0.2	0.2
	Insulation	Ω - min.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>7</sup>	10 <sup>7</sup>
Capacitance	Contact	pF - 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 - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

**CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification**

TABLE 2								TABLE 3		TABLE 4		
<p><b>Sensitivity Options:-</b> Activate Distances are approximate using Hamlin 57065/57070 actuator as illustrated Switch AT before modification</p>								<p><b>Cable Type:-</b> 24 AWG 7/32 PVC 105°C UL1430/UL1569</p> <p>Standard Lengths</p>		<p><b>Termination Options:-</b></p>		
<b>Select Option</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>SELECT OPTION</b>	<b>CABLE LENGTH (in) mm</b>	<b>SELECT OPTION</b>	<b>DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)</b>				
<b>Switch Type</b>	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	12-18	(354)	17-23	(276)	22-28	(177)	01	(3,94) 100	A or F	Tinned or untinned leads		
2 High Voltage	9,0		7,0		6,0		02	(11,81) 300	C	6.35mm fastons		
3 Change Over	(295)		(236)		(197)		03	(19,69) 500	D	AMP MTE 2.54mm pitch		
4 Normally Closed	15-20	7,5	6,0		5,0		04	(29,53) 750	E	JST XHP 2.5mm pitch		
							05	(39,37) 1000				

**ORDERING INFORMATION**



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