

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

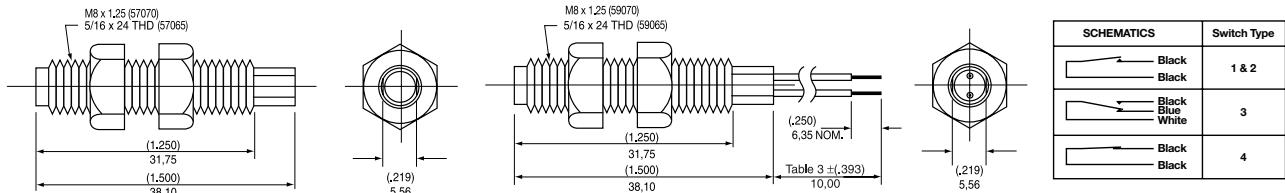
### Benefits

- 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



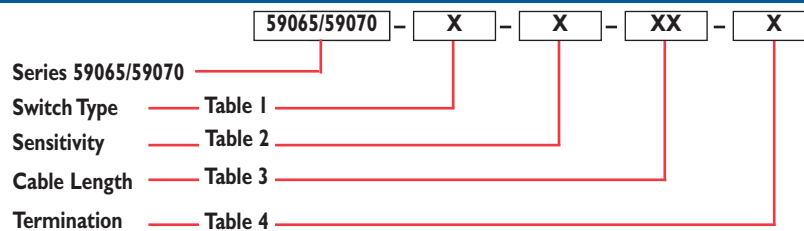
## CUSTOMER OPTIONS - Switching Specifications

TABLE 1			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
Time	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
	Operate	ms - max.	1.0	1.0	3.0	3.0
Shock	Release	ms - max.	1.0	1.0	3.0	3.0
	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	
<b>Sensitivity Options:-</b> Activate Distances are approximate using Hamlin 57065/57070 actuator as illustrated Switch AT before modification								<b>Cable Type:-</b> 24 AWG 7/32 PVC 105°C UL1430/UL1569		<b>Termination Options:-</b>	
								Standard Lengths		(2 WIRE VERSIONS ILLUSTRATED)	
Switch Type	S	T	U	V				SELECT OPTION	DESCRIPTION		
	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	Pull In AT Range	Activate Distance d (in) mm			
1 Normally Open	12-18	(.197)	17-23	(.276)	22-28	(.236)	27-33	(.177)	A or F	Tinned or untinned leads	
2 High Voltage		9.0		7.0		6.0		4.5	B	Crimped terminals	
3 Change Over		(.295)		(.236)		(.197)			C	6.35mm fastons	
4 Normally Closed	15-20	7.5	20-25	6.0	25-30	5.0			D	AMP MTE 2.54mm pitch	
									E	JST XHP 2.5mm pitch	

## ORDERING INFORMATION



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