

## 59060 Stainless Steel Threaded Barrel Features and Benefits



### Features

- 2 part magnetically operated proximity sensor
- Stainless steel threaded barrel with retaining nuts
- M8 thread
- Choice of normally open or high voltage contacts
- Customer defined sensitivity
- Choice of cable length and connector

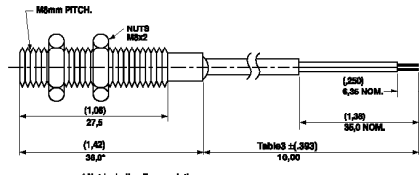
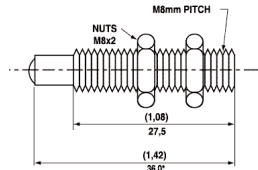
### Benefits

- Robust construction makes this sensor well suited to harsh industrial environments
- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium

### Applications

- Position and limit
- Security systems
- Linear actuator
- Industrial process control

### DIMENSIONS (in) mm



TERMINATION	Switch Type
Tinned leads	1, 2, 3, 4
Crimped terminals	3, 4
6.35mm fastons	3, 4

### CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type						
Voltage	Power	Watt - max.	10	10	5	5
	Switching	Vdc - max.	200	300	175	175
Current	Breakdown	Vdc - min.	250	450	200	200
	Switching	A - max.	0.5	0.5	0.25	0.25
Resistance	Carry	A - max.	1.2	1.5	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Capacitance	Insulation	Ω - min.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>7</sup>	10 <sup>7</sup>
	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	1 ms 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**

**Sensitivity Options:-**  
Activate Distances are approximate using Hamlin 57060 actuator as illustrated  
Switch AT before modification

Select Option	S		T		U		V	
Switch Type	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	(.472)	17-23	(.354)	22-28	(.276)	27-33	(.217)
2 High Voltage		12.0		9.0		7.0		5.5
3 Change Over	15-20	(.413)	20-25	(.295)	25-30	(.236)		
4 Normally Closed		10.5		7.5		6.0		

**TABLE 3**

**Cable Type:-**  
24 AWG 7/32 PVC 105°C DOUBLE INSULATED

Standard Lengths

SELECT OPTION	CABLE LENGTH (in) mm
01	(3.94) 100
02	(11.81) 300
03	(19.69) 500
04	(29.53) 750
05	(39.37) 1000

**TABLE 4**

**Termination Options:-**

SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)
A	Tinned leads
B	Crimped terminals
C	6.35mm fastons

### ORDERING INFORMATION

59060 - X - X - XX - X

Series 59060

Switch Type

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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