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

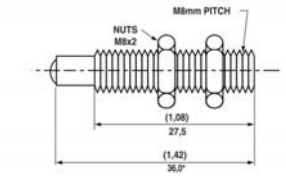
Benefits

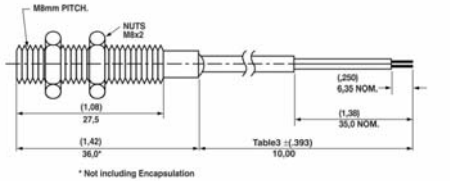
- Robust construction makes this sensor well suited to harsh industrial environments
- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium

Applications

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

DIMENSIONS (in) mm





SCHEMATICS	Switch Type
Red / Blue	1 & 2
Black / Blue / Red	3
Red / Blue	4

CUSTOMER OPTIONS - Switching Specifications

TABLE 1 Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
	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^{10}	10^{10}	10^{9}	10^{9}
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

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) 12,0	17-23	(.354) 9,0	22-28	(.276) 7,0	27-33	(.217) 5,5
2	High Voltage								
3	Change Over	15-20	(.413) 10,5	20-25	(.295) 7,5	25-30	(.236) 6,0		
4	Normally Closed								

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 or F	Tinned or untinned leads	
C	6.35mm fastons	

ORDERING INFORMATION

N.B. 57060 actuator sold separately

59060 – X – X – XX – X

- Series 59060
- Switch Type — Table 1
- Sensitivity — Table 2
- Cable Length — Table 3
- Termination — Table 4

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