

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

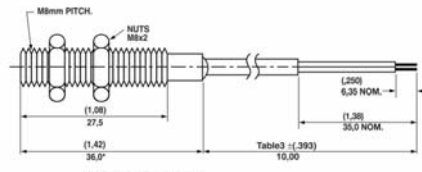
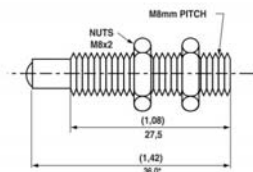
Benefits

- 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
	1 & 2
	3
	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	Power	Watt - max.	10	10	5	5
	Switching	Vdc - max.	200	300	175	175
Voltage	Breakdown	Vdc - min.	250	450	200	200
	Switching	A - max.	0.5	0.5	0.25	0.25
Current	Carry	A - max.	1.2	1.5	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Resistance	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁹	10 ⁹
	Contact	pF - typ.	0.3	0.2	0.3	0.3
Capacitance	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
Temperature	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
1 Normally Open	12-18	(472)	17-23	(354)	22-28	(276)
2 High Voltage	12-18	12.0	17-23	9.0	22-28	7.0
3 Change Over	15-20	(413)	20-25	(295)	25-30	(236)
4 Normally Closed	15-20	10.5	20-25	7.5	25-30	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 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

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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