

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

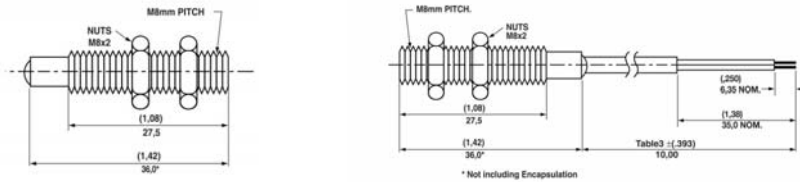
Benefits

- 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			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	Vdc - max.	200	300	175	175
Voltage	Switching	Vdc - min.	250	450	200	200
	Breakdown					
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							TABLE 3		TABLE 4		
Sensitivity Options:- Activate Distances are approximate using Hamlin 57060 actuator as illustrated before modification							Cable Type:- 24 AWG 7/32 PVC 105°C DOUBLE INSULATED		Termination Options:-		
							Standard Lengths		SELECT OPTION		DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)
Select Option	S	T	U	V			SELECT OPTION	CABLE LENGTH (in) mm	A or F	Tinned or untinned leads	
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			C	6.35mm fastons	
1 Normally Open	12-18	(.472)	17-23	(.354)	22-28	7.0	01	(3,94) 100			
2 High Voltage		12,0		9,0		7,0	02	(11,81) 300			
3 Change Over		(.413)		(.295)		(.236)	03	(19,69) 500			
4 Normally Closed	15-20	10,5	20-25	7,5	25-30	6,0	04	(29,53) 750			
							05	(39,37) 1000			

ORDERING INFORMATION

N.B. 57060 actuator sold separately



Series 59060

Switch Type

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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ISSUE No: 4 DATE: 1/5/3

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