

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

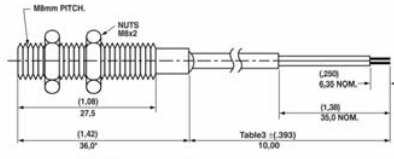
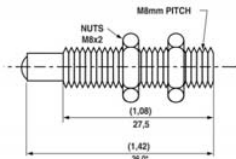
Benefits

- 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 I Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
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 ¹⁰	10 ¹⁰	10 ⁹	10 ⁹
	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 Switch AT before modification						Cable Type:- 24 AWG 7/32 PVC 105°C DOUBLE INSULATED		Termination Options:-		
						Standard Lengths		(2 WIRE VERSIONS ILLUSTRATED)		
Select Option Switch Type	S Pull In AT Range	T Activate Distance d (in) mm	U Pull In AT Range	V Activate Distance d (in) mm		SELECT OPTION	CABLE LENGTH (in) mm			
1 Normally Open 2 High Voltage 3 Change Over 4 Normally Closed	12-18 12.0 15-20	(.472) 12.0 (.413) 10.5	17-23 9.0 20-25	(.354) 9.0 (.295) 7.5	22-28 7.0 25-30 6.0	01 02 03 04 05	(3,94) 100 (11,81) 300 (19,69) 500 (29,53) 750 (39,37) 1000			

ORDERING INFORMATION

N.B. 57060 actuator sold separately



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

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