

59065 : Farnell Codes : 5440811-0823-0835-0847 sensors : 1782654 actuator

59070 : Farnell Codes : 5440859-0860-0872-0884 sensors : 1782666 actuator

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59065 & 59070 Threaded Barrel Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Threaded barrel with retaining nuts
- Available as M8 (57070/59070) or 5/16 (57065/59065) size options
- Customer defined sensitivity
- Choice of cable length and connector

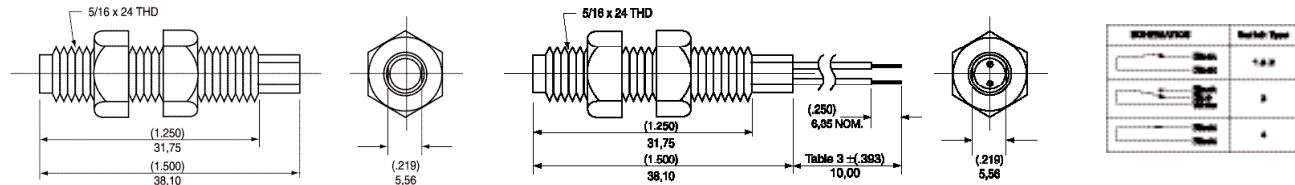
Benefits

- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- Simple installation and adjustment

Applications

- Position and limit sensing
- Security system switch
- Linear actuators
- Industrial process control

DIMENSIONS (in) mm



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
	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 57065/57070 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
1 Normally Open	12-18	(.197)	17-23	(.276)	22-28	(.236)	27-33
2 High Voltage		9.0		7.0		6.0	(.177)
3 Change Over		(.295)		(.236)		(.197)	
4 Normally Closed	15-20	7.5	20-25	6.0	25-30	5.0	

TABLE 3		TABLE 4	
Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569		Termination Options:-	
SELECT OPTION	CABLE LENGTH (in) mm	SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)
Standard Lengths		A	Tinned leads
01	(3.94) 100	B	Crimped terminals
02	(11.81) 300	C	6.35mm fastons
03	(19.69) 500	D	AMP MTE 2.54mm pitch
04	(29.53) 750	E	JST XHP 2.5mm pitch
05	(39.37) 1000		

ORDERING INFORMATION

59065/59070	-	X	-	X	-	XX	-	X
Series 59065/59070								
Switch Type	Table 1							
Sensitivity	Table 2							
Cable Length	Table 3							
Termination	Table 4							

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