

59070 Threaded Barrel Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Threaded barrel with retaining nuts
- M8 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

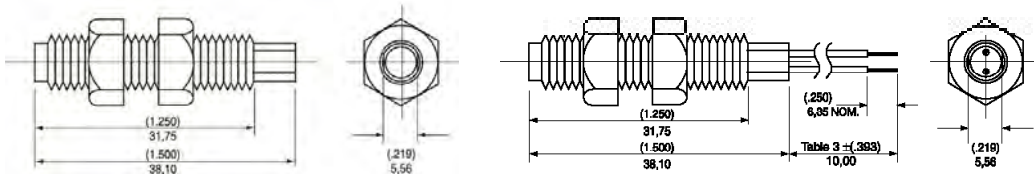
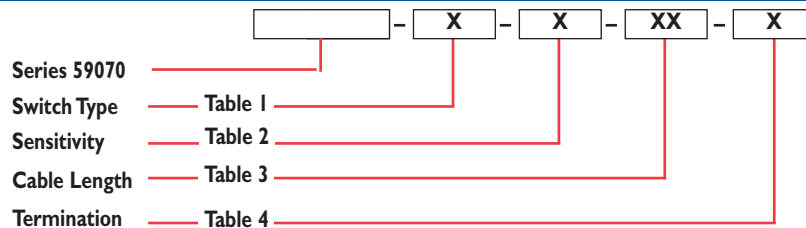


TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type						
Switch Type	Power	Watt - max.	10	10	5	5
Voltage	Switching	Vdc - max.	200	300	175	175
	Breakdown	Vdc - min.	250	450	200	200
Current	Switching	A - max.	0.5	0.5	0.25	0.25
	Carry	A - max.	1.2	1.5	1.5	1.5
Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
	Insulation	Ω - min.	10^9	10^9	10^9	10^9
Capacitance	Contact	pF - typ.	0.3	0.2	0.3	0.3
Temperature	Operating	$^{\circ}\text{C}$	-40 to +105	-20 to +105	-40 to +105	-40 to +105
	Storage	$^{\circ}\text{C}$	-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 57065/57070 actuator as illustrated Switch AT before modification								Cable Type:- 24 AWG 7/32 PVC 105 $^{\circ}\text{C}$ ULI430/ULI569		Termination Options:-			
								Standard Lengths		SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)		
Switch Type	S	T	U	V	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm	SELECT OPTION	CABLE LENGTH (in) mm			
1 Normally Open	12-18	(.197)	17-23	(.276)	22-28	(.236)	27-33	(.177)	01	(3,94) 100	A	Tinned leads	
2 High Voltage		9.0		7.0		6.0		4.5	02	(11,81) 300	B	Crimped terminals	
3 Change Over		(.295)		(.236)		(.197)			03	(19,69) 500	C	6.35mm fastons	
4 Normally Closed	15-20	7.5	20-25	6.0	25-30	5.0			04	(29,53) 750	D	AMP MTE 2.54mm pitch	
									05	(39,37) 1000	E	JST XHP 2.5mm pitch	

ORDERING INFORMATION



For pricing or any further information, please contact Omni Instruments Ltd.