

59010 Sub-Miniature Firecracker



Features

- Magnetically operated proximity sensor
- Compact size requires only 3mm diameter hole
- Choice of contact types
- Customer defined sensitivity
- Choice of cable length

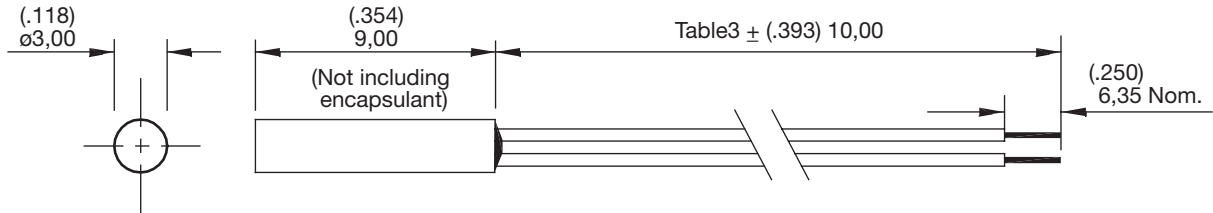
Benefits

- No standby power requirement
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination
- Simple installation and adjustment

Applications

- Position and limit sensing
- Security system switch
- Level sensing
- Linear actuators

DIMENSIONS (in) mm



SPECIFICATIONS

TABLE 1				Normally Open
Contact Type				
Switch Type				I
Contact Rating		Power	Watt - max.	5
Voltage		Switching	Vdc - max.	175
		Breakdown	Vdc - min.	200
Current		Switching	A - max.	0.35
		Carry	A - max.	0.35
Resistance		Contact, Initial	Ω - max.	0.16
		Insulation	Ω - min.	10 ¹²
Capacitance	Contact	pF - typ.		0.2
Temperature	Operating	°C		-40 to +85
		Storage	°C	-65 to +85
Time	Operate	ms - max.		0.35
		Release	us - max.	20
Shock	11ms 1/2 sine	G - max.		150
Vibration	50-2000 Hz	G - max.		10

CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2				
Sensitivity Options:- Activate Distances are approximate using Hamlin 57020 actuator as illustrated Switch AT before modification				
Select Option	S		T	
Switch Type	Pull In AT Range	Activate Distance d (in) mm	Pull In AT Range	Activate Distance d (in) mm
I Normally Open	5-10	(.236) 6.0	10-15	(.177) 4.5

TABLE 3	
Cable Length Options:- (Cable Type 30 AWG 7/38 PTFE 200°C MIL-W-16878/6)	
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	
A	Tinned leads	
F	Untinned leads	

ORDERING INFORMATION

