

## 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

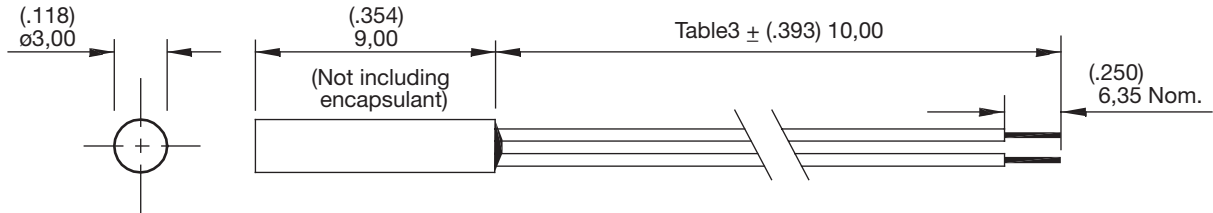
### Benefits

- 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
<b>Contact Type</b>			
Switch Type			1
Contact Rating	Power	Watt - max.	5
	Switching	Vdc - max.	175
Voltage	Breakdown	Vdc - min.	200
	Switching	A - max.	0.35
Current	Carry	A - max.	0.35
	Contact, Initial	Ω - max.	0.16
Resistance	Insulation	Ω - min.	10 <sup>12</sup>
	Contact	pF - typ.	0.2
Capacitance	Operating	°C	-40 to +85
	Storage	°C	-65 to +85
Temperature	Operate	ms - max.	0.35
	Release	us - max.	20
Time	Shock	1 lms 1/2 sine	G - max. 150
Shock	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	
	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)

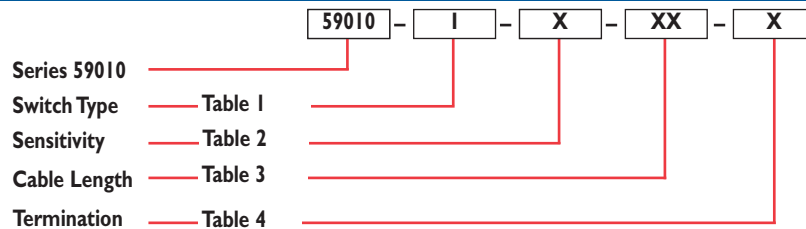
SELECT OPTION	CABLE LENGTH (in) mm
01	(3,94) 100
02	(11,81) 300
03	(19,69) 500
04	(29,53) 750
05	(39,37) 1000

**TABLE 4**

**Termination Options:-**

SELECT OPTION	DESCRIPTION
A	Tinned leads
F	Untinned leads

### ORDERING INFORMATION



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