



## 59021 Aluminium Miniature Firecracker

### Features

- 2 part magnetically operated proximity sensor
- Aluminium body
- Normally open contact
- Customer defined sensitivity
- Choice of cable length and connector

### Benefits

- Quick and easy to install
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination

### Applications

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

## DIMENSIONS (in) mm



## SPECIFICATIONS

TABLE 1			Normally Open
Contact Type			I
Switch Type			I
Voltage	Power	Watt - max.	10
	Switching	Vdc - max.	170
Current	Breakdown	Vdc - min.	175
	Switching	A - max.	0.5
Resistance	Carry	A - max.	0.5
	Contact, Initial	Ω - max.	0.2
Capacitance	Insulation	Ω - min.	10 <sup>10</sup>
	Contact	pF - typ.	0.2
Temperature	Operating	°C	-40 to +105
	Storage	°C	-65 to +105
Time	Operate	ms - max.	1.0
	Release	ms - max.	1.0
Shock	11ms 1/2 sine	G - max.	100
Vibration	50-2000 Hz	G - max.	30

## CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2						
<b>Sensitivity Options:-</b> Activate Distances are approximate using Hamlin 57020 actuator as illustrated. Switch AT before modification						
Select Option	S		T		U	
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
I Normally Open	6-10	(.236) 6,0	10-15	(.177) 4,5	13-19	(.157) 4,0

TABLE 3	
<b>Cable Length Options:-</b> (Cable Type 26 AWG 7/34 PVC 105°C UL1430/UL1569)	
Standard Lengths	
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	
D	AMP MTE 2.54mm pitch	
E	JST XHP 2.5mm pitch	
F	Untinned leads	

## ORDERING INFORMATION



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Issue No: A C Date: 05.02.09 DCR6092

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