

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

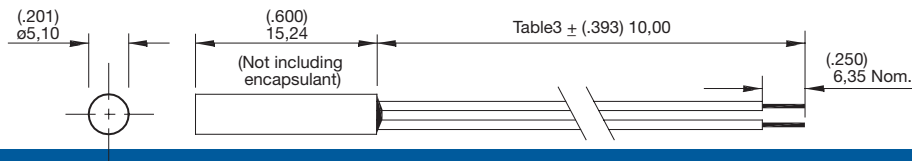
Benefits

- 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			
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 ¹⁰
	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	1 lms 1/2 sine	G - max.	100
Vibration	50-2000 Hz	G - max.	30

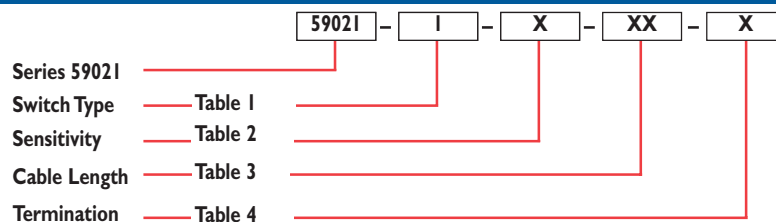
CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2						
Sensitivity Options:- Activate Distances are approximate using Hamlin 57020 actuator as illustrated. Switch AT before modification						
Select Option	S		T		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	
Cable Length Options:- (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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