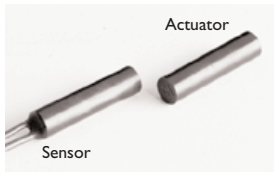


59020 Mini Firecracker Features and Benefits



Features

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

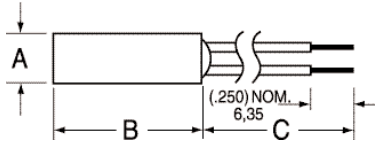
Benefits

- 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



	A Max	B Max	C NOM.
57020	(.201) 5,10	(.600) 15,24	-
59020	(.201) 5,10	(.600) 15,24	Table 3 ± (.393) 10,00

CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open
Contact Type			I
Switch Type			1
	Power	Watt - max.	3
Voltage	Switching	Vdc - max.	100
	Breakdown	Vdc - min.	170
Current	Switching	A - max.	0,25
	Carry	A - max.	0,5
Resistance	Contact, Initial	Ω - max.	0,2
	Insulation	Ω - min.	10 ⁰
Capacitance	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

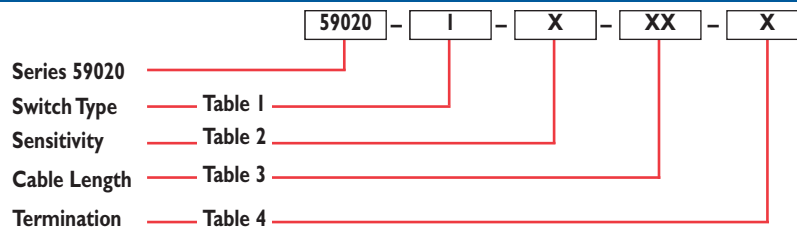
CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2						
Sensitivity Options:- Activate Distances are approximate using Hamlin 57020 actuator as illustrated. Switch AT before modification						
	S		T		U	
Select Option	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	7-15	(.216) 5,5	15-25	(.138) 3,5	25-30	(.098) 2,5

TABLE 3	
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	
B	Crimped terminals	
C	6.35mm fastons	
D	AMP MTE 2.54mm pitch	
E	JST XHP 2.5mm pitch	

ORDERING INFORMATION



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