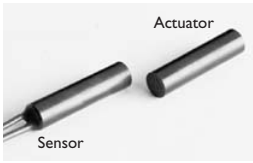


59020 Mini Firecracker Features and Benefits



Features

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

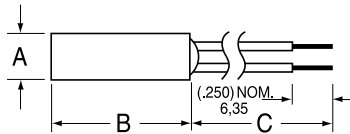
Benefits

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

CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2								TABLE 3		TABLE 4																																
Sensitivity Options:- Activate Distances are approximate using Hamlin 57020 actuator as illustrated. Switch AT before modification								Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569		Termination Options:-																																
								Standard Lengths		<table border="1"> <thead> <tr> <th>SELECT OPTION</th> <th>DESCRIPTION</th> <th></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Tinned leads</td> <td></td> </tr> <tr> <td>C</td> <td>6.35mm fastons</td> <td></td> </tr> <tr> <td>D</td> <td>AMP MTE 2.54mm pitch</td> <td></td> </tr> <tr> <td>E</td> <td>JST XHP 2.5mm pitch</td> <td></td> </tr> </tbody> </table>			SELECT OPTION	DESCRIPTION		A	Tinned leads		C	6.35mm fastons		D	AMP MTE 2.54mm pitch		E	JST XHP 2.5mm pitch																
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ORDERING INFORMATION

N.B. 57020 actuator sold separately

59020 - I - X - XX - X

- Series 59020
- Switch Type
- Sensitivity
- Cable Length
- Termination

- Table 1
- Table 2
- Table 3
- Table 4

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