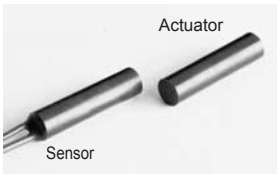


File E61760(N)

59025 Firecracker Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- UL recognised
- Choice of normally open, normally closed or change over contacts
- Customer defined sensitivity
- Choice of cable length and connector

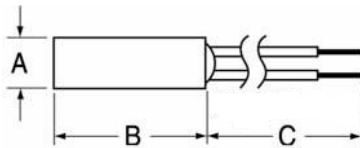
Benefits

- 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.
57025	(.245) 6,22	(1.000) 25,40	-
59025	(.245) 6,22	(1.000) 25,40	Table 3 ± (.393) 10,00

SCHEMATICS	Switch Type
	1 & 2
	3
	4

CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type						
Voltage	Power	Watt - max.	10	10	5	5
	Switching	Vdc - max.	200	300	175	175
Current	Breakdown	Vdc - min.	250	450	200	200
	Switching	A - max.	0.5	0.5	0.25	0.25
Resistance	Carry	A - max.	1.2	1.5	1.5	1.5
	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
Capacitance	Insulation	Ω - min.	10 ¹⁰	10 ¹⁰	10 ⁹	10 ⁹
	Contact	µF - typ.	0.3	0.2	0.3	0.3
Temperature	Operating	°C	-40 to +105	-20 to +105	-40 to +105	-40 to +105
	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	11ms 1/2 sine	G - max.	100	100	50	50
Vibration	50-2000 Hz	G - max.	30	30	30	30

CUSTOMER OPTIONS - Sensitivity, Cable Length and Termination Specification

TABLE 2								TABLE 3		TABLE 4																																																																					
Sensitivity Options:- Activate Distances are approximate using Hamlin 57025 actuator as illustrated before modification								Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569		Termination Options:-																																																																					
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ORDERING INFORMATION

N.B. 57025 actuator sold separately

59025 - X - X - XX - X

Series 59025

Switch Type

Sensitivity

Cable Length

Termination

Table 1

Table 2

Table 3

Table 4

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 Hamlin Germany Tel: +49 (0) 6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com
 Hamactrol France Tel: +33 (0) 1 6047 3000 • Fax: +33 (0) 1 6015 9136 • Email: sales.fr@hamlin.com

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