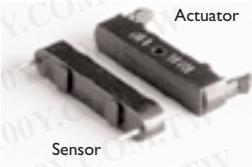


File E61760(N)

## 59045 Mini PCB Mount Features and Benefits



### Features

- 2 part magnetically operated proximity sensor
- Normally open contact configuration
- Moulded stand-offs to allow board washing
- Customer defined sensitivity

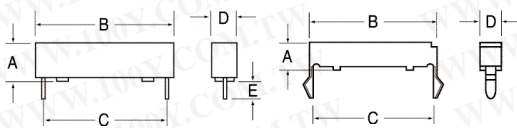
### Benefits

- Mounts directly into printed circuit board
- 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
- Simple installation and adjustment

### Applications

- Position and limit sensing
- Security system switch
- Door switch

## DIMENSIONS (in) mm



	A Max	B Max	C ± .10 (0,25)	D Max	E ± .015 (0,38)
57045	(.170) 4,32	(.700) 17,78	See Note Below	(.130) 3,3	—
59045	(.170) 4,32	(.700) 17,78	(.600) 15,24	(.130) 3,3	(.130) 3,30

Mounting: (.062) 1,57 thick board, (.125) 3,17 holes on (.540) 13,72

## CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open
Contact Type			
Switch Type			I
Power	Watt - max.		10
	Vdc - max.		200
Voltage	Switching		250
	Breakdown		0.5
Current	Switching	A - max.	1.2
	Carry	A - max.	0.2
Resistance	Contact, Initial	Ω - max.	10 <sup>10</sup>
	Insulation	Ω - min.	0.3
Capacitance	Contact	pF - typ.	
	Operating	°C	-40 to +105
Temperature	Storage	°C	-65 to +105
	Time	Operate	ms - max.
Release		ms - max.	1.0
Shock	11ms 1/2 sine	G - max.	100
Vibration	50-2000 Hz	G - max.	30

## CUSTOMER OPTIONS - Sensitivity

TABLE 2

**Sensitivity Options:-**  
Activate Distances are approximate using Hamlin 57045 actuator as illustrated  
Switch AT before modification



Switch Type	Select Option	S		T		U	
		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	15-20	(.197) 5,0	20-25	(.177) 4,5	25-30	(.157) 4,0

## ORDERING INFORMATION

59045 - I - X - 00 - 0

Series 59045

Switch Type

Sensitivity

Table 1

Table 2

Hamlin USA Tel: +1 920  
Hamlin UK Tel: +44 (0)  
Hamlin Germany Tel: +49 (0)  
Hamlectrol France Tel: +33 (0)

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

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