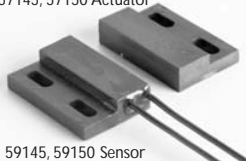


File E61760(N)

## 59145 and 59150 Flange Mount Features and Benefits

57145, 57150 Actuator



59145, 59150 Sensor

### Features

- 2 part magnetically operated proximity sensor
- Flying leads can exit either left or right hand side of the housing
- Case design allows screw down or adhesive mounting
- Customer defined sensitivity
- Choice of cable length and connector

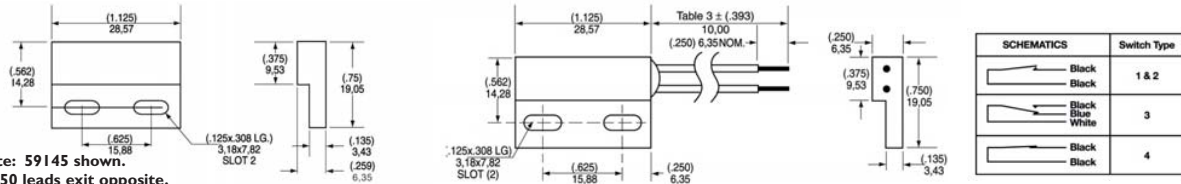
### Benefits

- 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 system switch
- Linear actuators
- Door switch

## DIMENSIONS (in) mm



Note: 59145 shown.  
59150 leads exit opposite.

SCHEMATICS	Switch Type
	1 & 2
	3
	4

## CUSTOMER OPTIONS - Switching Specifications

TABLE I Contact Type			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Switch Type			1	2	3	4
	Power	Watt - max.	10	10	5	5
Voltage	Switching	Vdc - max.	200	300	175	175
	Breakdown	Vdc - min.	250	450	200	200
Current	Switching	A - max.	0.5	0.5	0.25	0.25
	Carry	A - max.	1.2	1.5	1.5	1.5
Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2	0.2
	Insulation	Ω - min.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>9</sup>	10 <sup>9</sup>
Capacitance	Contact	pF - typ.	0.3	0.2	0.3	0.3
	Temperature	Operating	°C	-40 to +105	-20 to +105	-40 to +105
Time	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
	Operate	ms - max.	1.0	1.0	3.0	3.0
Shock	Release	ms - max.	1.0	1.0	3.0	3.0
	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																																																				
<b>Sensitivity Options:-</b> Activate Distances are approximate using Hamlin 57145/57150 actuator as illustrated. Switch AT before modification.		<b>Cable Type:-</b> 24 AWG 7/32 PVC 105°C UL1430/UL1569		<b>Termination Options:-</b>																																																				
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## ORDERING INFORMATION

N.B. 57145/57150 actuator sold separately

59145/59150 - X - X - XX - X

Series 59145/59150

Switch Type — Table 1

Sensitivity — Table 2

Cable Length — Table 3

Termination — Table 4

Hamlin USA Tel: +1 920 648 3000 • Fax: +1 920 648 3001 • Email: sales.us@hamlin.com  
 Hamlin UK Tel: +44 (0)1379 649700 • Fax: +44 (0)1379 649702 • Email: sales.uk@hamlin.com  
 Hamlin Germany Tel: +49 (0)6142 923920 • Fax: +49 (0) 6142 923921 • Email: sales.de@hamlin.com  
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