



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**File E61760(N) 59105 Terminal Flange Features and Benefits**



**Features**

- 2 Part Magnetically Operated Proximity Sensor
- Shrouded terminals accept Molex SL series connector
- Case design allows screw down or adhesive mounting
- 300mm (12") Flying leads

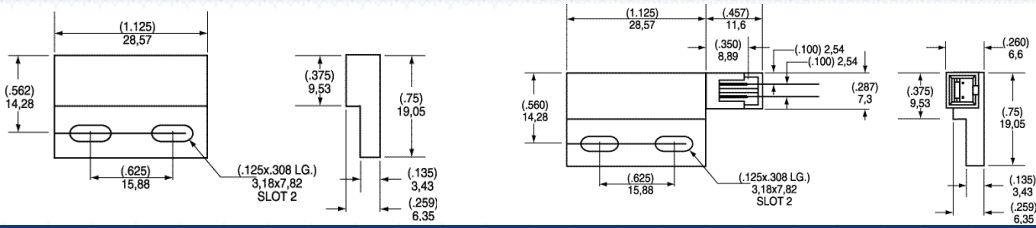
**Benefits**

- 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

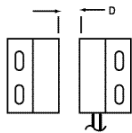
**Applications**

- Position and limit sensing
- Security system switch
- Linear actuators

**DIMENSIONS**



**Recommended Activating Positions:**



Sensors and Matching Actuators (Note 2)		Actuator		Sensor	
Must Actuate	Must Release				
.150 (3,81)	.800 (20,32)	57105-000	59105-010	59105-020	59105-030

Electrical Specifications and Operating Characteristics			Form A SPST-NO, SPST Standard	Form A SPST-NO High Voltage	Form C SPDT-CO Standard
Contact Rating		Watt - max.	10	10	5
Voltage	Switching	Vdc - max.	200	300	175
	Breakdown	Vdc - min.	250	450	200
Current	Switching	A - max.	0.5	0.5	0.25
	Carry	A - max.	1.2	1.5	1.5
Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2
	Insulation	Ω - min.	10 <sup>9</sup>	10 <sup>9</sup>	10 <sup>7</sup>
Capacitance	Contact	p F - typ.	0.3	0.2	0.3
Temperature	Operating	°C	-40 to + 105	-20 to + 105	-40 to + 105
	Storage	°C	-65 to + 105	-65 to + 105	-65 to + 105
Time	Operate	ms - typ.	1.0	1.0	1.0
	Release	ms - typ.	1.0	1.0	1.0
Shock	11ms 1/2 sine	G - max.	100	100	50
Vibration	50-2000 Hz	G - max.	30	30	30

- Notes:
1. Flying Leads are 24 AWG 7/32 PVC, 105 deg. C., UL 1569. Leads are stripped .250 (6,35), untinned.
  2. Order Actuators as a separate item.
  3. Connectors match Molex<sup>®</sup> SL connector or equivalent. Purchase housing and pins from connector supplier. Assembly required.
  4. Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.

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