

File E61760(N) 59135 High Temperature Flange Mount Features and Benefits



Features

- 2 Part Magnetically Operated Proximity Sensor
- High temperature, rated to 200°C
- Cross-slotted mounting holes for optimum adjustability
- Standard, high voltage or change over contacts
- 300mm (12") Teflon 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
- Simple installation and adjustment

Applications

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

DIMENSIONS



Recommended Activating Positions:



Sensors and Matching Actuators (Note 2)		Actuator		Sensor	
Must Actuate	Must Release				
.350 (8,89)	1.15 (29,21)	59135-000	59135-010	59135-020	59135-030

Electrical Specifications and Operating Characteristics			Form A	Form A	Form C
Contact Type			SST-NO Standar d	SST-NO High Volta ge	SPT-CO Standar d
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	- max.	0.2	0.2	0.2
	Insulation	- min.	10 ¹⁰	10 ¹⁰	10 ⁷
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 **59135-010, 59135-020** 20 AWG 19x32 teflon insulated, 200 degree C, 300 vdc, UL1180/UL1332
59135-030 material same as above, colors white—common, red—normally open, blue—normally closed
 2. Order Actuators as a separate item.
 3. Underwriters Laboratories recognition. For details on electrical specifications, contact Hamlin, Inc.

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