

59165 Moulded Switch Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Gull Wing, leaded and staple form options
- Tape and reel option (consult Hamlin)
- Moulded stand-off to allow board washing
- Customer defined sensitivity
- Solder reflow capable

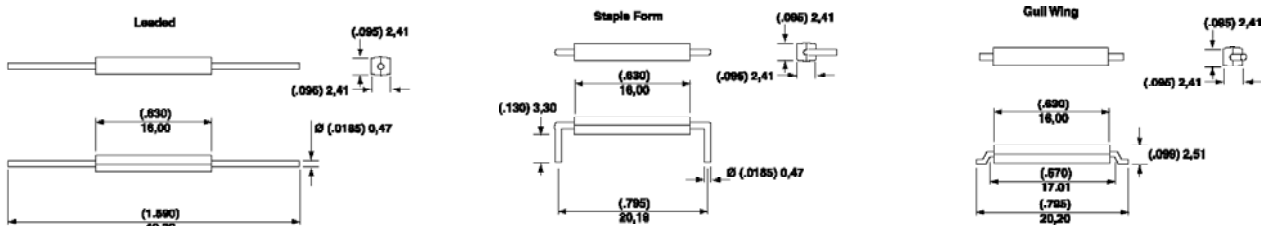
Benefits

- Suitable for pick and place
- 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
- Door switch

DIMENSIONS (in) mm



CUSTOMER OPTIONS - Switching Specifications

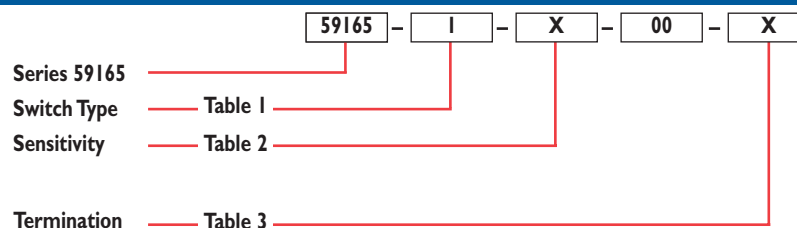
TABLE 1			Normally Open
Contact Type			
Switch Type			1
Voltage	Power	Watt - max.	10
	Switching	Vdc - max.	200
Current	Breakdown	Vdc - min.	250
	Switching	A - max.	0.5
Resistance	Carry	A - max.	0.8
	Contact, Initial	Ω - max.	0.2
Capacitance	Insulation	Ω - min.	10 ¹⁰
	Contact	pF - typ.	0.3
Temperature	Operating	°C	-40 to +105
	Storage	°C	-65 to +105
Time	Operate	ms - max.	1.0
	Release	ms - max.	1.0
Shock	11ms 1/2 sine	G - max.	100
Vibration	50-2000 Hz	G - max.	30

CUSTOMER OPTIONS - Sensitivity and Termination Specification

TABLE 2						
Sensitivity Options:-						
Activate Distances are approximate using Hamlin 57045 actuator as illustrated Switch AT before modification						
Select Option	S	T	U			
Switch Type	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
1 Normally Open	10-15	(.295) 7,5	15-20	(.256) 6,5	20-25	(.197) 5,0

TABLE 3	
Termination Options:-	
SELECT OPTION	DESCRIPTION
A	Leaded
B	Staple Form
C	Gull Wing bulk packed
D	Gull Wing taped and reel

ORDERING INFORMATION



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