

File E61760(N)

59065 & 59070 Threaded Barrel Features and Benefits



Features

- 2 part magnetically operated proximity sensor
- Threaded barrel with retaining nuts
- Available as M8 (57070/59070) or 5/16 (57065/59065) size options
- Customer defined sensitivity
- Choice of cable length and connector

Benefits

- Simple installation and adjustment using supplied retaining nuts
- No standby power requirement
- Operates through non-ferrous materials such as wood, plastic or aluminium
- Simple installation and adjustment

Applications

- Position and limit sensing
- Security system switch
- Linear actuators
- Industrial process control

DIMENSIONS (in) mm



CUSTOMER OPTIONS - Switching Specifications

TABLE 1			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type	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 ¹⁰	10 ¹⁰	10 ⁷	10 ⁷
Capacitance	Contact	pF - typ.	0.3	0.2	0.3	0.3
Temperature	Operating	°C	-40 to +105	-20 to +105	-40 to +105	-40 to +105
	Storage	°C	-65 to +105	-65 to +105	-65 to +105	-65 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	3.0
	Release	ms - max.	1.0	1.0	3.0	3.0
Shock	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		
Sensitivity Options:- Activate Distances are approximate using Hamlin 57065/57070 actuator as illustrated. Switch AT before modification.								Cable Type:- 24 AWG 7/32 PVC 105°C UL1430/UL1569		Termination Options:-		
								Standard Lengths		(2 WIRE VERSIONS ILLUSTRATED)		
Select Option	S	T		U		V		SELECT OPTION	CABLE LENGTH (in) mm	SELECT OPTION	DESCRIPTION	
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	Pull In AT Range	Activate Distance d (in) mm		A or F	Tinned or untinned leads	
1 Normally Open	12-18	(354)	17-23	(276)	22-28	(177)	27-33	(177)	01 (3,94) 100			
2 High Voltage		9,0		7,0		6,0		4,5	02 (11,81) 300	C	6.35mm fastons	
3 Change Over		(295)		(236)		(197)			03 (19,69) 500	D	AMP MTE 2.54mm pitch	
4 Normally Closed	15-20	7,5	20-25	6,0	25-30	5,0			04 (29,53) 750	E	JST XHP 2.5mm pitch	
									05 (39,37) 1000			

ORDERING INFORMATION

N.B. 57065/57070 actuator sold separately

59065/59070 - X - X - XX - X

Series 59065/59070

Switch Type — Table 1

Sensitivity — Table 2

Cable Length — Table 3

Termination — Table 4

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