

## 59630 Float Sensor Features and Benefits



### Features

- Sensor with integral float magnet attached
- Sensor operates when float rises from end stop position
- Choice of contacts
- Choice of connector
- Customer defined cable length

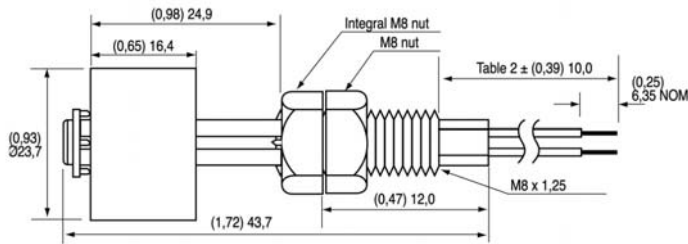
### Benefits

- No standby power required
- Hermetically sealed, magnetically operated contacts continue to operate long after optical and other technologies fail due to contamination
- Simple installation with M8 thread and nut

### Applications

- Liquid level control
- Air conditioning systems
- Industrial Process Control

### DIMENSIONS (in) mm



SCHEMATICS	Switch Type
	1 & 2
	3
	4

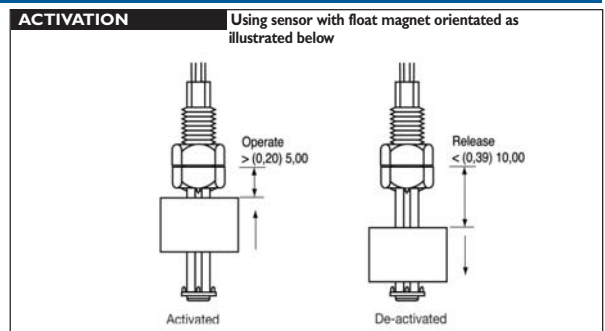
### CUSTOMER OPTIONS - Switching Specifications

TABLE I			Normally Open	Normally Open High Voltage	Change Over	Normally Closed
Contact Type			1	2	3	4
Switch Type						
Power	Power	Watt - max.	10	10	5	10
	Switching	Vdc - max.	200	300	175	200
Voltage	Breakdown	Vdc - min.	250	450	200	250
	Switching	A - max.	0.5	0.5	0.25	0.5
Current	Carry	A - max.	1.2	1.5	1.5	1.2
	Resistance	Contact, Initial	Ω - max.	0.2	0.2	0.2
Resistance	Insulation	Ω - min.	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>7</sup>	10 <sup>10</sup>
	Capacitance	Contact	pF - typ.	0.3	0.2	0.3
Temperature	Operating	°C	-40 to +105	-20 to +105	-40 to +105	-40 to +105
	Storage	°C	-50 to +105	-50 to +105	-50 to +105	-50 to +105
Time	Operate	ms - max.	1.0	1.0	3.0	1.0
	Release	ms - max.	1.0	1.0	3.0	1.0
Shock	11ms 1/2 sine	G - max.	100	100	50	100
Vibration	50-2000 Hz	G - max.	30	30	30	30

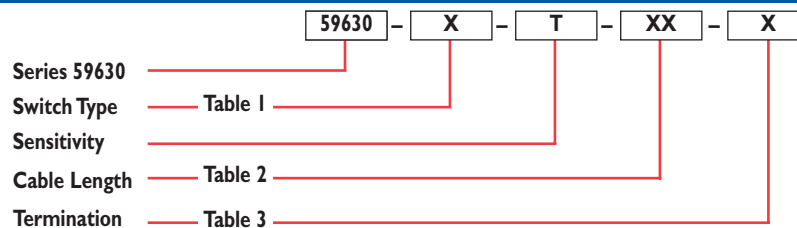
### CUSTOMER OPTIONS - Cable Length and Termination Specification

TABLE 2	
<b>Cable Type:-</b> 24 AWG 7/32 PVC 105°C UL1430/UL1569	
Standard Lengths	
SELECT OPTION	CABLE LENGTH (in) mm
01	(3,94) 100
02	(11,81) 300
03	(19,69) 500
04	(29,53) 750
05	(39,37) 1000

TABLE 3		
Termination Options:-		
SELECT OPTION	DESCRIPTION (2 WIRE VERSIONS ILLUSTRATED)	
A or F	Tinned or untinned leads	
C	6.35mm fastons	
D	AMP MTE 2.54mm pitch	
E	JST XHP 2.5mm pitch	



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