



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!



## Contact us

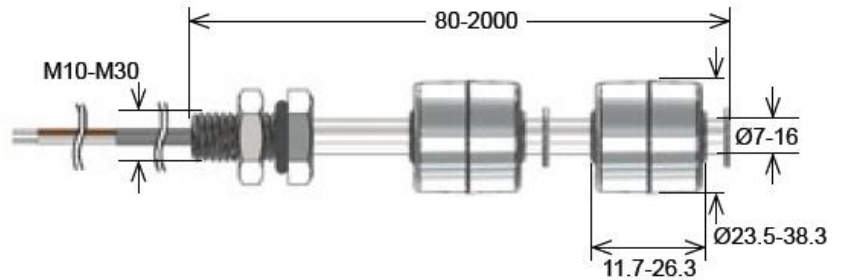
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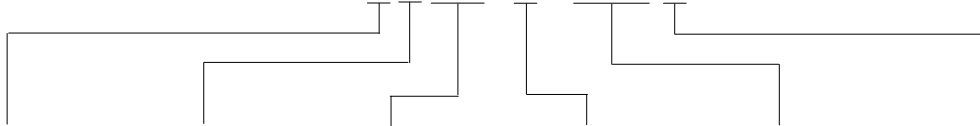


# LS05 Series Level Sensors



- Features: Multiple Floats w/min. 1.5" Spacing, High Temp. up to 200°C (SS), Other Cables & Connectors
- Applications: Single, Multi & Continuous Level Control, Detection and Monitoring
- Markets: Automotive, Appliance, Aviation, Food & Beverage, Industrial, Laboratory, Marine

Part-Description: **LS-05 0X00-X-000X**



Contact Qty.	Contact Form	Switch Model	Type	Cable Length (mm)	Cable Termination
01	A (SPST-NO) B (SPST-NC)	66, 85	1, 2, 5, 7	500, 1,000, 5,000	W = Stripped and Tinned

Customer Options	Switch Model		Unit
<b>Contact Data</b>	<b>66</b>	<b>85</b>	
<b>Rated Power (max.)</b> Any DC combination of V&A not to exceed their individual max.'s	10	100	W
<b>Switching Voltage (max.)</b> DC or peak AC	200	400	V
<b>Switching Current (max.)</b> DC or peak AC	0.5	1.0	A
<b>Carry Current (max.)</b> DC or peak AC	1.25	2.5	A
<b>Contact Resistance (max.)</b> @ 0.5V & 10mA	150	150	mOhm

Glossary Contact Form		
<b>Form A</b>	NO = Normally Open Contacts SPST = Single Pole Single Throw	
<b>Form B</b>	NC = Normally Closed Contacts SPST = Single Pole Single Throw	
<b>Form C</b>	Changeover SPDT = Single Pole Double Throw	

Glossary Material	
<b>PP: Polypropylene</b>	For water applications and dilute acids
<b>PA: Polyamide</b>	For oil
<b>NBR: Nitrile Butadiene Rubber</b>	For oil, gasoline & in high temperatures
<b>SS: Stainless Steel</b>	For high temp. (< 160° C)

General Sensor Data				
Materials				
Stem, Nut	Stainless Steel			
Float	PA	PP	NBR	SS
Seal	Nitrile Rubber			
Cable spec	Low voltage (Switch Model 66)		High voltage (Switch Model 85)	
Cross Section (mm <sup>2</sup> )	0.14		0.25	
Cable material	PVC			
Packing	Bulk			

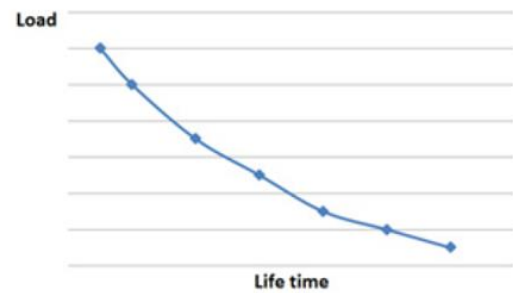
### LS05 Level Sensor



Environmental Data		Unit
Shock Resistance (max.) 1/2 sine wave duration 11ms	50	G
Vibration Resistance (max.)	20	G
Operating Temperature Cable not moved	-40 to 160	°C
Operating Temperature Cable moved	-20 to 120	°C
Storage Temperature	-30 to 80	°C

### Life Test Data

\*Load increase reduces life expectancy of Reed Switches



### Handling & Assembly Instructions

- Max torque of screw is 1Nm
- Cable bending-radius is diameter x 15
- Min. bending distance to housing is 5mm
- Drag mark out of the mounting area forbidden
- Decrease switching distance by mounting on iron
- Series resistor recommended for > 5m cable length

Type	Length (mm)
1	55
2	114
5	152
7	220

