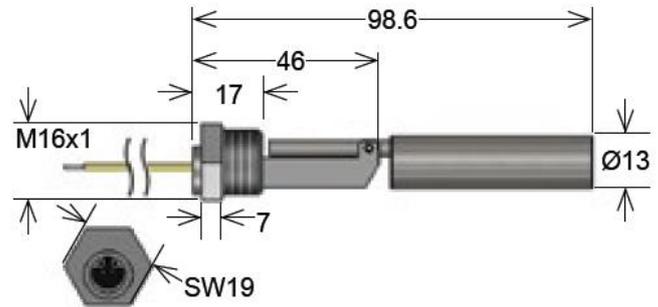


# LS03-S Series Level Sensors



- Features: Single Level Horizontal Mount, Up to 150°C, High Power Switch Option, Cables & Connectors
- Applications: Level Control, Detection and Monitoring
- Markets: Automotive, Appliance, HVAC/R, Test & Measurement

Part-Description: **LS-03 0X00-X-000X**

Contact QTY	Contact Form	Switch Model	Material	Cable Length (mm)	Cable Termination
01	A (SPST-NO) B (SPST-NC)	66, 85	Stainless Steel	500, 1,000, 5,000	W = Stripped and Tinned

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

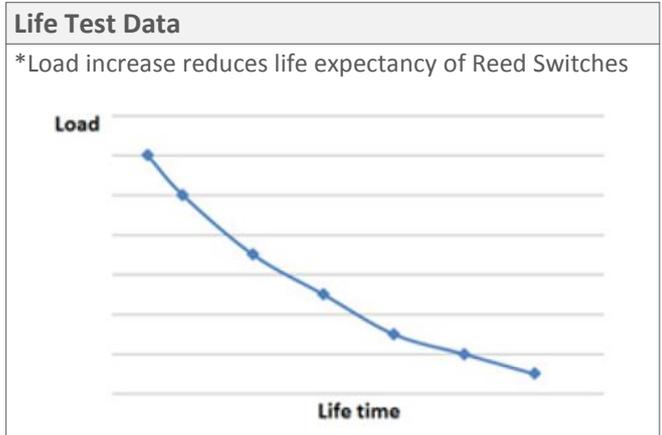
Glossary Contact Form	
<b>Form A</b>	NO = Normally Open Contacts SPST = Single Pole Single Throw
<b>Form B</b>	NC = Normally Closed Contacts SPST = Single Pole Single Throw
<b>Form C</b>	Changeover SPDT = Single Pole Double Throw

Glossary Material
PP = (Polypropylene) for water applications and dilute acids
PA = (Polyamide) for use in oil, gasoline and brake fluid
NBR = (Nitrile Butadiene Rubber) for use in oil, gasoline & in high temp.
SS = (Stainless Steel) for use in high temperatures up to 120° C

General Sensor Data		
Materials		
Stem, nut	Stainless Steel	
Float	Stainless Steel	
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	



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 150	°C
Operating Temperature Cable moved	-20 to 120	°C
Storage Temperature	-20 to 100	°C



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

