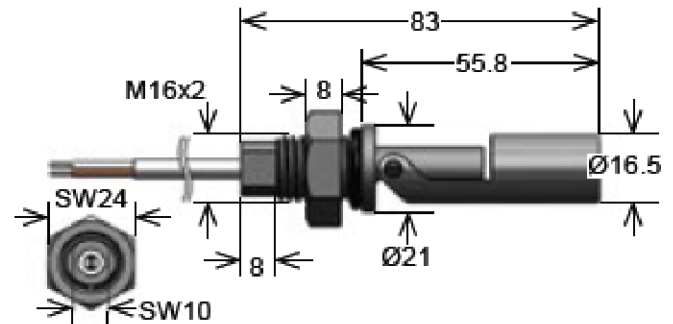


LS03 Series Level Sensors






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

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

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

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

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

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

General Sensor Data

Materials		
Stem, Nut	PA	PP
Float	PA	PP
Seal	Nitrile Rubber	Nitrile Rubber
Cable spec	Low voltage (Switch Model 66)	High voltage (Switch Model 66)
Cross Section (mm ²)	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	-20 to 80	°C
Operating Temperature Cable moved	-5 to 80	°C
Storage Temperature	-30 to 70	°C

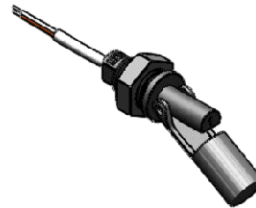
Handling & Assembly Instructions

Standard	GZ-Type
<ul style="list-style-type: none"> ➤ Mounting from inside, thread M16 x 2.0 ➤ Insertion hole: Ø 16.5mm ➤ Sealing from inside, with O-ring 	<ul style="list-style-type: none"> ➤ Mounting from outside, tapered thread ½" (no sealing necessary) ➤ Insertion hole: 1/2" thread
DK-Type	DL-Type
<ul style="list-style-type: none"> ➤ Mounting from outside, thread M16 x 2.0 ➤ Insertion hole: Ø 22mm ➤ 5mm narrow sealing, suitable for high filling Pressure ➤ Wall thickness min. 4mm 	<ul style="list-style-type: none"> ➤ Mounting from outside, thread M16 x 2.0 ➤ Insertion hole: Ø 22–24 mm ➤ 12mm wide sealing, suitable for low filling Pressure ➤ Wall thickness max. 5mm

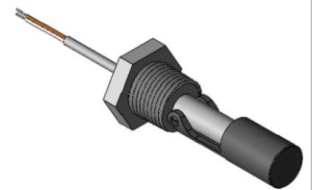


LS03 Versions

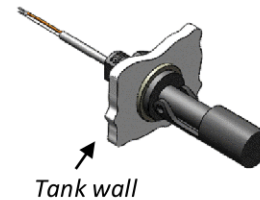
Standard-Version



GZ-Version

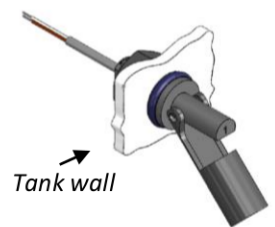


DK-Version



Tank wall

DL-Version



Tank wall

LS03 Level Sensor



Life Test Data

*Load increase reduces life expectancy of Reed Switches

