

LCSFS series side mounted float level switches



The operation of the Flowtechnik level probe for liquids LCSFS is based on the switching of a reed switch by a magnetic float, rotating around a fixed point or sliding along a stem.

This switch is designed for external or internal mounting on the side vessel walls and is electrically terminated by lead wires. Large variety of versions based on different body and float materials is available for use at operating temperature up to 120 °C, process pressure up to 5 bar, and specific gravity of the liquid down to 0.6 g/cm³.

- Low cost
- Inside or outside installation
- Rotating or sliding float
- 120 °C maximum liquid temperature
- Stainless and various plastic versions
- Cable electrical termination

Technical & Dimensional Information

Variant	rotating around fixed point			sliding up-down		
Specifications						
Sensor material	polypropylene	nylon	PVDF	polysulfone	stainless steel 1.4301 (304)	polypropylene
Liquid density [g/cm³]	> 0.65			> 0.85	> 0.60	
Contact type	reed switch, NO					
Sensor function	NO or NC (depending on float position)					
Contact ratings	max. 240 VAC (200 VDC), max. 0.5 A (1 A carry current), max. 50 VA					
Process temperature	-20...80 °C	-20...100 °C	-20...120 °C		-20...80 °C	
Ambient temperature	-20...90 °C				-20...60 °C	
Max. process pressure	4 bar		5 bar		atmosphere	
Wiring	30 cm XLPE wires				30 cm PVC wires	
Protection	IP67					
Process connection (incl. nut & washer)	M16x1.5		1/2"		M12x1.25	

Options & Ordering Information

Feature or option	Order Code LCSFS-X.X
Variant	1 - with float rotating around fixed point, 2 - with float sliding along stem
Housing	PP - polypropylene, NY - nylon, DF - PVDF, PSU - polysulfone, SS - stainless steel 1.4301 (304)

Ordering Example

LCSFS-2.PSU