



LS-15

Miniature Float Switch for Side Mounting



Features

/ Compact design

/ Only one mechanically moving part

/ Sideways mounting into vessel

/ Fully stainless steel version

Description:

The LS-15 series of level switches operates according to the principle of a float with magnetic transmission. The float is lifted inside the vessel due to the rising fluid level; subsequently, it actuates a reed contact as a result of the magnetic field of the permanent magnet situated in the float. Depending on the mounting position, the reed contact acts normally opened or normally closed.

Application:

The LS-15 float switches are suited for monitoring the level of nearly all types of fluid media as an alarm for full or empty levels, for controlling valves and pumps or for alert signals. By deploying potential-free reed contacts, the float switches provide an ideal switching element in combination with PLC controls.



Technical Specifications:

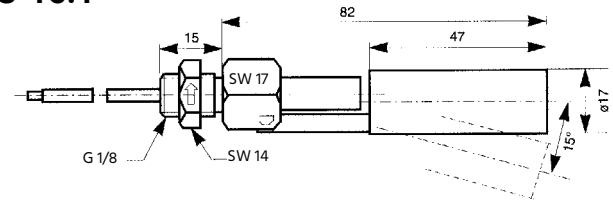
Connecting cable /	0.5 m FEP stranded wire
Screw thread type /	G 1/8"-male, G 1/2"-male, G 3/4"-male, 1/2" NPT-male or 3/4" NPT-male
Material /	float and float bracket are made of stainless steel 1.4301
Function of contacts /	NO-contact or NC-contact, depending on mounting variant
max. Pressure /	5 bar
max. Temperature /	standard -40...+120°C high-temperature -40...+180°C
min. Media density /	0.8 kg/l (0.9 kg/l for special versions with extra short insertion length)
CE marking /	RoHS
Switching load within EU area /	50 V AC/DC, 0.5 A, 25 VA
Switching load outside EU area /	300 V AC/DC, 0.5 A, 50 VA
Initial contact resistance /	150 mΩ (max.)
Insulation resistance /	10 MΩ (min.)

Handling:

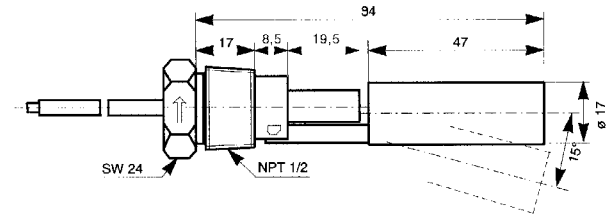
- / It must be ensured that the values given for voltage, current, and power are not exceeded.
- / When switched on, a load must be connected in series.
- / The electrical details apply to ohmic loads.
Capacitive, inductive and lamp loads must be operated using a protective circuit.
- / Not suitable for use in media with ferritic particles.

Dimensions in mm:

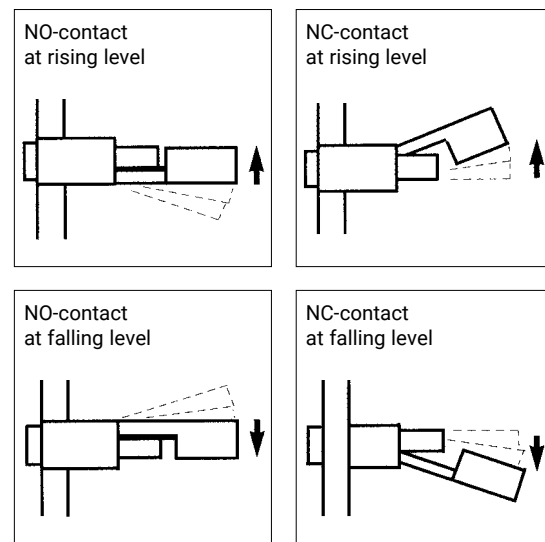
LS-15.1



LS-15.2



Installation variants:



Ordering Codes:

Order number	LS-15.	1.	1
LS-15 Miniature Float Switch for Side Mounting			
Connection /			
1 = G 1/8" male to be mounted from inside (82 mm)			
1a = G 1/8" male to be mounted from inside (54,5 mm)*			
2 = 1/2" NPT male to be mounted from outside (94 mm)			
3 = G 1/2" male to be mounted from outside (94 mm)			
4 = 3/4" NPT male to be mounted from outside (54 mm)			
5 = G 3/4" male to be mounted from outside (54 mm)*			
Temperature range /			
1 = standard -40...+120°C			
2 = high-temperature -40...+180°C			

*Only standard temperature-range