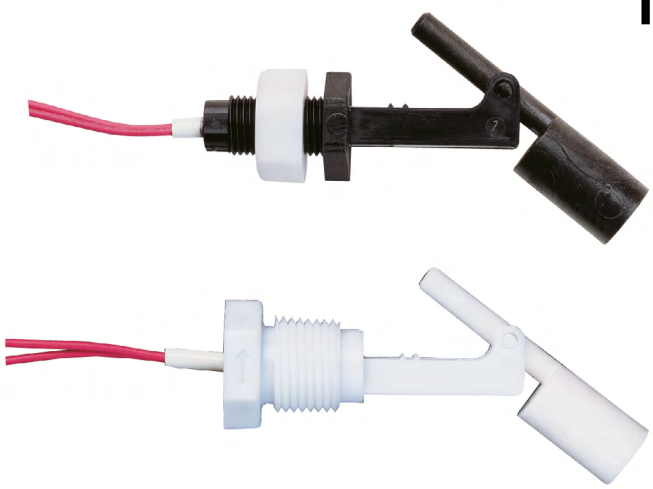
LS-14

Miniature Plastic Float Switch for Side Mounting



Features

/ Compact design

/ Only one mechanically moving part

/ Sideways mounting into vessel wall

/ PP or Nylon versions

Description:

The LS-14 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 of the float switch, the reed contact acts normally opened or normally closed.

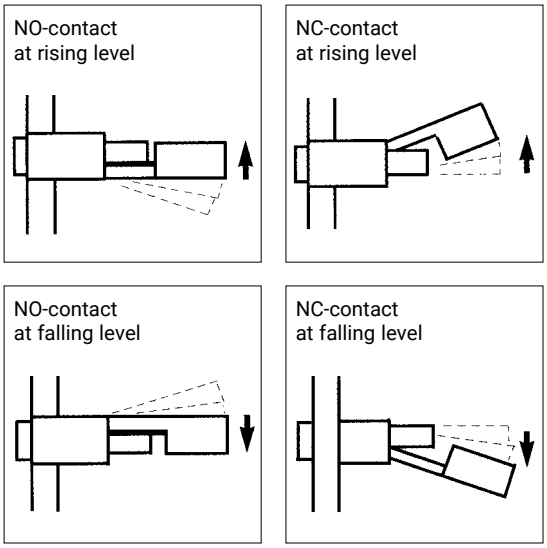
Application:

The LS-14 float switches are suited for monitoring the level of nearly all types of fluid media that are non-hostile to the material used as an alarm for full or empty levels, for controlling valves and pumps or for alert signals.

Technical Specifications:

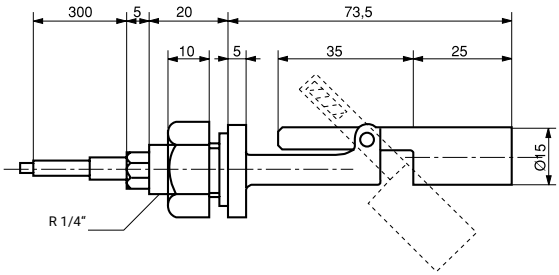
Connecting cable /	0,3 m PE stranded wire
Screw thread type /	LS-14.1: R 1/4" male with counter nut LS-14.2: 1/2" NPT male
Material /	LS-14.x.1: PP LS-14.x.2: Nylon (6-N)
Function of contacts /	NO-contact or NC-contact, depending on mounting variant
max. Pressure /	2 bar rel.
max. Temperature /	LS-14.x.1: -10. . .+80°C LS-14.x.2: -10. . .+110°C
min. Media density /	0,8 kg/l (smaller on request)
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.)

Installation variants:

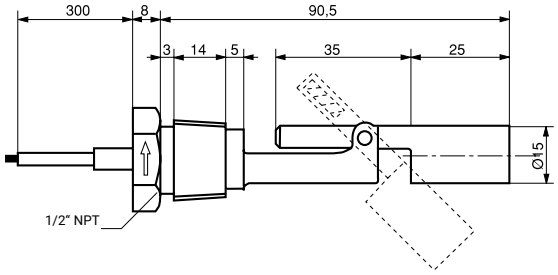


Dimensions in mm:

LS-14.1



LS-14.2



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.

Ordering Codes:

Order number	**LS-14.**	**1.**	**1.**	**2**

LS-14 Miniature Plastic Float Switch

Connection /
1 = R 1/4" male
2 = 1/2" NPT male

Material /
1 = Polypropylen
2 = Nylon (6-N)

Contact /
2 = 50 V DC/AC, 0,5 A, 25 VA

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