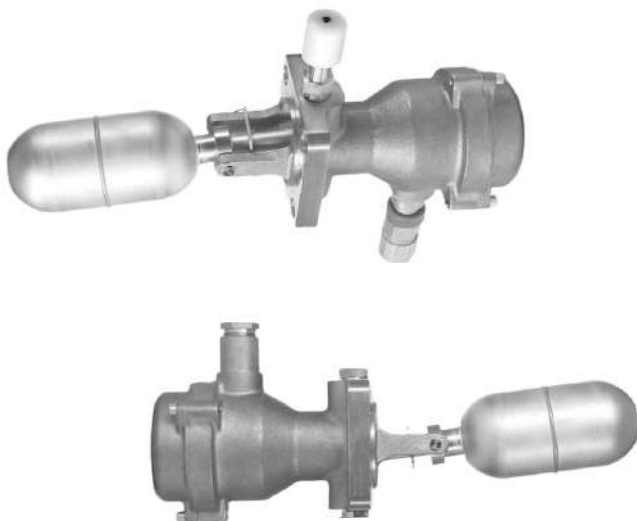


LSA Series Float Level Switches



Key features

- Horizontal or vertical mounting
- Rugged construction suitable for harsh marine environments
- Integrate test handle
- Marine Type approved
- IP68 Ingress Protection
- Optional manual test mechanism

LSA Marine Float Level Switch

Marine float level switches, from PSM, whether horizontally or vertically mounted, provide high-level or low-level detection of liquids in all types of vessels.

PSM offers a wide range of float switch models that will suit each specific application, with single or dual level switches and multiple combinations of high and low level functions.

Horizontal or Vertical Mounting

The LSA switch is mounted horizontally or vertically in the tank and uses a cylindrical float with a magnet attached to the end of the lever arm that activates a reed type magnetic micro-switch in the electrical connection housing as the float rises or falls.

Integral Test Handle

Versions of the LSA switch are available with an external test handle which enables triggering of the alarm irrespective of the level of liquid in the tank.

IP68 Switch Housing

The housing is manufactured in corrosion resistant Aluminium grade AlSi7Mg0,6 and the float assembly in 1.4571 Stainless Steel.

Installation Lengths to Suit the Application

Top mounted switches may be specified with single or double cranked arms with dimensions to suit the required switch point.

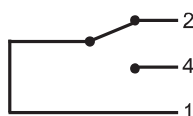
Specification

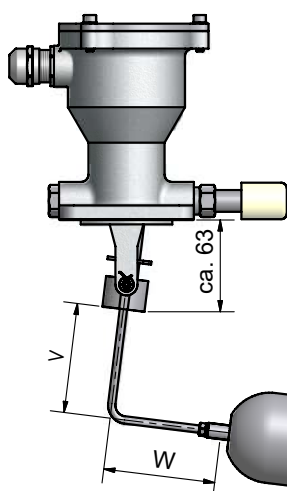
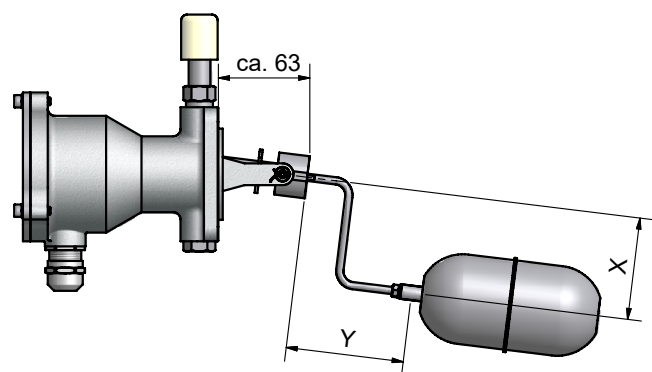
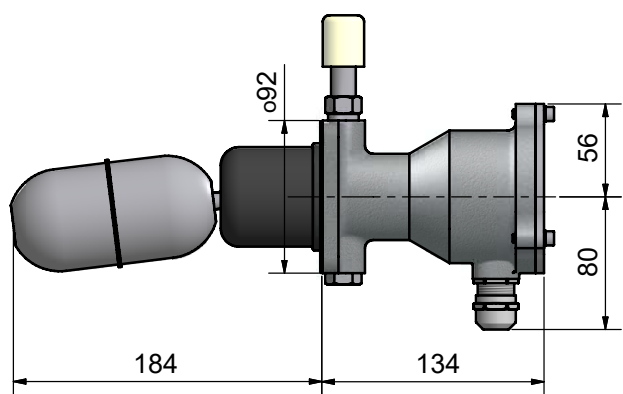
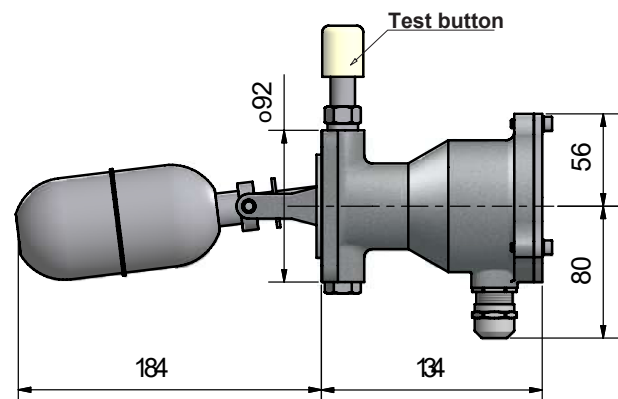
Materials	
Housing	AlSi7Mg0,6
Float unit	1.4571
Flat seal	oil and seawater proofed Novapress
Rubber seal	EPDM, NBR70
Protection type	IP68 cable gland
Approvals	DNV
Maximum pressure	42 bar (floaters)
Minimum liquid density	0,46 g/cm ³
Min / Max. temperature	-40°C...+125°C
Mounting position	top or side
Electrical connection	cable gland, M20x1,5, IP68
Contact mode	SPDT
Weight	ca. 2,0 kg

Electrical Data

Rating	V AC	V DC induktiv	V DC resistive
Max. voltage V	250 V	24 V	24 V
Max. current A (microswitch)	6 A	2 A	2 A

Connection of Switch





Order Code

For example: LSA 11.01.01.00.AL

with test button for high level without cable 10
with test button for low level without cable 11
with test button for high level with cable 20
with test button for low level with cable 21
without test button without cable without 30
test button with cable 40

standard float unit 01
bent float unit (V + W; max. 760mm) 02
double bent float unit (X + Y; max. 760mm) 03
long float unit (V max. 760mm) 04
protection skin SB1 05
protection skin SB2 06

standard cable gland IP68 01

without cable 00
with 3 m cable (Standard) 03
with 5m cable 05
with 10 m cable 10
with ??m cable ??