FLOAT SWITCHES FOR DRINKING WATER
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**Order code** | **Cable material** | **Cable length [m]** | **Counter-weight included** | **Qtty per pack** | **Wt [kg]**
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LVFS A1 D 03 | PVC ACS+AD8 certified | 3 | Yes | 1 | 0.630
LVFS A1 D 05 | PVC ACS+AD8 certified | 5 | Yes | 1 | 0.850
LVFS A1 D 10 | PVC ACS+AD8 certified | 10 | Yes | 1 | 1.430
LVFS A1 D 15 | PVC ACS+AD8 certified | 15 | Yes | 1 | 1.950
LVFS A1 D 20 | PVC ACS+AD8 certified | 20 | Yes | 1 | 2.400

**Filling function**
This function is achieved by connecting the black and blue float terminals. The level regulator contact closes the lower circuit at minimum level and opens the circuit when the float reaches the upper maximum level. The MIN and MAX levels can be adjusted by varying the distance between counterweight and float.

**Emptying function**
This function is achieved by connecting the black and brown float terminals. The level regulator contact closes the upper circuit at maximum level and opens the circuit when the float reaches the lower minimum level. The MIN and MAX levels can be adjusted by varying the distance between counterweight and float.

**Dimensions (mm/in.)**

**General characteristics**
Float switches LVFS A1 D type are suitable for drinking water and foodstuffs applications such as aqueducts, fountains, aquariums, drinks, fish hatcheries, swimming pools, etc.

They are realized with a non-toxic polypropylene outer shell, a stainless steel untreated sphere, and an AD8 cable with health certification ACS (Attestation de Conformité Sanitaire) with outer sheath with PVC suitable for drinkable water immersion and use with food products.

They are provided with stainless steel counterweight AISI 316.

All versions, which differ in the length of the cable, feature an internal changeover contact operated in accordance with the level of liquid where the float is located.

The cables are 3x1 type, that is 3 wires with section 1mm². This allows the user to choose the filling and emptying function during regulator wiring.

**Operational characteristics**
- Upper switching angle: 30°±5°
- Lower switching angle: 30°±5°
- Stainless steel counterweight AISI 316 included
- Float casing material: polypropylene
- PVC cable ACS + AD8 certified
- Microswitch with changeover contact:
  - 10A 250V AC (AC1) 50-60Hz
  - 8A 250V AC (AC15) 50-60Hz
- Maximum installation depth: 20m
- Maximum pressure: 2bar
- Operating temperature: 0...+50°C
- Storage temperature: -20...+80°C
- Degree of protection: IP68
- Insulation Class: II.

**Certifications and compliance**
Certifications: Health certification ACS (Attestation de Conformité Sanitaire) for the cable.