

# Suspended float switch

## Model SLS

TC Fluid Control data sheet LM 32.01

### Applications

- Wastewater treatment plants
- Pumping stations

### Special features

- Suitable for sewage, wastewater and fluids containing solid matter
- Environmentally friendly, since it is mercury and lead-free
- Groundwater neutral PP case
- Long mechanical and electrical service life of the micro switch
- Also suitable for use in Ex zones 0, 1 and 2



#### Suspended float switch

Fig. left: Model SLS-M2

Fig. centre: Model SLS-MS1

Fig. right: Model SLS-MS1-Ex

### Description

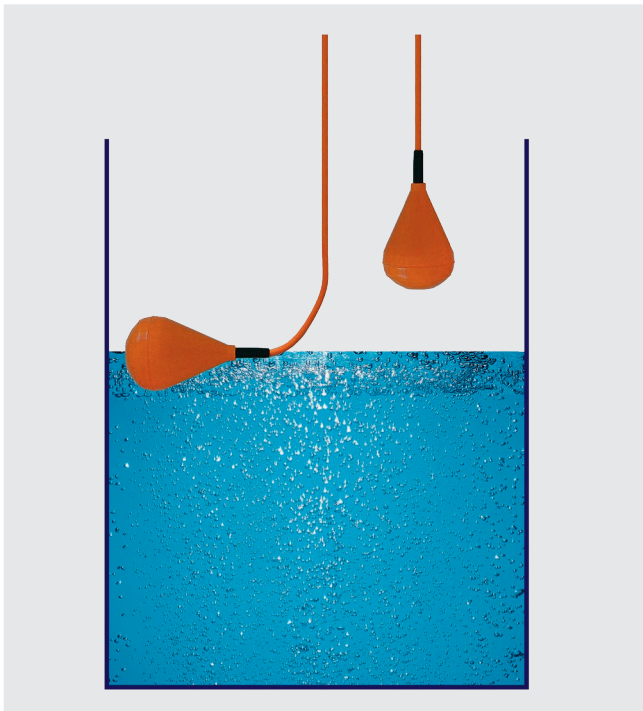
Suspended float switches are attached to a highly flexible cable hanging from above and contain a micro switch, which is potted and enclosed, shock and fracture-proof, in a double-chamber system. When the float body is immersed in a liquid, the float bulb tips and triggers the micro switch.

With the MS1 model range, a stabilisation weight is also built in, so that this switch is also suited for greater solids contents.

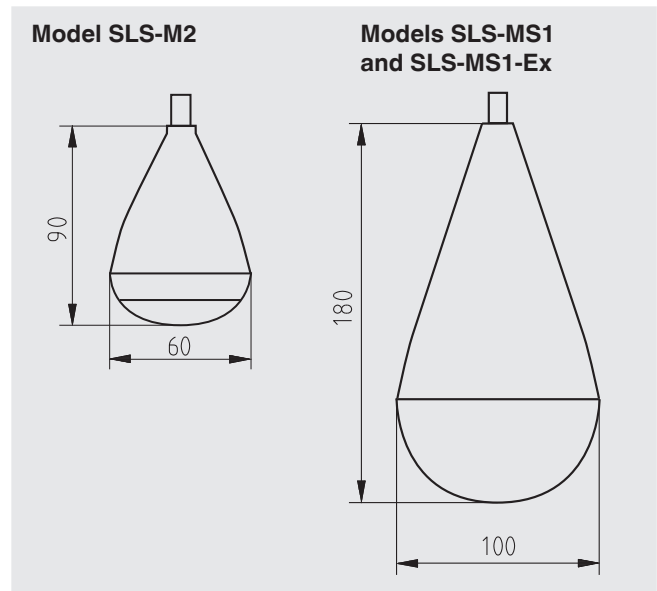
One suspended float switch is required for each switch point. The contact is designed as a change-over contact, so that it can be configured as a high alarm as well as a low alarm.

Through the patented, centrally mounted micro switch, the suspended float switch can switch in any direction, and not dependent on the direction in which the switch tips.

## Illustration of the principle



## Dimensions in mm



## CE conformity

Low voltage directive  
2006/95/EC

Environmental protection directive  
RoHS 2002/95/EC

## Specifications

	Model SLS-M2			Model SLS-MS1			Model SLS-MS1-Ex		
Medium density	950 ... 1,050 kg/m <sup>3</sup>			950 ... 1,050 kg/m <sup>3</sup>			950 ... 1,050 kg/m <sup>3</sup>		
Maximum temperature	80 °C			80 °C			80 °C		
Switching power	2 A, 250 V			5 A, 250 V			1 ... 100 mA, 4 ... 40 V		
Case	PP			PP			PP PRE-ELEC (anti-static)		
Colour	orange			orange			black		
Ingress protection	IP 68			IP 68			IP 68		
Cable	PUR/PVC, orange			PUR/PVC, orange			TPK/PVC, blue		
Wire cross-section	3 x 0.5 mm <sup>2</sup>			3 x 1.0 mm <sup>2</sup>			3 x 0.75 mm <sup>2</sup>		
Cable length	5 m	10 m	20 m	5 m	10 m	20 m	5 m	10 m	20 m
Order no.	006109	006110	006111	006115	006116	112391	010924	006119	006121
Approval	-			-			II 1G EEx ia IIC T6 SNCH 01 ATEX 3249		

## Ordering information

To order the described product the order number is sufficient.

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