

# Suspended float switch Model SLS

WIKA 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



Fig. left: Model SLS-C

Fig. centre: Model SLS-MS1

Fig. right: Model SLS-MS1-Ex

## Description

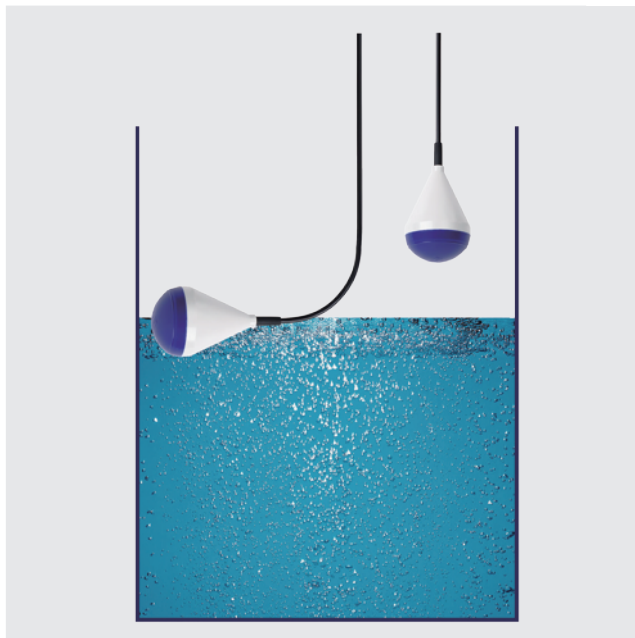
Suspended float switches are attached to a highly flexible cable hanging from above and contain a micro switch, which is potted and enclosed, shock and fracture-proof, in a double-chamber system. When the float body is immersed in a liquid, the float bulb tips and triggers the micro switch.

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

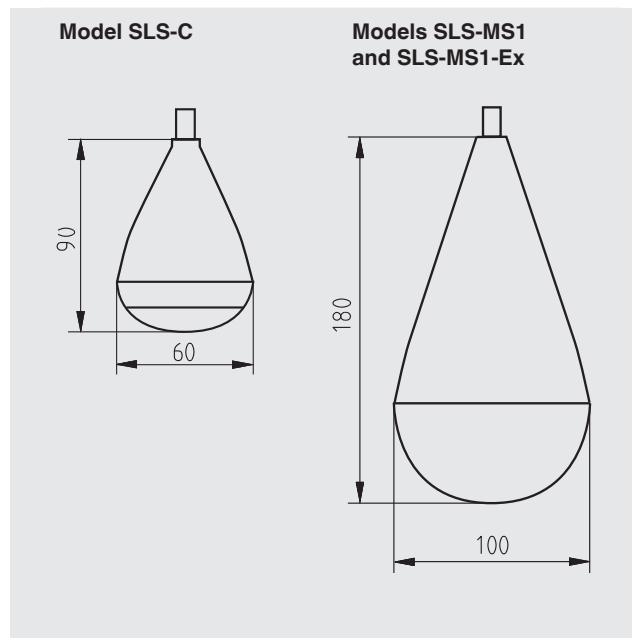
One suspended float switch is required for each switch point. The contact is designed as a change-over contact, so that it can be configured as a high alarm as well as a low alarm.

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



## Specifications

Specifications	Model SLS-C			Model SLS-MS1			Model SLS-MS1-Ex			Model SLS-MS1-UL	
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>			952 ... 1,050 kg/m <sup>3</sup>	
Maximum temperature	80 °C			80 °C			80 °C			60 °C	
Switching power	5(3) A, 250 V			5 A, 250 V			1 ... 100 mA, 4 ... 40 V			5 A, 125 V	
Case	PP			PP			PP PRE-ELEC (anti-static)			PP UL94 V0	
Colour	Blue/Grey			Orange			Black			Black	
Ingress protection	IP68			IP68			IP68			IP68	
Cable	PVC, black			TPK/PVC, orange			TPK/PVC, blue			SJOW 3/18 AWG	
Wire cross-section	3 x 0.5 mm <sup>2</sup>			3 x 0.75 mm <sup>2</sup>			4G 0.75 mm <sup>2</sup>			3/18 AWG	
Cable length	5 m	10 m	20 m	5 m	10 m	20 m	5 m	10 m	20 m	15 ft	65 ft
Order number	006109	006110	006111	006115	006116	112391	010924	006119	006121	125290	125291
Approval	-			-			-			-	
CE	■ Low voltage directive ■ RoHS			■ Low voltage directive ■ RoHS			■ Low voltage directive ■ RoHS			■ Low voltage directive ■ RoHS	
Ex	-			-			■ SEV 13 ATEX 0102 II 1G Ex ia IIC T6			-	
IEC IECEx	-			-			■ IECEx SEV 13.0001			-	
ETL Intertek	-			-			-			■ cETLus 4004472 UL 508, CSA C22.2	
EAC Ex	■ Low voltage directive			■ Low voltage directive			■ Low voltage directive ■ Hazardous areas			■ Low voltage directive	

## Ordering information

To order the described product the order number is sufficient.

