

# Float Switch 7030 (without mercury)

#### General



The float switches 7030 belongs to a generation of float switches where the mercury switches have been replaced with up-to-date environment friendly materials.

Because float switches are often used inenvironmental engineering systems such as pumping stations and sewage plants, it is very important that the switches do not contain mercury.

When used for control or alarm in pumping stations, the float switches can be easily damaged during the replacement of pump and other machinery.

# Special features

- Float switches without mercury!
- The float switch is made of polypropylene, an environment friendly and strong material.
- Electro-mechanical contact system.
- The electro mechanical contact system with a voltage-free switch can withstand loads up to 16A allowing a motor starter to be connected directly.

### **Function**

The float switches 7030 are supplied with an electro-mechanical contact system. In the float switch with electromechanical system a hermetically sealed micro-switch is built in, which is activated by a moving weight. The weight activates the micro-switch, when

the float switch 7030 changes its position in the water. As accessories a counterweight can be delivered, the coun-terweight ensures that the 7030 is always drowned, and it makes the bend of the cable less sharp.

# **Specifications**

Float Switch 7030			
Part no.	202810		
Contact system	Mechanical		
Output	Change-over contact		
Max. load	AC: 250V / 16A DC: 220V / 0,5A 24V / 16A		
Voltage	Max. 250V AC		
Temperature	- 20 + 60 °C		
Dimension	Dia. 95 mm ×160 mm		
Housing	Polypropylene		
Enclosure	IP68		
Cable (part no. 691020)	Oil resistant PVC insulation, 3 x 1 mm², dia. 8 mm x 12 m, PVC		
CE approvals	EN61000-6-1, EN61000-6-3		
Counterweight (accessories)			
Part no.	560917		
Coating	Polypropylene		
Dimensions	Dia. 55 mm ×100 mm		

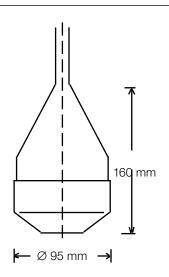
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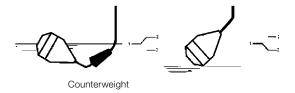
Float Switch 7030



# **Dimensions**



# Connection





# **Conductivity Level Switch 501**

#### General

The Conductivity Level Switch type 501 is a simple and price competitive system for the control of levels. The system includes a transmitter for DIN-rail mounting and various level electrodes.

# **Special Features**

- Price competitive and reliable system for the control of level in conductive liquids.
- The amplifier is easy to mount on a DIN-rail.
- The electrodes are delivered for suspension in cable and for mounting with 1" thread.
- For mounting a special bracket is available, which can be mounted directly on the wall or in combination with MJK modular fittings.



#### **Function**

The transmitter generates an alternating voltage applied to the electrodes. When the liquid connects the electrodes, the current running between these is amplified and the output relay is activated. Two electrodes can be connected to the unit for the detection of one level, or three electrodes can be con-

nected for the detection of two levels; one for start and one for stop. In cases where the liquid is in a conductive tank or where e.g. a metal pipe is in constant contact with the liquid, it is only necessary to use one respectively two electrodes.

# **Specifications**

Conductivity Level Switch type 501				
Part numbers	202820 (230 V AC), 209820 (115 V AC)			
Dimensions	86 x 52,5 x 58 mm (hxwxd)			
Mounting	On DIN-rail			
Supply	115/230 V AC ±10%, app. 4VA			
Temperature range	- 20 +60 oC			
Materials	Cover: Lexan(Grey) Bottom: Noryl(Black)			
CE approvals	EN61000-6-1, EN61000-6-3			
Enclosure	IP22			
Input	From level electrodes			
Sensitivity	Min.: 100 mA Max.: 1mA			
Relay output	Voltage-free switch, max. 250V, 4A resistive, 1A inductive			
Electrodes				
Part no	202850	202860	202865	
Description	Single electrode	Electrode base with 1 electrode rod (max. 3 electrode rods)	Additional rod for 202860	
Mounting	Suspended in cable with 1" thread	Mounted with M5 thread	Mounted in base	
Length	150 mm	1000 mm	975 mm	
Marerials	AISI 316	POM / AISI 316	AISI 316	
Cable	6 m	None	None	

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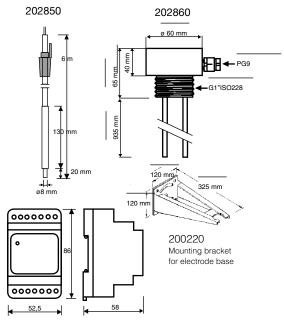
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# **Electrode Control 501**

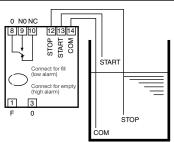


# **Dimensions**



# Connection

As standard delivered for delivered for control of pumping out. In case of pumping in, change the soldering bridge and use terminal 12 for stop and 13 for start.



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