FS-03

Float Switch

Description:

The FS-03 float switch operates according to the principle of buoyancy. A hollow float is lifted by the raising level of fluid as long as a switching operation is triggered at an angle of 45° to the horizontal line. The switch can be suspended by means of a screw joint directly in the vessel or, in the case of open vessels, from above. The setpoint is determined by the counterweight that must be ordered separately. The FS-03 consists of a polypropylene float with a total of two hollow spaces sealed against each other. The switch is, therefore, unsinkable even due to mechanical damages. As regards the cable material, the user has a choice between PVC or Neoprene.

Features

/ Low-cost design

/ 2 chamber system

/ Compatible with drinking-water

/ Mercury-free

Application:

The FS-03 level switch is suited for level monitoring in fluids as in all types of industrial applications of direct pump controlling thanks to its high power rating. The switch is small in size and its switching behavior is individually adjustable through a variable weight. It can be used especially as control for MIN, MAX alarm, DRY-RUN and as pump control. The affordable price of FS-03 makes the switch highly recommendable for series deployment in large numbers.

Versions:

FS-03 Float Switch

Cable material: The FS-03 is selectively provided with a PVC or Neopren cable.

Cable length: The cable length can be selected from among 5, 10 and 20 meters.

Electrical Specifications:

Contact /	change-over, 10A ohmic (4A inductive) for 250VAC
Life span /	min. 10 million switching operations
Protection class /	IP 68
Electrical connection /	cable diameter 9 mm, 3-wire with a cross-section of 1 mm^2

Technical Specifications:

Float material /	polypropylene
Float volume /	430 cm^3
Float diameter /	106 mm
Float weight /	250 g without cable
Counterweight /	polystyrene
Media density /	at least 0,8 g/cm^3
Media temperature /	0 bis +50°C
Pressure /	max. 1 bar
Switching angle /	± 45° to the horizontal line

Ordering Codes:

Order number	**FS-03.**	**P.**	**10.**	**1**

FS-03 Float Switch

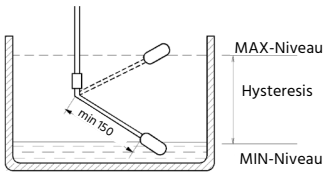
Cable material /
P = PVC
N = Neopren

Cable length /
05 = 5 m
10 = 10 m
20 = 20 m

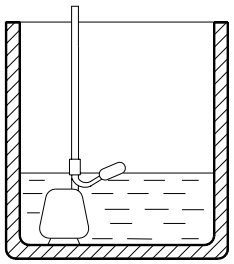
Counterweight /
0 = without counterweight
1 = with counterweight

Functionality:

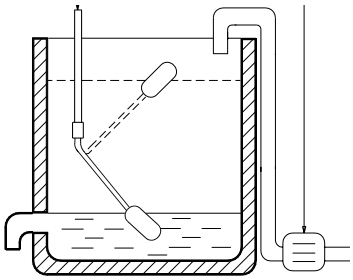
Pump control



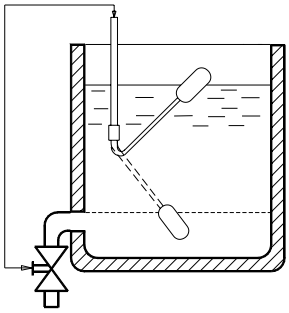
Dry-run protection



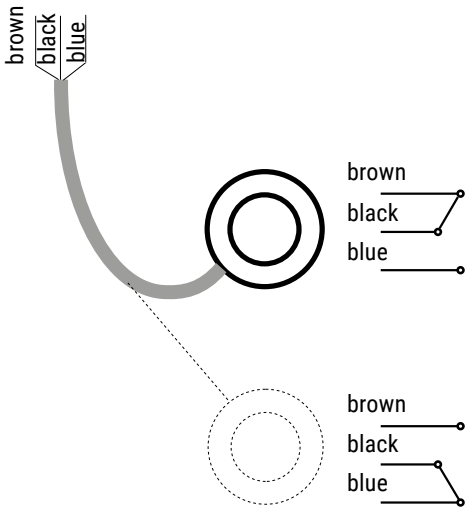
MIN-Alarm



Overfill protection



Electrical Specifications:



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