Float Ball / Float Switch



Galvanized Iron (SUS304) Float Ball



White Float Ball



Black Float Ball



Black Float Ball W/85mm Plastic Float Pillar

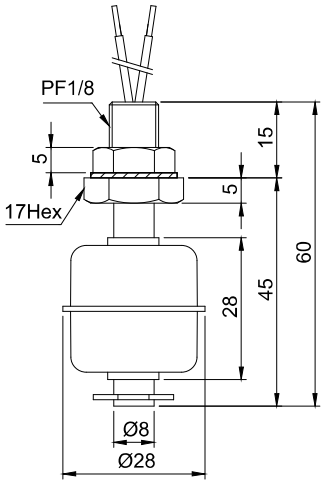


Black Float Ball W/85mm Alum. Float Pillar

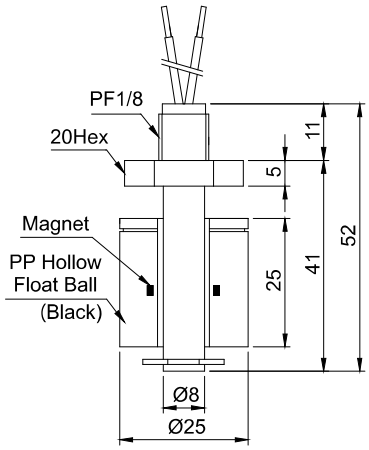


Float Ball W/Float Pillar, Float Holder, and Wiring Connector

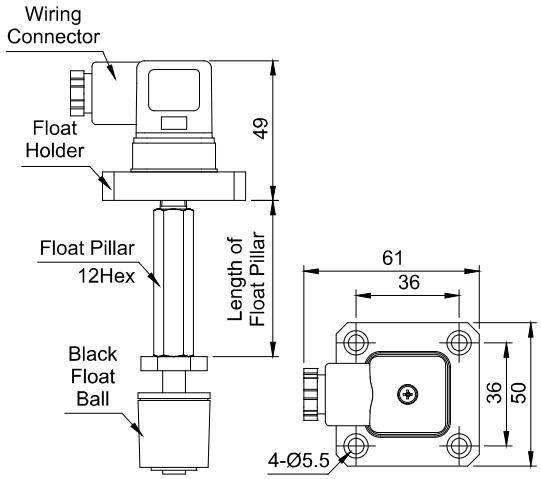
◆Dimensional Drawings



M21004 Galvanized Iron Float Ball



M21002 Black Float Ball



M21002 Black Float Ball W/Float Pillar, Float Holder, and Wiring Connector

◆Features

1. There are two contact types of float switches, NO contact and NC contact.
   - **NO Contact:** The float switch sends a continuous signal when the oil level is high.
   - **NC Contact:** The float switch sends a continuous signal when the oil level is low.
2. The float ball's specific gravity should be less than the oil's; otherwise, it cannot float. (The specific gravity of water is 1, and the specific gravity of general lubricants is between 0.85 and 0.90.)
3. When using oil with high viscosity, choose a large outer diameter of the float ball, so it can have greater buoyancy to overcome surface tension and have less misjudgment or malfunction when the level rises.
4. A magnet inside the float ball induces the reed switch by its movement. If the oil contains iron filings, it will result in misjudgment. Please make sure the oil is clean for precise detection.

◆Technical Data

Order Code	Model	Contact Type	Type	Float Ball Material	Outer Thread	Specific Gravity (SG)	Suitable Temp. (°C)	Max. Switching Current	Max. Carry Current	Max. Contact Capacity	N.W. (g)
DA01D004	M21004	NC	Galvanized Iron Float Ball	SUS304	PF1/8	0.7	-20 to 120	0.5A	1.0A	50W SPST	37
DA00D002	M21005	NO	White Float Ball	EVA/PP	M8xP1.25	1.0	-10 to 80	0.5A	1.0A	50W SPST	10
DA01D003	M21006	NC									
DA00D001	M21001	NO	Black Float Ball	PP	PF1/8	0.7	-20 to 80	0.5A	1.0A	50W SPST	12
DA01D001	M21002	NC									
DA10D001	S21005	NO	Black Float Ball W/85mm Plastic Float Pillar	PP	PF1/8	0.7	-20 to 80	0.5A	1.0A	50W SPST	68
DA11D001	S21006	NC									

※ S21005 and S21006 models: The standard length of the plastic float pillar is 85 mm for 2L and 3L oil tanks. Aluminum float pillars are available upon request. Please specify the length of the float pillar or the oil tank size while ordering.

※ S21005 and S21006 models can add float holders and wiring connectors upon request.