

QLevel HFS 1150 - Horizontal Float Switch Series

Compact side-mounted float switch for water and OEM systems

Certifications

Quality Lab Solutions data sheet R4



Applications

- Pump systems – level control
- Water tanks – compact switching
- OEM equipment – integration
- HVAC systems – liquid monitoring

Special Features

- Compact horizontal side-mounted design
- M16 threaded connection for simple installation
- Reversible NO/NC switching via float orientation
- Magnetic reed switch operation for reliable switching
- Double insulated and fully potted cable options available
- Wetted materials suitable for potable water applications
- WRAS / BS 6920 material compliance available upon application



HFS 1150

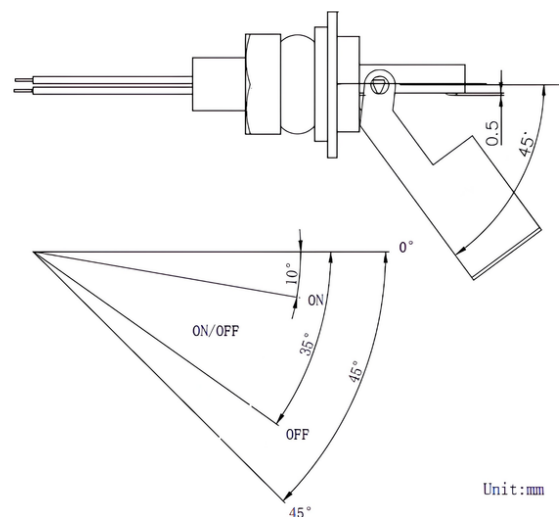
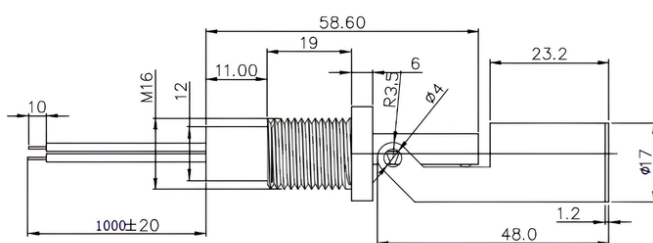
Description

The QLEVEL HFS 1150 Horizontal Float Switch is a compact side-mounted level switch designed for reliable liquid level detection in water-based systems. Utilising a magnetic float and reed switch mechanism, the device provides simple and dependable switching for high or low level control. The M16 threaded mounting enables straightforward installation into tank walls, while reversible NO/NC switching is achieved through float orientation. Wetted materials are selected for suitability in potable water applications, with configurable material and sealing options available. WRAS / BS 6920 material compliance can be supported upon application, allowing the product to be aligned with project-specific requirements.

Specifications

Performance Specifications	
Measurement Principle	Magnetic float with reed switch
Primary Measurement	Point level detection
Contact Form	SPST (NO/NC reversible)
Switch Action	Reversible by float orientation
Mounting	Threaded side entry
Thread	M16
Installation	Side-entry mounting; reversible switching; compact design
Actuation Direction	~30–40° float movement
Minimum Fluid SG	SG ≥0.85
Operating Angle	30–40°
Max Switching Power	20–25 W
Max Switching Voltage AC	240 VAC
Max Switching Voltage DC	120 VDC
Max Switching Current	0.6 A
Load Type	Resistive load only
Contact Resistance	≤100 mΩ
Insulation Resistance	≥10 ⁹ Ω
Electrical life	≥10 ⁵ cycles
Cable length	Custom length
Cable Type	UL2464 PVC
Cable Construction	Double insulated (configurable)
Cable entry	Fully potted (configurable)
Electrical connection	Flying lead
Wetted materials	PP float and body; silicone or EPDM seal
Material traceability	WRAS / BS 6920 material compliance available upon application
Medium	Water and compatible liquids
Medium Temp range	-20...+75 °C
Ambient Temp Range	-30...+90 °C
Storage Temp Range	-40...+100 °C

Dimensions:



Unit:mm

x ±0.5
x.x ±0.3
x.xx ±0.2

Order Guide

Segment	Options
QLevel	HFS1150
Material	PP / POM
Seal	EPDM / SIL
Cable	DI / SI
Length	1M / 2M/ Custom Length

Option Group	Code	Description
Material	PP	Polypropylene (standard)
Material	POM	Engineering polymer
Seal	EPDM	Potable water suitable
Seal	SIL	Silicone
Cable	DI	Double insulated
Cable	SI	Single insulated
Cable Length	1M	1 metre
Cable Length	2M	2 metre
Electrical	STD	Standard rating
Electrical	HI	High rating

Product family	Material	Seal	Cable	Cable Length
QLEVEL HFS 1150	PP	EPDM	DI	2M