

on at low level (filling)

for level control in tanks, basins, ...

available with a choice of connecting cables



Float Switch EHZ 6.1 U (Filling)

The EHZ 6.1 U is a mechanically activated float switch designed for level control in shafts, tanks, basins or similar. It is available with a choice of connecting cables which are resistant to water and waste water, oils and fats, many acids and bases.

Easy Operation

The desired activation level is simply adjusted by increasing or decreasing the free cable length between float switch and fixed point.

Technical Data

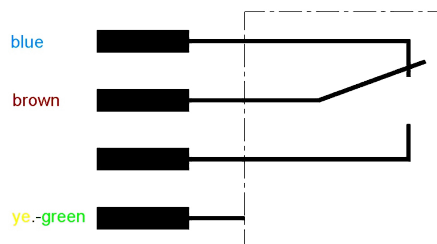
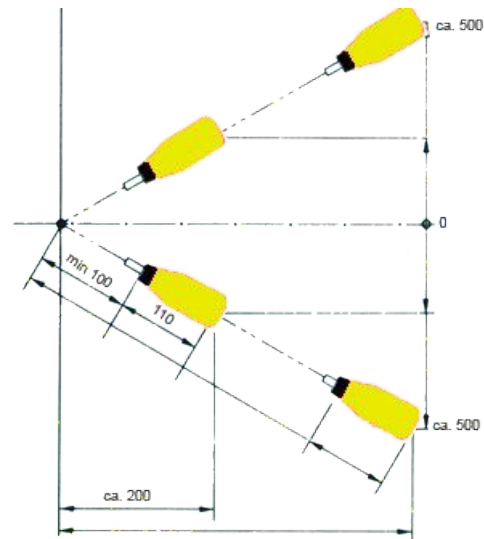
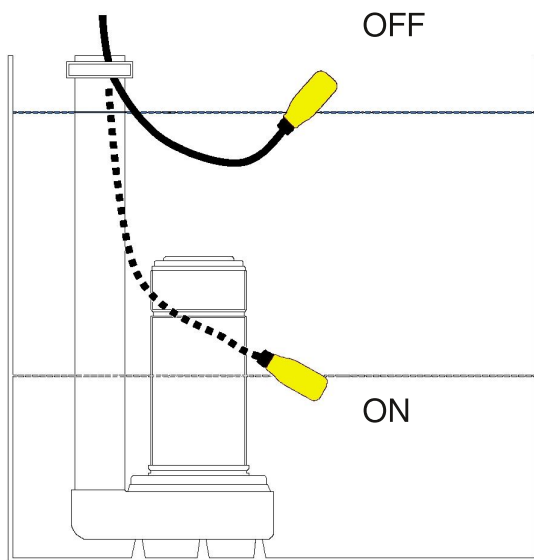
• Float Colour:	yellow	• Activation angle:	+/- 45°
• Standard cable:	H07RN8-F 3G1 black	• Dimensions:	115x68x41mm
• Max. electric load:	10(8) A 250V AC	• Volume:	210cm ³
• Motor Rating:	1HP/125V AC	• Weight:	110g
	2HP/250 V AC	• Buoyancy (in water):	100g
• Switching cycles:	min. 50'000	• Housing:	Polypropylene
• Operating temperature:	max. 40°C in water (with standard cable)	• Protection class:	IP68
• Storage temperature:	max. 95°C	• Certifications	
		- with standard cable:	EN 60730-1:2016+A1:2019 EN 60730-2-15:2019
		- with alternative cables:	CE

Cable Types

Examples of connecting cables for the EHZ B float switch. Depending on the application, cables with or without protective earth (PE) can be supplied. The information on media resistance is a guideline and tests may be required. For mor details, please contact us.

H07RN8-F 3G1 black	Standard cable with PE resistant to water/sewage water
05RN8-F 4G0,75 black	Standard cable with PE for changeover switches, resistant to water/sewage water
H07RN-F 2x1 blue	Cable without PE, resistant to water/sewage water , for EX-I applications
Polyurethane sheathing (H05BQ-F 3G1) yellow TPE sheathing (TPE/TPE) 3G1 and 4G1 green	Resistant to media containing oils and fats, acids, bases and several chemical agents
Silicone sheathing (Heat 180 EWKF 3G1)	Resistant to high temperatures

Schematics and Wiring



Notes

EHZ float switches are designed and manufactured according to general rules of technology and considered as safe to operate. They must, however, be installed by trained personnel. In case of damage to the connecting cable, the complete device has to be replaced.