

GREISINGER electronic GmbH

Operating Manual Level-Switch

GSS-F25



WEEE-Reg.-Nr. DE 93889386

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1 General Note

Read this document carefully and get used to the operation of the device before you use it. Keep this document within reach for consulting in case of doubt.

2 Functional Description

The device offers the user a simple and reliable solution for monitoring liquid levels. The "ON-OFF" level switch is an electromechanical device. The mechanical part consists of a shaft which is introduced in which the swimmer, a threaded or flanged process connection and an electrical connection. The operating principle is based on the motion of a floating magnet. The electrical switching element (reed switch) is located in the shaft and is actuated magnetically by the Float. The position of the switching element is fixed and cannot be changed by the user. The contacts are wired in accordance with standard regulations. The cable and the switch unit are sealed with epoxy.

3 Safety Requirements

This device has been designed and tested in accordance with the safety regulations for electronic devices. However, its trouble-free operation and reliability cannot be guaranteed unless the standard safety measures and special safety advises given in this manual will be adhered to when using the device.

1. **WARNING:** If there is a risk whatsoever involved in running it, the device has to be switched off immediately and to be marked accordingly to avoid re-starting.



Operator safety may be a risk if:

- there is visible damage to the device
- the device is not working as specified
- the device has been stored under unsuitable conditions for a longer time.

In case of doubt, please return device to manufacturer for repair or maintenance.

2. **WARNING:** Do not use these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury or material damage. Failure to comply with these instructions could result in death or serious injury and material damage.



4 Operation and Maintenance Advice

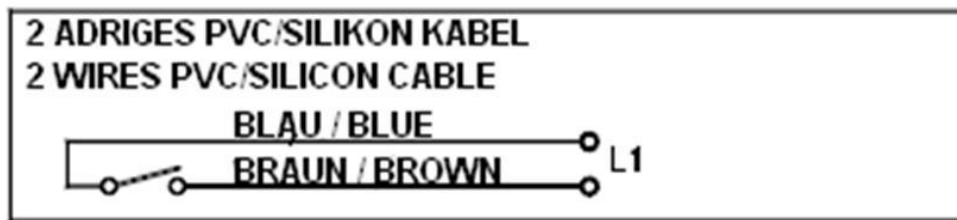
This device uses when appropriate mechanical and electrical specifications will be operated, no special maintenance. If the device is used to monitor crust-forming liquids, we recommend that you check the equipment regularly and, if available to remove the crust!

5 Installation

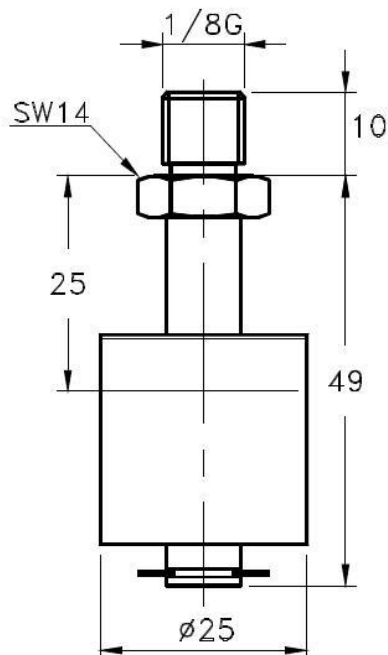
The devices have to be mounted in a tank in a vertical position ($\pm 15^\circ$) secured by a suitable mechanical device (threaded or flanged). Note here is that you include a suitable gasket between the connections.

Caution: Use only suitable tools for mounting and dismantling of the level switch.

5.1 Connection



6 Dimension



7 Technical Data

Float:	PVDF	
Density:	≥ 0,65 g/cm ³	
Sensor tube:	PVDF	
Max. pressure:	6 bar	
Max. temperature:	130 °C	
Connection:	1/8 "	
Electrical connection:	AC	DC
Power:	70 VA	50 W
Voltage:	300 V	300 V
Current:	0,5 A	0,7 A
Contact:	Closing contact	
working temperature:	-30...+55°C	
relative humidity	0...90% RH	
Differential gap:	25 mm	
Accuracy of switching point:	± 3 mm	
Cable length:	3 m	
Protection class:	IP65	

8 Disposal instruction



The device must not be disposed in the unsorted municipal waste! Send the device directly to us (sufficiently stamped), if it should be disposed. We will dispose the device appropriate and environmentally sound.