

Level Detection Sensor

| | |
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| 215 652 | NF |
| Index D1 | Page 1/2 |

Functions

See our **NF Manual**: Measurement & Float Level Switches.
Using a Contact Protection Relay is recommended. See **Manual R2F2**.

Introduction

The detector 215 652 consists of a **Mounting Flange** with four variable level "Detection Sensors". Each sensor comprises:

- a **Hirschmann Socket** for the wiring, mounted on a **Base**
- a **Stuffing Box** for setting the level.
- a **Guide Tube** for displacing the float(s)
- one or two **Floats**, depending on the number of contact points.

Specification

- **Material** : 316L stainless steel or brass guide tube
: 316L stainless steel or Phenolic Resin (BUNA) float
: PVC mounting flange
- **Reed contact** : Breaking power on resistive load
(80 VA) 0.3A, 230V AC
(80 VA) 0.6A, 127V AC
(48W) 1A, 48V DC
: Hysteresis = 1.5 mm
- **Connection** : By Hirschmann GDM 309 socket, IP65
- **Installation** : Upright by PVC Flange
- **Dimensions** : see page 2/2.

Conditions of Use

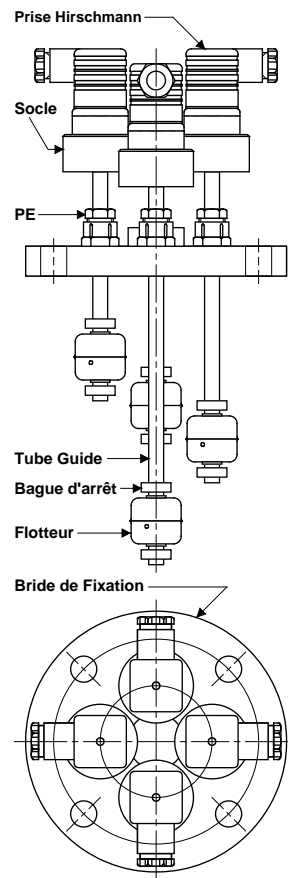
- **Media** : water, mineral oil, etc..
: Density > 0.7
: Max. temperature = 90°C

Installation

Upright on the top of the tank (the stuffing box varies the depth).

To change the nature of the contact (NO or NC), return the float. This may require the position of the stops to be adjusted:

- **Normally Open**: Closing by rising level.
- **Normally Closed**: Closing by falling level.



| Stainless steel float | BUNA float |
|---|------------|
| | |
| Floats represented with NC contact | |

Ordering information

| | | | | 215652 - | | | | | | | |
|-------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|---|---|---|--|--|---|
| Guide tube & Base | | 316L stainless steel | & Float | 316L stainless steel | | X | X | | | | |
| | | Brass | & Float | BUNA (Phenolic Resin) | | L | B | | | | |
| Sensors | Sensor No. 1 | With 1 Contact | L = ____ | L1 = ____ (NO or NC) | | | | 1 | | | |
| | | With 2 Contacts | L = ____ | L1 = ____ (NO or NC) | L2 = ____ (NO or NC) | | | 2 | | | |
| Sensor No. 2 | Without sensor No. 2 | / | / | / | | | | 0 | | | |
| | With 1 Contact | L = ____ | L1 = ____ (NO or NC) | / | | | | 1 | | | |
| Sensor No. 3 | With 2 Contacts | L = ____ | L1 = ____ (NO or NC) | L2 = ____ (NO or NC) | | | | 2 | | | |
| | Without sensor No. 3 | / | / | / | | | | 0 | | | |
| Sensor No. 4 | With 1 Contact | L = ____ | L1 = ____ (NO or NC) | / | | | | 1 | | | |
| | With 2 Contacts | L = ____ | L1 = ____ (NO or NC) | L2 = ____ (NO or NC) | | | | 2 | | | |
| Sensor No. 4 | Without sensor No. 4 | / | / | / | | | | | | | 0 |
| | With 1 Contact | L = ____ | L1 = ____ (NO or NC) | / | | | | | | | 1 |
| | With 2 Contacts | L = ____ | L1 = ____ (NO or NC) | L2 = ____ (NO or NC) | | | | | | | 2 |

Note 1: The lengths L, L1 and L2 must be defined within the limits given in the Dimensions section (see page 2/2).

Subject to change without notice.



Level Detection Sensor

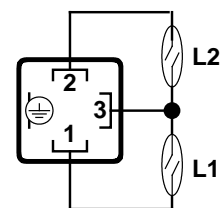
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|----------|----------|
| 215 652 | NF |
| Index D1 | Page 2/2 |

Wiring

Nature of Contacts: Standard, delivered with contacts Normally Open (NO: Closing by rising level).

To change the nature of the contact (NO or NC), see § Installation, page 1/2.

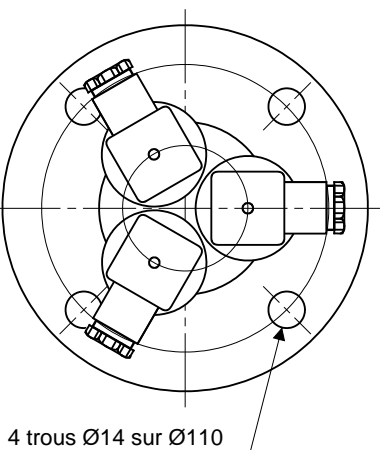
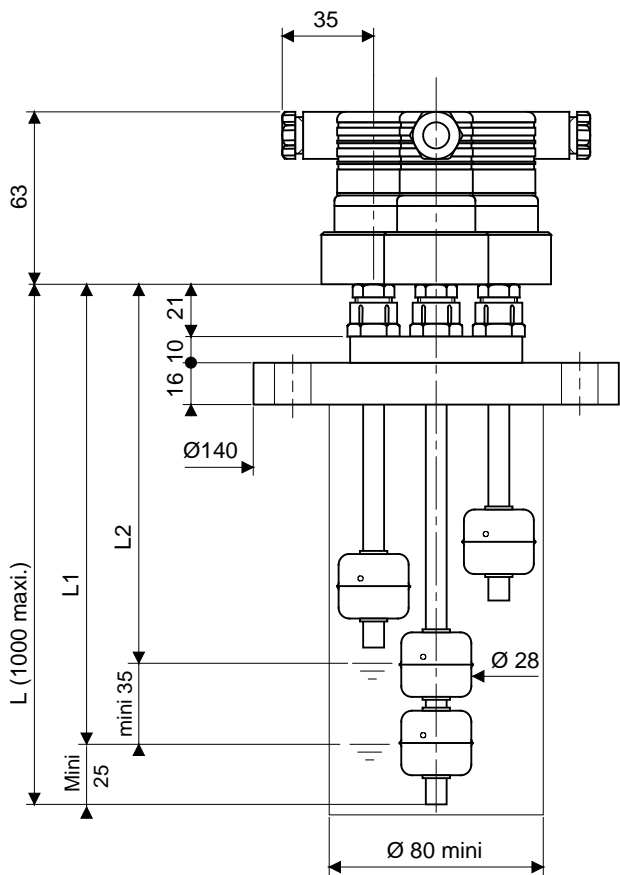
- Terminal 3** : common
- Terminal 2** : High level
- Terminal 1** : Low level



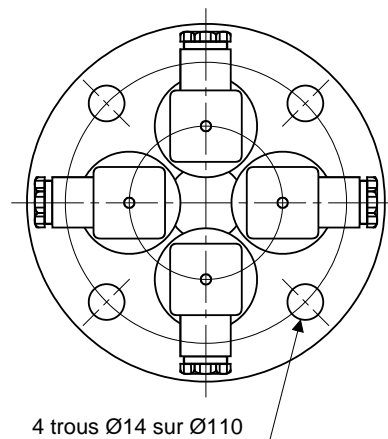
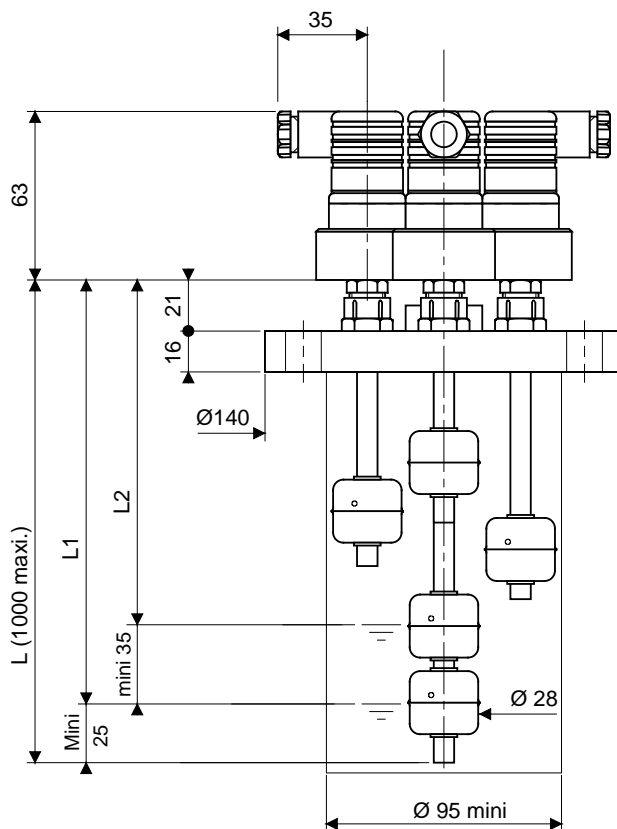
Dimensions (in mm)

The lengths L, L1 and L2 must be defined with the BASE of the Hirschmann socket abutting the stuffing box.

Model with 1, 2 or 3 sensors



Model with 4 sensors



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