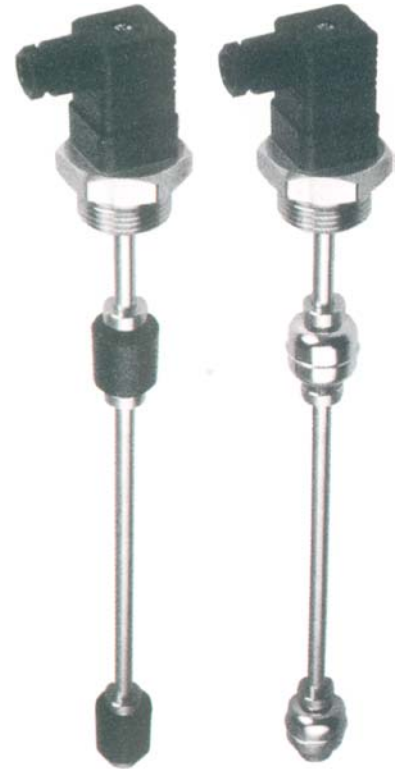


Level Detection Sensor with Float

- ❑ **Probe head: Aluminium, stainless steel or plastic**
- ❑ **Brass or stainless steel connection & pipe**
- ❑ **Stainless steel or BUNA (Phenolic Resin) floats**
- ❑ **ALL STAINLESS STEEL version**

- ❑ **Mounting options - G1" connection**
- **Flange DN32 PN10**
- **G1" sliding connection**
- **Others: Contact us for**



details

- ❑ **Length δ 1 metre**
- ❑ **Other lengths, please contact us!**

- ❑ **One to four single contacts**
- ❑ **One or two changeover contacts.**

Functions & Introduction

See our **NF Manual: Measurement & Float Level Switches**

Using a Contact Protection Relay is recommended - see **R2F2 manual**.

Technical specifications

Probe head	Hirschmann IP65 socket	2 contacts maximum		
	IP55 aluminium housing	4 contacts maximum	Independent or Common	
	Stainless steel housing	4 contacts maximum	Independent or Common	
Fixing & Tube	G1" connection	Brass	With brass guide tube	
		316L stainless steel	With 316L stainless steel guide tube	
	G1" sliding connection	Brass	With brass guide tube	
		316L stainless steel	With 316L stainless steel guide tube	
DIN flange DN32 PN10	316L stainless steel	316L stainless steel guide tube		
Float	Material	Density	T° max	Pressure
	316L stainless steel	ε; 0,8	-10° to 100°C	20 bar max.
	BUNA (Phenolic Resin)	ε; 0.6	-10° to 90°C	10 bar max.
Electrical contact	REED bulb /Switch, FlexibleLeaf(ILS)			
	These contacts are optionally at "Open/Close" or "Changeover". They are not bistable: Contact is maintained by the stops that block the float facing the REED bulb.			
	Standard	Single with Shared ILS	P.d.C. 40W/VA/400VAC/2A	
	Option	Single Independent ILS	P.d.C. 40 W/VA/400V AC/2A	
ILS changeover		P.d.C. 20 W/VA/150V AC/1A		
Accuracy	± 1 mm			
Hysteresis	1.5 mm			

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Level Detection Sensor with Float

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Probe Heads & Wiring Diagram (Dimensions in mm)

DIAGRAM 1A	DIAGRAM 1B	DIAGRAM 1C
Hirschmann socket	Aluminium head	Stainless steel head
SINGLE contact(s)	"SINGLE" contact(s)	
	<p>With Common</p>	<p>Contact(s)</p> <p>"CHANGEOVER"</p>
CHANGEOVER contact		
<p>Terminal ⊕: Ground</p> <p>Terminal 1: NF</p> <p>Terminal 2: NO</p> <p>Terminal 3: Common</p>		

Remarks

Please observe the contact breaking power (see Technical specifications)

Using a Contact Protection Relay is recommended - see our R2F2 manual.

Our contacts are not bistable. Contact is maintained by the stops that block the float facing the REED bulb.

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Level Detection Sensor with Float

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Mounting Type - Dimensions (in mm)

DIAGRAM 2: G1" connection

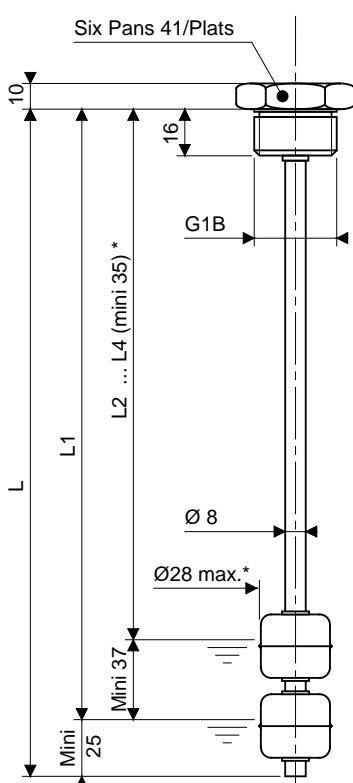


DIAGRAM 3: Flange DN32 PN10

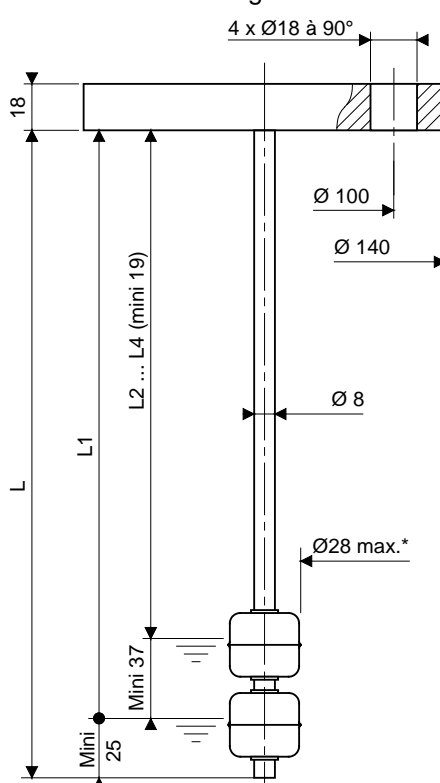
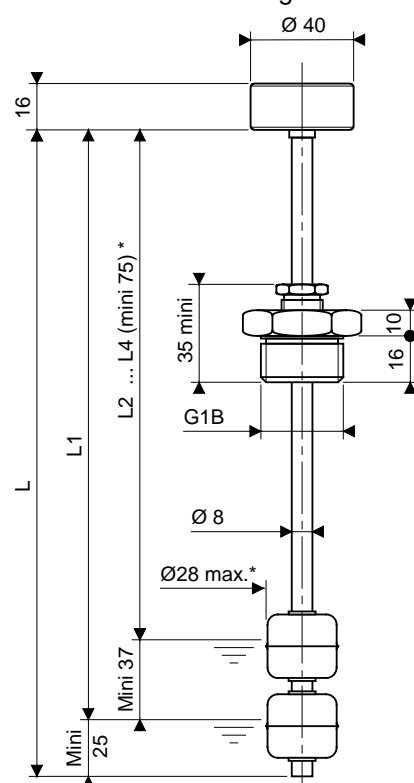


DIAGRAM 4: G1" sliding connection



Installation

Install the probe in the upright position by fixing it by the connection or flange depending on your model. On probes with a sliding connection, the latter adjusts for depth.

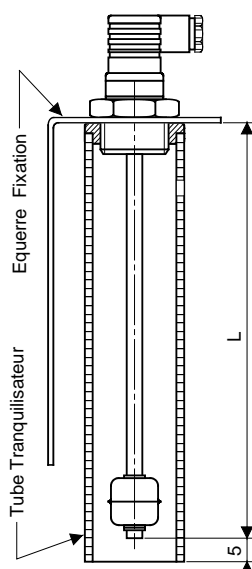
The Standard connection (G1") allows the passage of the floats through the orifice.

However, it is possible to remove the floats by taking the stops out of the guide tube.

CAUTION

If the installation is in a tank with strong eddies, we recommend installing a "Standpipe" (see opposite) whose function is to protect:

- the "Contact" against tampering,
- the "guide tube" against excessive mechanical stress.



Subject to change without notice.

Open/Closed Contact

To change the nature of the contact (NO or NC), turn the float according to the diagrams below.

Stainless steel float	BUNA float
<p>Floats represented with NC contact NO: Closing by rising level. NC: Closing by falling level.</p>	

N.B.: our contacts are not bistable. Contact is maintained by the stops that block the float facing the REED bulb, positioned inside the guide tube.

Level Detection Sensor with Float

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Your choice of probe & standard part numbers table

- Choose your part number in the **Table** below: DF07 _ _ _ _ _
- Complete the table below to define: Detection points, Contact nature (NO/NC), lengths L, L1, etc.:

	L1	L2	L3	L4	(1) See Installation section, pages 3/4. (2) Within the limits defined in the Dimensions section, on pages 3/4.
NO or NC contact ⁽¹⁾					
Length (in mm) ⁽²⁾					

- Set Total Guide Tube Length - Length L = _ _ _ _ mm ($L \leq 1000$ mm and $L \geq L1+25$ mm).

Standard reference tables

Probe head		Mounting and Guide Tube		Float	Dimensions		Item code
Type	Contacts	Fixing	Material	Material	Head	Probe	
Socket Hirschmann IP65	Max. 2	G1" connection	Brass	316L stainless	Diagram 1A	Diagram 2	DF0762 LSFC
				BUNA/Resin	Diagram 1A	Diagram 2	DF0762 LSFC1
			316L	316L stainless	Diagram 1A	Diagram 2	DF0763 LSFC
				BUNA/Resin	Diagram 1A	Diagram 2	DF0767 LSFC
		G1" connection SLIDE	Brass	316L stainless	Diagram 1A	Diagram 4	DF0762 LSRA
				BUNA/Resin	Diagram 1A	Diagram 4	DF0762 LSRA1
			316L	316L stainless	Diagram 1A	Diagram 4	DF0763 LSRA
				BUNA/Resin	Diagram 1A	Diagram 4	DF0767 LSRA
		Flange DN32 PN10	316L	316L stainless	Diagram 1A	Diagram 3	DF0764 LSFC
				BUNA/Resin	Diagram 1A	Diagram 3	DF0766 LSFC
Housing Aluminium IP55	Max. 4	Flange DN32 PN10	316L	316L stainless	Diagram 1B	Diagram 3	DF0768 LSFC
				BUNA/Resin	Diagram 1B	Diagram 3	DF0768 LSDN
		G1" connection	316L	316L stainless	Diagram 1B	Diagram 2	DF0769 LSFC
				Brass	316L stainless	Diagram 1B	Diagram 2
		BUNA/Resin	316L stainless		Diagram 1B	Diagram 2	DF0769 LSFC2
			G1" connection SLIDE	316L	316L stainless	Diagram 1B	Diagram 4
		Brass			316L stainless	Diagram 1B	Diagram 4
			BUNA/Resin	Diagram 1B	Diagram 4	DF0769 LSRA2	
Housing STAINLESS	Max. 4	Flange DN32 PN10	316L	316L stainless	Diagram 1C	Diagram 3	DF0768 TXDN
		G1" connection	316L	316L stainless	Diagram 1C	Diagram 2	DF0769 TXFC
		G1" sliding	316L	316L stainless	Diagram 1C	Diagram 4	DF0769 TXRA

Accessories & Spare Parts

Description	Material	Dimensions	Item code
Sliding connection G1" (Comes with PE)	316L stainless	See pages 3/4, Diagram 4	216 672
	Brass	See pages 3/4, Diagram 4	216 673
G1" nut	316L stainless	Hexhead 46/Flats Thickness 10 mm.	216 723
	Polyamide	Ø 50 mm, thickness 10 mm	215 104
Mounting Bracket	316L stainless	See page 2/4 and NR manual	215 106
Standpipe	PVC	See page 3/4	216 224
Float	Stainless	See page 3/4	215 182
	BUNA	See page 3/4	215 066

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