

## Level Switch/Temperature Option

**UNS1000-BN18**

### Features

- ▶ For bulkhead unions 3/4" NPT and 1" NPT
- ▶ Compact design
- ▶ Monitor level and temperature
- ▶ Multiple lengths for top mount

### Applications

- ▶ OEM applications
- ▶ Accessories for hydraulic reservoirs
- ▶ Mineral oil applications
- ▶ Power Packs



### General Specifications\*

<b>Materials:</b>	
Bulkhead union:	Brass
Contact tube:	Brass
Float stopper:	Bronze
Float:	Foamed NBR
<b>System of protection:</b>	IP65
<b>Process connection:</b>	
Male thread:	3/4" NPTM 1" NPTM G1/2" M20 x 1.5
<b>Electrical connection:</b>	Plug M12 x 1, 4-pin, PA Plug DIN EN 175301-803-A (former DIN 43650), 4-pin, PA Cable gland, w/ PVC cable
<b>Electrical values:</b>	0.7A, 42 VAC 0.2A, 230 VAC
<b>Operating temperature:</b>	14 °F to 194 °F (-10 °C to +90 °C)

<b>Operating pressure:</b>	Max. 4 bar (400 kPa = 58 psi)
<b>Specific Gravity:</b>	Min. 0.64
<b>Depth of immersion at density 1:</b>	0.59 ±0.08 inch (15 ±2 mm)
<b>Temperature switch:</b>	Bimetal
Temperature range:	10 K-steps 140 °F to 194 °F (+60 °C to +90 °C)
Indexing tolerance:	±5 K
Differential gap:	30 ±15 K
Contact:	NC (the contact is closed at room temperature)
<b>Switching point:</b>	Standard: 1 float for 1 switching point

\* See Product Configurator for additional options.

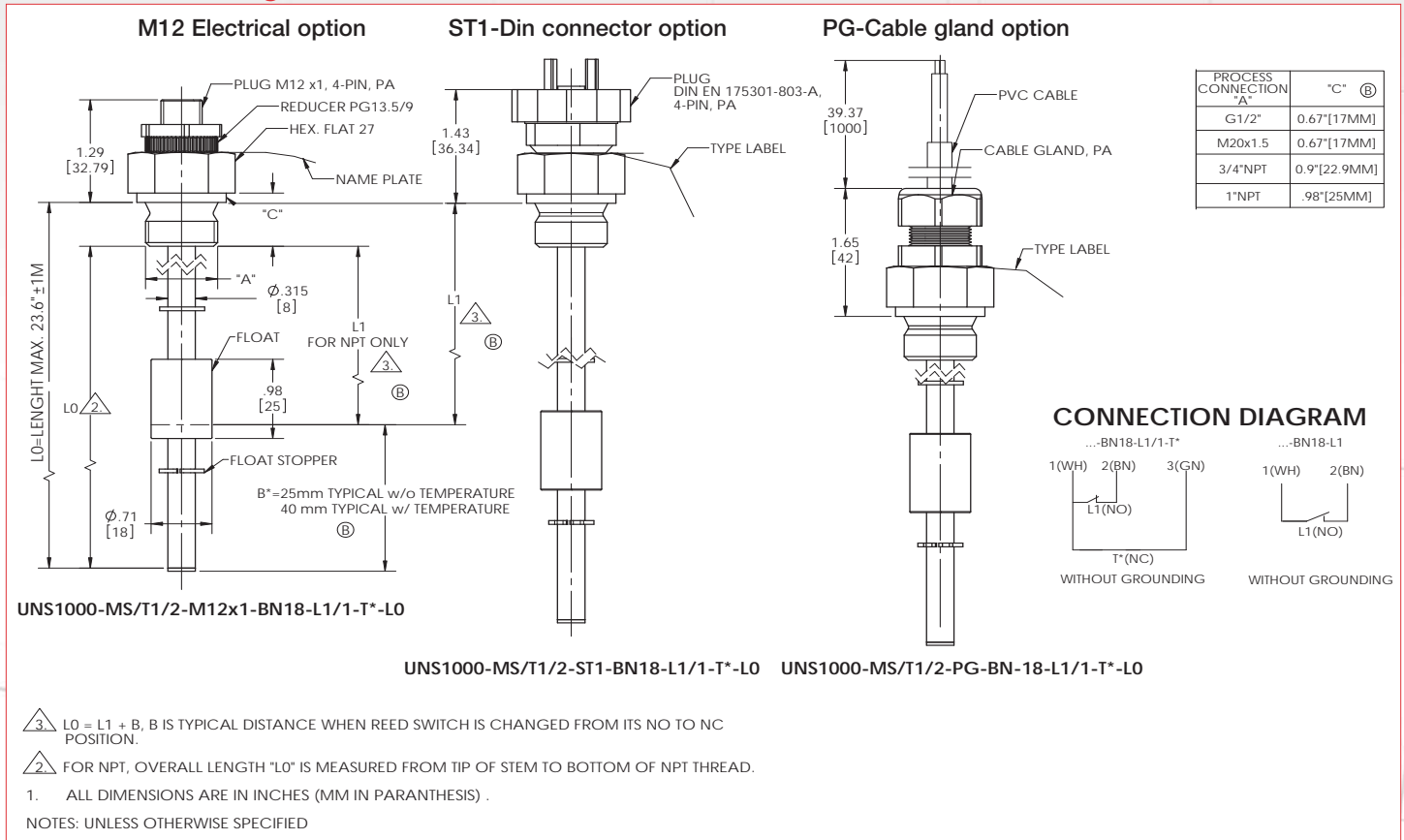
### Accessories

Order Number	Description
907-0534	ST1 socket acc. to DIN EN 175 301-803-A (former DIN 43650) with PG9 made from PA
907-0344	M12 x 1-socket (circular connector, straight) with PG9 made from PA

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# UNS1000-BN18

## Technical Drawing



## Product Configurator

Example **UNS1000 - MS / T1/2 - ST1 - BN18 - L1/1 - TS60/2 - L0 = 18.7 inches**

### Basic Configuration

UNS1000 UNS1000

### Material Stem

- MS Standard

### Process Conn.

T1/2	G1/2
M20x1.5	M20 x 1.5
T3/4NPT	3/4 NPTM
T1NPT	1" NPTM

### Electr. Conn.

- ST1	Plug DIN EN 175301
- M12x1	Plug M12x1, 4-PIN
- PG	Cable gland w/ PVC cable

### Float

- BN18 Standard

### Switch Function

- L1/1	Level only, normally open
- L1/2	Level only, normally closed

### Length

-L0 Max overall length is 23.6" (600 mm)

### Option - Temperature Range

- TS60/2	60 °C (140 °F) normally closed
- TS70/2	70 °C (158 °F) normally closed; standard
- TS80/2	80 °C (176 °F) normally closed
- TS90/2	90 °C (194 °F) normally closed
- NT	Temperature not required