Level Switch/Temperature Option

Features

- For process connection 3/4" NPT and 1" NPT
- Compact design
- Monitor level and temperature
- Various lengths for top mount systems
- M12, DIN, or cable connection options

Applications

- OEM applications
- Accessories for hydraulic reservoirs
- Hydraulic power units
- Tank level detection



General Specifications*

* See Product Configurator for additional options.

Materials: Construction: Float stopper: Float:	Brass Bronze Foamed NBR (BUNA)
System of Protection:	IP65
Process Connection: Male Thread: (Top mount only:)	3/4" NPTM 1" NPTM G1/2" M20 x 1.5
Electrical Connection:	M12 x 1, 4-pin DIN EN 175301-803-A (former DIN 43650), 4-pin Cable gland, w/ PVC cable
Electrical Values:	0.7A, 42 VAC; 0.2A, 230 VAC Max 24 VDC; max 1 amp; max 16 VA/VV
Operating Temperature:	14 °F to 194 °F (-10 °C to +90 °C)

Operating Pressure:	Max. 4 bar (400 kPa = 58 psi)
Specific Gravity:	Min. 0.64
Depth of Immersion of Float at Density 1:	0.59 ±0.08 inch (15 ±2 mm)
Temperature Switch: Temperature Range:	Bimetal 10 K-steps 140 °F to 176 °F (+60 °C to +80 °C)
Indexing Tolerance: Differential: Contact:	±5 K 30 ±15 K NC (Normally Closed and opens at temp) or NO (Normally Open and closes at temp)
Switching Point:	1 float for 1 switching point
Approvals:	cURus

Connection Diagram

1 (WHITE) 2(BLACK) 1 (WHITE) 2(BLACK) 3(RED)

/-Ľ LEVEL (NO OR NC) WITHOUT TEMP SENSOR

4-LEVEL (NO OR NC)

TEMPERATURE SENSOR (NO OR NC)

UNS1000-BN18

Barksdale

CRANE Barksdale, Inc./Barksdale GmbH A Subsidiary of Crane Co.

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Technical Drawing



2. FOR NPT, OVERALL LENGTH "LO" IS MEASURED FROM TIP OF STEM TO BOTTOM OF NPT THREAD. FOR METRIC THREAD, LENGTH IS SPECIFIED AS LO + "B".



Product Configurator



NOTE:

1. Level switch position as being in a dry tank.

2. Ordering code example: L1BHD116L200 is a Level Switch with 3/4 NPT fitting with DIN plug,

normally open level with normally closed 60 °C sensor and an LO of 20.0 inches long.

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