

Level Switches

Type UNS1000-BN18-TC

Level- and temperature switch in telescopic design for monitoring hydraulic tanks („Power Packs"). Modern hydraulic reservoirs have a high specific output volume that can result in high oil temperatures under load. Level-and temperature monitoring is a unrenounceable safety factor for the complete plant.

Features

for bulkhead unions G1/2",
high flexibility by telescopic principle,
Compact Design

Applications

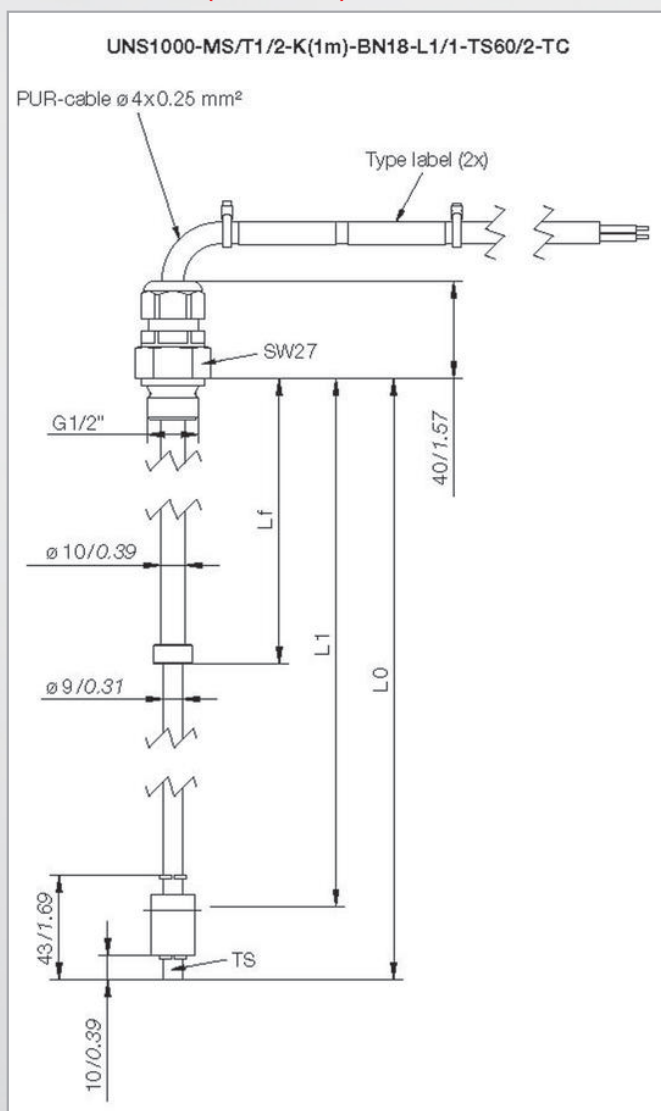
OEM applications,
Accessories for hydraulic reservoirs,
Mineral oil applications



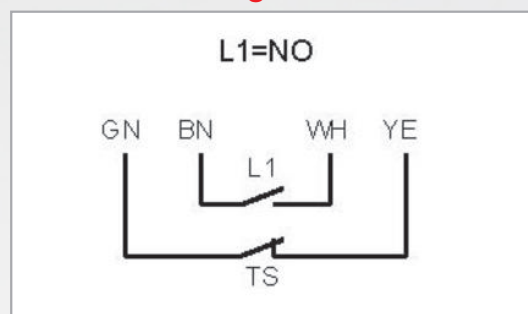
Technical Data

Materials:	
Bulkhead union:	Brass
Contact tube:	Brass
Float stopper:	Bronze
Float:	foamed NBR
System of protection:	IP65
Housing:	---
Process connection:	
male thread:	G1/2" DIN ISO 228-1 = T1/2
Electrical connection:	
	Cable ø 4 x 0.25 mm ² Cable gland, PA
Electrical values:	
	max. 24 V AC / DC max. 1 A max. 20 VA / W
Operating temperature:	-10 °C ... +90 °C (14 °F ... 194 °F)
Operating pressure:	atmospheric
Density:	min. 0.64 g/cm ³
Depth of immersion at density 1:	15 ±2 mm
Temperatur switch:	bimetal
Temperature range:	+60°C (140°F)
Indexing tolerance:	±5 K
Differential gap:	30 ±15 K
Contact:	NC (the contact is closed at room temperature)
Switching points:	
Standard:	1 float for 1 switching point
Approval:	---

Dimensions (mm / inch)



Connection Diagram 1



Order Code

UNS1000-MS/T1/2-K(1m)-BN18-L1/1-TS60/2-TC

Order No.	Length L0 [mm]	Length L1 [mm]	Length Lf [mm]	Tolerance
0112-987	190 ... 260	160 ... 230	145	±3 mm
0112-988	250 ... 380	220 ... 350	205	±3 mm
0112-989	375 ... 630	345 ... 600	330	±3 mm

UNS1000-MS/T1 NPT-K(1m)-BN18-L1/1(2)-TS60/2-TC

Order No.	Length L0 [mm]	Length L1 [mm]	Length Lf [mm]	Tolerance
0112-1108	170 ... 240	140 ... 210	120	±3 mm
0112-1109	230 ... 360	200 ... 330	185	±3 mm
0112-1110	355 ... 610	325 ... 580	310	±3 mm

Further lengths and temperature switching points upon request