Level Switches

UNS1000 BN18

Level and temperature switch 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" and M 20 x 1.5 Compact Design

Applications

OEM applications, Accessories for hydraulic reservoirs, Mineral oil applications



Technical Data

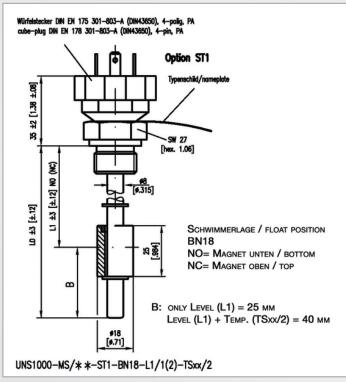
Materials: Bulkhead union: Contact tube: Float stopper: Float:	Brass Brass Bronze foamed NBR
System of protection:	IP65
Housing:	
Process connection: male thread:	G1/2" DIN ISO 228-1 = T1/2 M20 x 1.5 DIN 13
Electrical connection:	Plug M12 x 1, 4-pin, PA Plug DIN EN 175301-803-A (former DIN 43650), 4-pin, PA Cable gland, PA
Electrical values:	max. 24 V AC / DC max. 1 A max. 15 VA / W
Operating temperature:	-10 °C +90 °C (14 °F 194 °F)

Operating pressure:	max. 4 bar (400 kPa = 58 psi)
Density:	min. 0.64 g/cm3
Depth of immersion at density 1:	15 ±2 mm
Temperatur switch:Temperature range: Indexing tolerance: Differential gap: Contact:	bimetal 10 K-steps +60 °C +90 °C (140 °F 194 °F) ±10 K 30 ±15 K NC (the contact is closed at room temperature)
Dual switch:Switching points: Distance L1 - L2: Kind of contact, opt.:	Standard: 1 float for 1 switching point Dual: 1 float for 2 switching points min. 32 mm acc. to ASAM (L1 = Pin 1+2 / L2 = Pin 1 + 4) only with M12 x 1
Approval:	

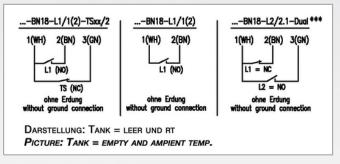
Accessories

Order Number	Description
907-0013	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

Dimensions (mm / inch)



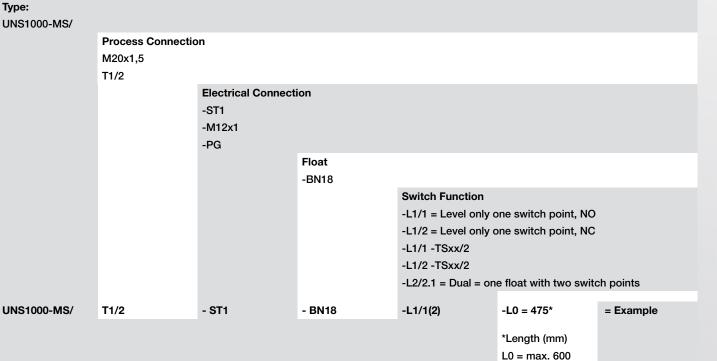
Connection Diagram 1



Order Code

Type:

UNS1000-MS/



length > 600 mm on request