

Multi Level Switch

UNS-2000 Series

Features

- ▶ Fully customizable
- Up to 6 independent switch points
- Reversible switch logic
- Suitable for high viscosity liquids
- Optional integral temperature switch
- ► Hermetically sealed reed switches

Applications

- Sump tanks
- Hydraulic power units
- Storage tanks
- Solvent recovery systems
- Lube oil console systems
- Marine applications



General Specifications*

Max. Operating Pressure:	580 PSI (40 bar), depends on mounting element and float
Minimum Specific Gravity:	
NBR (BUNA):	0.6 g/cm ³
S.S:	0.78 g/cm ³
Mounting Position:	Vertical, ±30°, through top or bottom
Protection Class:	IP65 for ST-, KL- and PG-design IP67, IP68 on request IP54 for K-design

^{*} See Product Configurator for additional options.

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Operating Temperature:	+14 °F to +221 °F (-10 °C to +105 °C),
	PVC-cable
Special Design Options: (On Request)	DR - Damping Tube HT - High Temperature Application - (-40 °C up to +150 °C) F- Silicone Cable U - Mounting location through bottom PT100 - PT100-Element TP - Temperature switch V V - Vertical Adjustment EXi - ATEX-approval EEx ia
Contact Mode:	NO or NC are defined on the basis of an empty tank and for installation through the top
Weight:	Depends on length and design

Max. Switchpoints

	KL6 / KL6C / ST2 / KXP / KX8	KL12 / KL12C	PG/K/C	KX4 / M12x1	ST1
Connect Group 1	5	6	6	3	2
Connect Group 2	2	4	4	1	1
Connect Group 3	3	4	4	2	1
Connect Group 4	2	3	3	1	1

Combinations

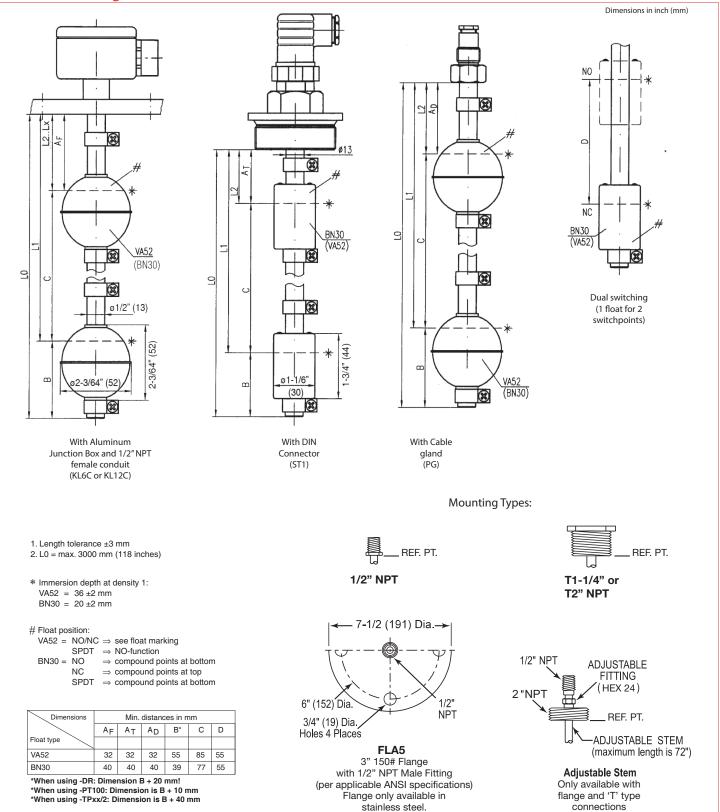
Material	Mounting	Electrical Connection	Float	
Stainless Steel (VA)	T1-1/4 NPT T2 NPT FLAS	DIN Connector (ST1 & ST2) Terminal box (KL6C or KL12C) Cable gland (PG) PVC Cable (K)	Stainless Steel (VA52)	
	1/2 NPT	Cable gland (PG) PVC Cable (K)		
Brass (MS)	T1-1/4 NPT T2 NPT	DIN Connector (ST1 & ST2) Terminal box (KL6C or KL12C) Cable gland (PG) PVC Cable (K)	NBR (Buna-N) (BN30)	
	1/2 NPT	Cable gland (PG) PVC Cable (K)		

Wiring Color / Code

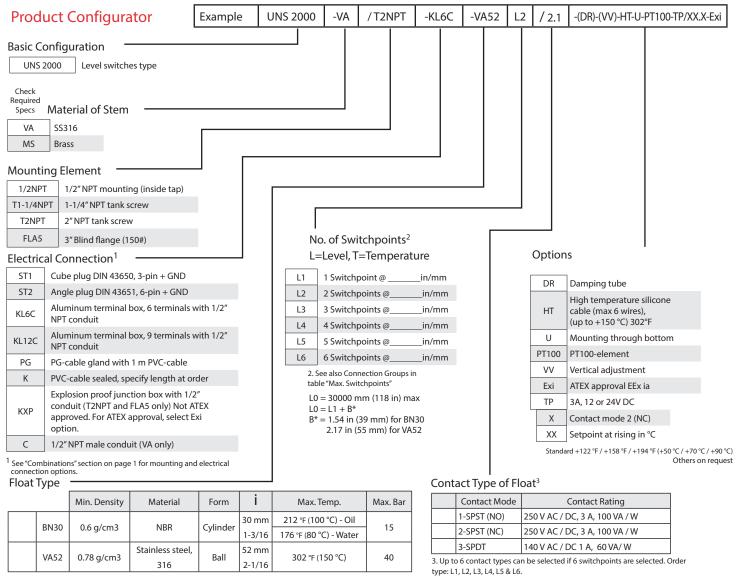
Group 1 SPST	parallel	circuit Terminal	Group 2 para (SPDT)	allel circuit Terminal
L3 L2	white pink grey yellow green	1 (common) 6 5 4	white black red blue pink grey yellov	9 8 7 6 5
Group 3 si (SPST)	brown ingle circ	2	L1 greer brown	3
L4 b L3 p L2 y L2 g	lue ink rey ellow reen rown	8 7 6 5 4 3 2	black red blue pink grey yellow green L1 brown white	9 8 7 6 5 4 3 2

Formerly Series BLS 800

Technical Drawing



Formerly Series BLS-800



Must specify with your orders Check List: 1 - Overall stem length: L0= (in/mm) (Upto 3000mm std.) 2 - Add dimensional position of float 3 - Pick wiring code: q Group 2 **q** Group 3 **q** Group 1 **q** Group 4 SPST SPDT 1 (common) white 1 (common) red black black red red blue pink pink pink grey yellow grey areen green yellow green _ L1 brown brown