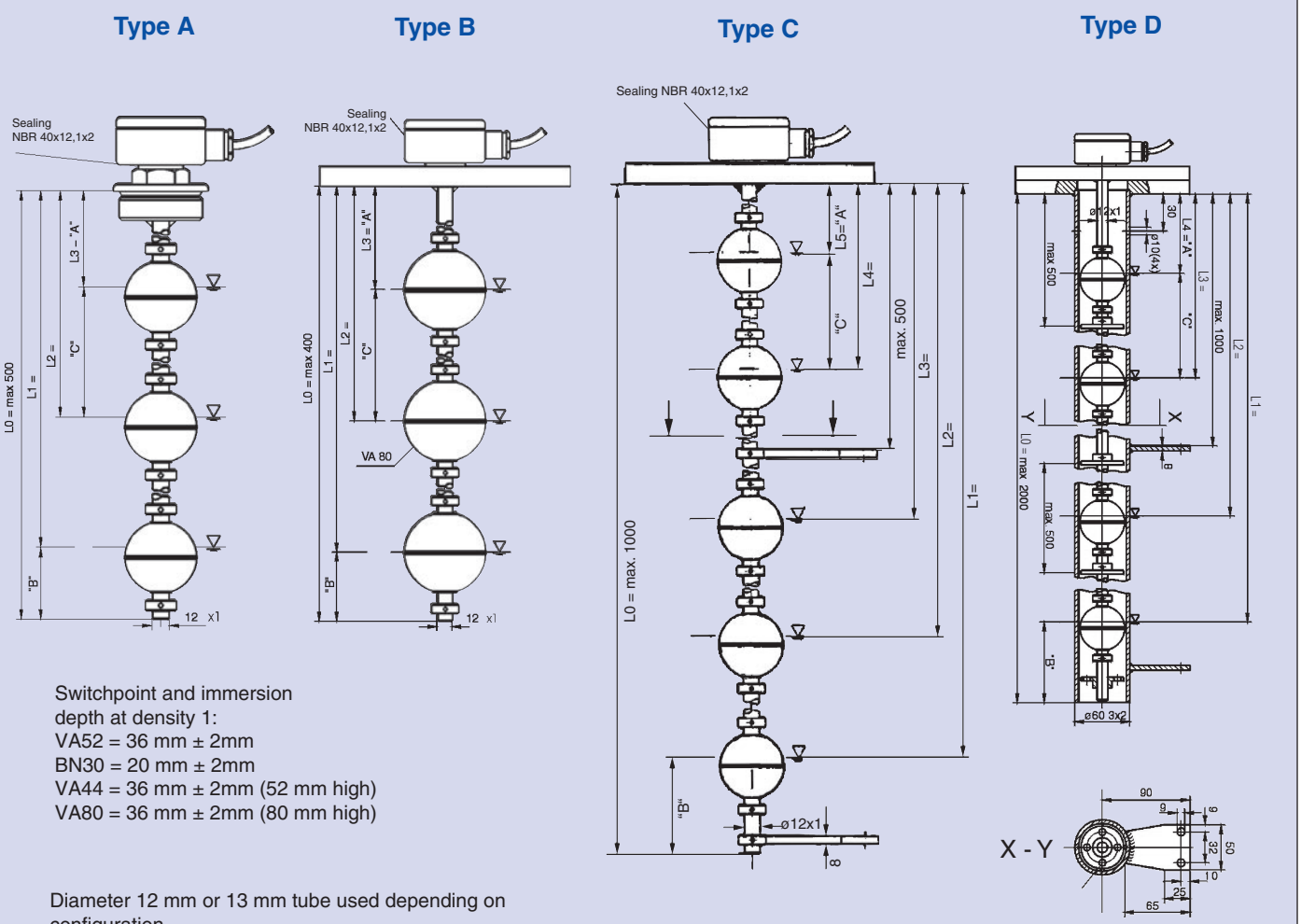
Multi Level Switches Type UNS-2000-S

Dimensions (in mm)



Switchpoint and immersion depth at density 1:
VA52 = 36 mm ± 2mm
BN30 = 20 mm ± 2mm
VA44 = 36 mm ± 2mm (52 mm high)
VA80 = 36 mm ± 2mm (80 mm high)

Diameter 12 mm or 13 mm tube used depending on configuration

Min. Distances (in mm)

Dimensions / Float type	Type A			Type B			Type C			Type D		
	A	B	C	A	B	C	A	B	C	A	B	C
BN30	60	39	77	40	39	77	40	49	77	24	59	87
VA52 /VA44	52	55	85	32	55	85	32	75	85	16	75	95
VA80	83	55	115	63	55	115	63	75	115	47	75	125

923-1817-A
Barksdale Level Switches
Specifications are subject to changes without notice.

Multi Level Switches Type UNS-2000-S

Technical Data

The multi Level Switch Series 2000-S is available for shipbuilding with certain limitations in order to comply with shock, vibration and environment requirements.
The approvals have listed four different versions based upon the maximum total length L0 and the different floats, these are:

A) Type A: L0 = max 500 mm, all floats
B) Type B: L0 = max 400 mm, VA-floats only
C) Type C: L0 = max 1000 mm,
all floats, with bracket(s) at max. 500 mm spacing
D) Type D: L0 = max 2000 mm with slosh tube
and brackets at max. 1000 mm spacing

A wide selection of mounting elements, electrical connections and options allow you to “design” your own switch, within the given dimension limits, for your particular application.

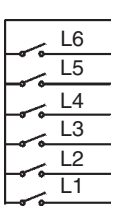
Beside the standard SS 316 Ti / 1.4571 we can supply flanges in normal steel. Shipping and installation of switches with large flanges can be difficult and therefore a version with a 2” mounting plug to be installed on site in a flange with a 2” hole might be the answer, consult us for details.

For technical data, switch and operation limits of the UNS-2000-S series are as the standard version.

Diameter 12 mm or 13 mm tube used depending on configuration.

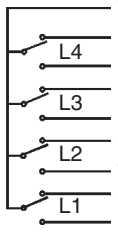
Contact Wiring and Colour Code

Group 1 SPST



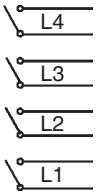
	Terminal
white	1
blue	7
pink	6
grey	5
yellow	4
green	3
brown	2

Group 2 SPDT



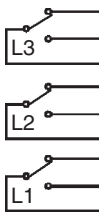
	Terminal
white	1
black	9
red	8
blue	7
pink	6
grey	5
yellow	4
green	3
brown	2

Group 3 SPST



	Terminal
red	8
blue	7
pink	6
grey	5
yellow	4
green	3
brown	2
white	1

Group 4 SPDT



	Terminal
black	9
red	8
blue	7
pink	6
grey	5
yellow	4
green	3
brown	2
white	1

Specifications for Multi Level Switches Type UNS-2000-S

UNS 2000-S - VA/T2 - KLS1 - VA52 - L2/2.1

Contact Mode
1 - SPST (NO)
2 - SPST (NC)
3 - SPDT

Contact Rating
250 V AC / DC, 3 A, 100 VA/W
250 V AC / DC, 3 A, 100 VA/W
140 V AC / DC, 1 A, 60 VA/W

Order: L1, L2, L3, L4, L5

Total Length L0 = . . . mm (max. 2000 mm)

Specify with your order: L1 = . . . mm, L2 = . . . mm, etc.

Number of Switchpoints
L1 = 1 Switchpoint
L2 = 2 Switchpoints (SPST all options possible, SPDT option KLS only possible
L3 = 3 Switchpoints (only with KLS)
L4 = 4 Switchpoints (only with KLS; in SPST Gr.1 and Gr.3 possible; in SPD Gr.2 option only

Float Type	min. Media Density	Material	Form	Dia-meter	Temp. max.	Pressure (+20 °C)
VA52	0,78 g/cm³	Stainl. Steel 1,4571	Ball	52 mm	150 °C	40 bar
VA80	0,54 g/cm³	Stainl. Steel 1,4571	Ball	82 mm	150 °C	17 bar
BN30	0,60 g/cm³	Buna N	Cylinder	30 mm	100 °C (Oil)	15 bar
VA44	0,84 g/cm³	Stainl. Steel 1,4571	Cylinder	44 mm	80 °C (Water) 150 °C	15 bar

Electrical Connection
KLS1 - Aluminum Terminal Box, 6 Terminals
KLS2 - Aluminum Terminal Box, 9 Terminals
KS - Cable with Shipbuilding Approvals (1m)
(possible with L1 - all contact modes; L2 - SPST only)

Mounting Element
T2 - G2 Tank screw (not with VA80 float)
FL3 - SS Flange DIN 2527 DN 50 PN 16
FL4 - SS Flange DIN 2527 DN 65 PN 16
(Other flanges and mounting threads available on request)

Material of Stem and Mounting Element
VA - Stainless Steel, W. Nr. 1.4571, 1.4408

Level Switches Type UNS-2000-S

923-1817-A
Barksdale Level Switches
Specifications are subject to changes without notice.

www.mod-tronic.com | sales@mod-tronic.com | 1-800-794-5883