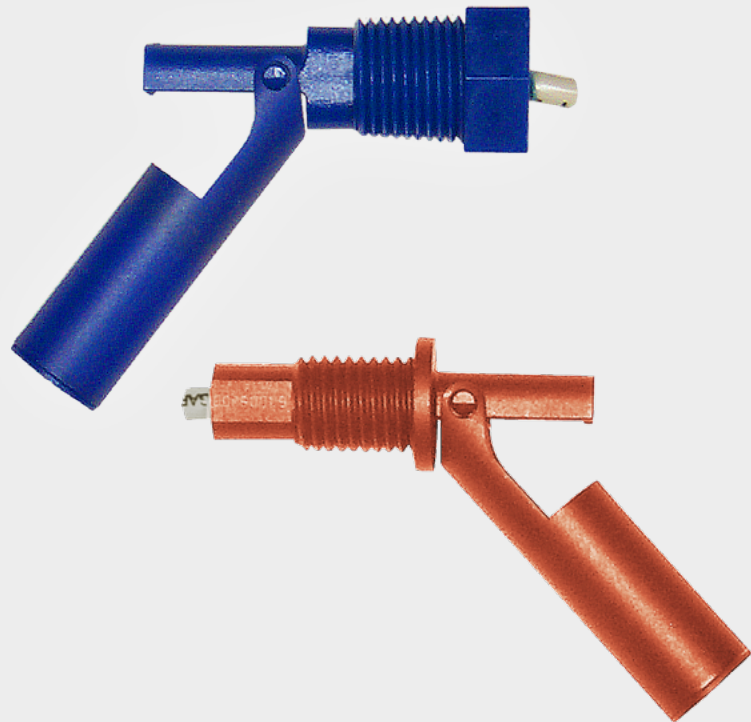


UNS

Single-Point Level Switches

DATA-
SHEETS
INSIDE



see the difference.

UNS
see the difference.

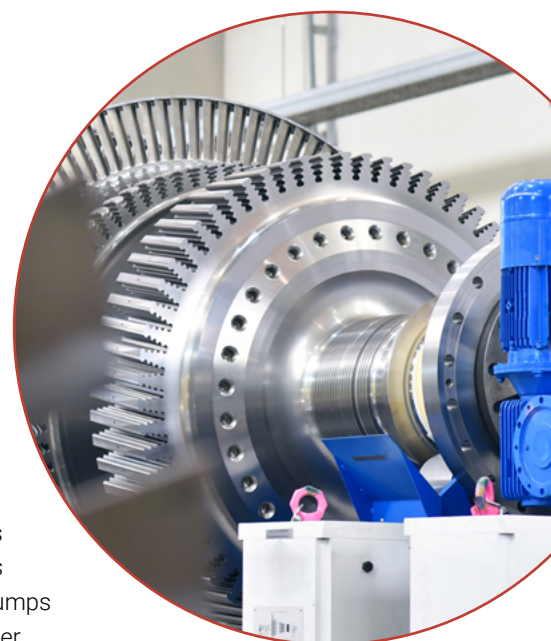
Float Bases Level Detection for Point-Level Control

Barksdale single-point level switches provide reliable liquid level detection using proven float technology. Designed for all kinds of application, they enable precise ON/OFF control in tanks, reservoirs, and process systems across a wide range of pressures, temperatures, and media types.

- ▶ Key Features
- ▶ Wide range of mounting options (vertical, horizontal)
- ▶ Multiple material options (SS, plastics, etc.)
- ▶ High pressure & temperature capability
- ▶ Simple switching output (NO / NC / SPDT)
- ▶ Customizable switching point lengths
- ▶ Proven float technology – no calibration required
- ▶ Compact designs for tight installations

Markets

- ▶ Tanks & reservoirs
- ▶ Hydraulic systems
- ▶ Compressors & pumps
- ▶ Water & wastewater



Certifications & Approvals

To ensure the highest quality, our processes are ISO 9001:2015 certified - from the control of the materials used, the monitoring of the production facilities through to manufacturing. Barksdale offers a wide range of certificates for selected products.





Table of Contents

Series	Description	Page
UNS-MS1/8-BN25	Single-Level Brass Switch	4
UNS-VA1/8-VA27	Single-Level Stainless Steel Level Switch	5
UNS-VA1/4-VA52	Single-Level Stainless Steel Level Switch	6
UNS-PA16-PA18/ UNS-PP16-PP18	Single-Level Polyamide Level Switch / Single-Level Polypropylene Level Switch	7



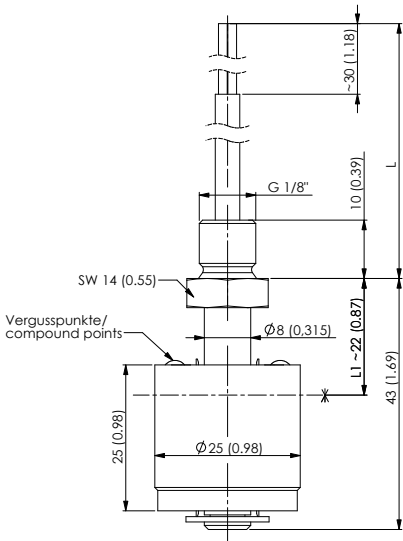
Single-Level Brass Switch

UNS-MS1/8-BN25

Technical Data

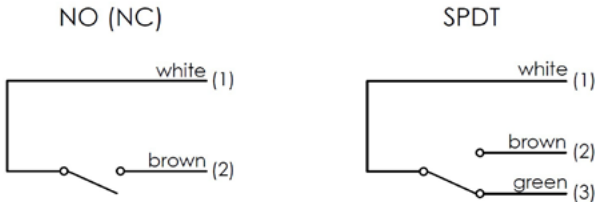
Material	Brass
Mounting Position	Vertical, ±30°, through top or bottom
Float Material	Buna-N
Float Diameter (in mm)	25
Operating Pressure Bar at 20 °C	15
Min. Fluid Specific Gravity in g/cm³	0.57
Protection Class	IP54
Operating Temperature Oil	-20 °C...+100 °C
Water	-20 °C...+80 °C
Weight	40 g
Approval	ATEX, IECEx, cULus, BV, DNV, LR, RINA

Dimensions (mm / inch)



By turning the float upside down the function of the switch contact can be changed from NO (standard) in NC or vice versa. (Not possible with SPDT contacts). The contact modes (NO or NC) are defined on the basis of an empty tank and for a level switch mounted through the top.

Color Code



Order Code

Order No.	Mounting Element	Cable Type	Cable Length*	Contact Mode and Rating
0111-464	G1/8	PVC-cable	1m	NO/NC 230 V AC / DC 2 A, 40 VA / W
0111-465			3m	
0111-466			5m	
0111-467			1m	SPDT 150 V AC / 100 V DC, 0.2 A, 3 VA / W
0111-468			3m	
0111-469			5m	
0111-571	NPT 1/8	Max. 3 x 0.34 mm²	1m	NO/NC 230 V AC / DC 2 A, 40 VA / W
0111-572			3m	
0111-573			5m	
0111-574			1m	SPDT 150 V AC / 100 V DC, 0.2 A, 3 VA / W
0111-575			3m	
0111-576			5m	

*For longer lead length, consult factory.

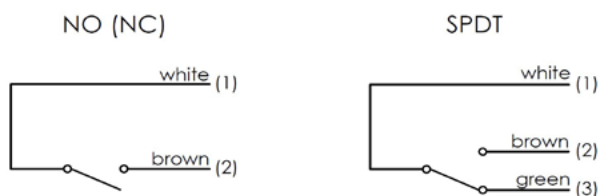
Single-Level Stainless Steel Level Switch

UNS-VA1/8 VA27

Technical Data

Material	Stainless Steel
Mounting Position	vertical, $\pm 30^\circ$, through top or bottom
Float Material	Stainless Steel
Float Diameter (in mm)	27
Operating Pressure (bar) at +20 °C	15
Min. Fluid Specific Gravity in g/cm ³	0.71
Protection Class	IP54
Weighth (g)	90
Approval	ATEX, IECEx, cULus, BV, DNV, LR, RINA

Color Code

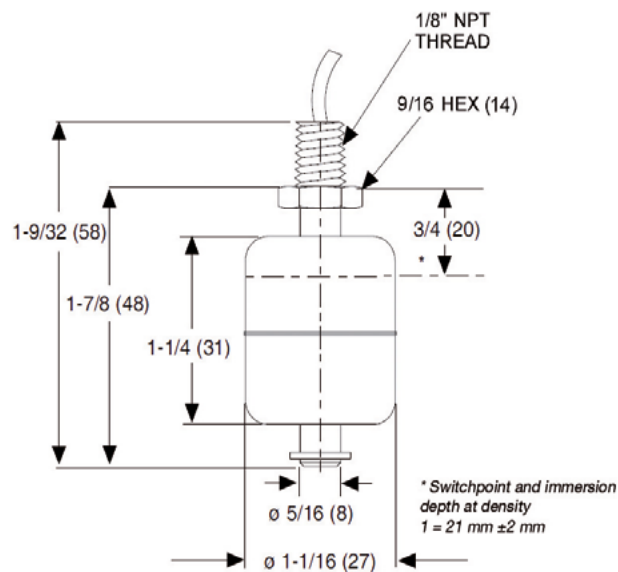


Order Code

Order No.	Mounting Element	Cable Type	Cable Length*	Contact Mode and Rating		Operating Temperature
0111-449	G1/8	PVC-cable Max. 3 x 0.34 mm²	1m	NO/NC	230 V AC / DC 2.0 A, 40 VA / W	-10 °C...+105 °C
0111-450			3m			
0111-451			5m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
0111-452			1m			
0111-453		3m				
0111-454		5m				
0111-455		Silicone Max. 3 x 0.5 mm²	1m	NO/NC	230 V AC / DC 2.0 A, 40 VA / W	-40 °C...+150 °C
0111-456			3m			
0111-457			5m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
0111-458			1m			
0111-459			3m			
0111-460			5m			
0111-577	NPT 1/8	PVC-cable Max. 3 x 0.34 mm²	1m	NO/NC	230 V AC / DC 2.0 A, 40 VA / W	-10 °C...+105 °C
0111-578			3m			
0111-579			5m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
0111-580			1m			
0111-581			3m			
0111-582			5m			

*For longer cable length, consult factory.

Dimensions (mm / inch)



By turning the float upside down the function of the switch contact can be changed from NO (standard) in NC or vice versa. (Not possible with SPDT contacts). The contact modes (NO or NC) are defined on the basis of an empty tank and for a level switch mounted through the top.

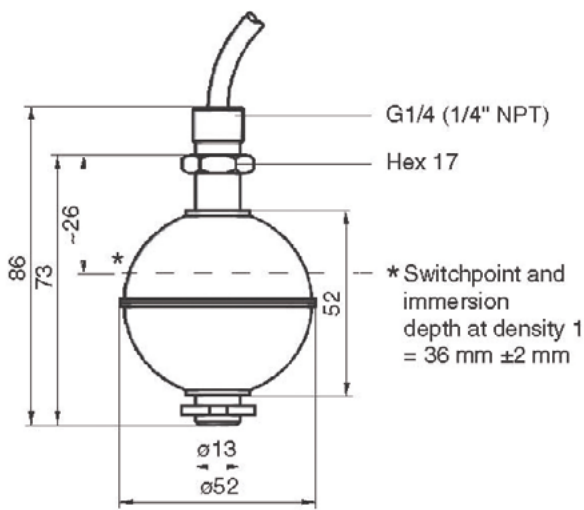
Single-Level Stainless Steel Level Switch

UNS-VA1/4-VA52

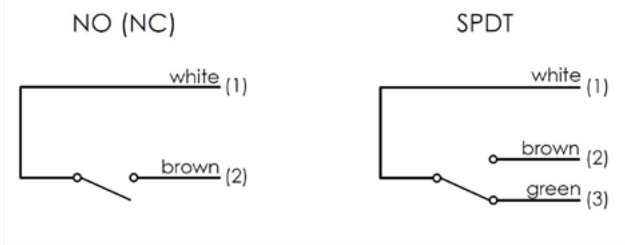
Technical Data

Material	Stainless Steel
Mounting Position	vertical, ±30°, through top or bottom
Float Material	Stainless Steel
Float Diameter (in mm)	52
Operating Pressure (bar) at 20 °C	40
Min. Fluid Specific Gravity in g/cm³	0.78
Protection Class	IP54
Weight (g)	150
Approval	ATEX, IECEx, cULus, BV, DNV, LR, RINA

Dimensions (mm / inch)



Color Code



By turning the float upside down the function of the switch contact can be changed from NO (standard) in NC or vice versa. (Not possible with SPDT contacts). The contact modes (NO or NC) are defined on the basis of an empty tank and for a level switch mounted through the top.

Order Code

Order No.	Mounting Element	Cable Type	Cable Length*	Contact Mode and Rating		Operating Temperature
0111-482	G1/4	PVC-cable Max. 3 x 0.34 mm²	1m	NO/NC	250 V AC / DC 3.0 A, 100 VA / W	-10 °C...+105 °C
0111-483			3m			
0111-484			5m			
0111-485			1m	SPDT	140 V AC / DC, 1.0 A, 60 VA / W	
0111-486			3m			
0111-487			5m			
0111-488		Silicone Max. 3 x 0.5 mm²	1m	NO/NC	250 V AC / DC 3.0 A, 100 VA / W	-40 °C...+150 °C
0111-489			3m			
0111-490			5m			
0111-491			1m	SPDT	140 V AC / DC, 1.0 A, 60 VA / W	
0111-492			3m			
0111-493			5m			
0111-589	NPT 1/4	PVC-cable Max. 3 x 0.34 mm²	1m	NO/NC	250 V AC / DC 3.0 A, 100 VA / W	-10 °C...+105 °C
0111-590			3m			
0111-591			5m			
0111-592			1m	SPDT	140 V AC / DC, 1.0 A, 60 VA / W	
0111-593			3m			
0111-594			5m			

*For longer cable length, consult factory.

Single-Level Polyamide / Polypropylene Level Switch

UNS-PA16-PA18 / UNS-PP-16/18

Technical Data

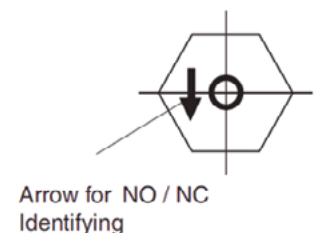
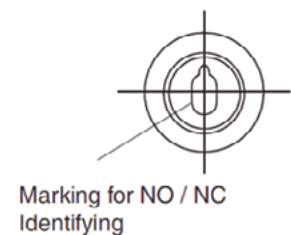
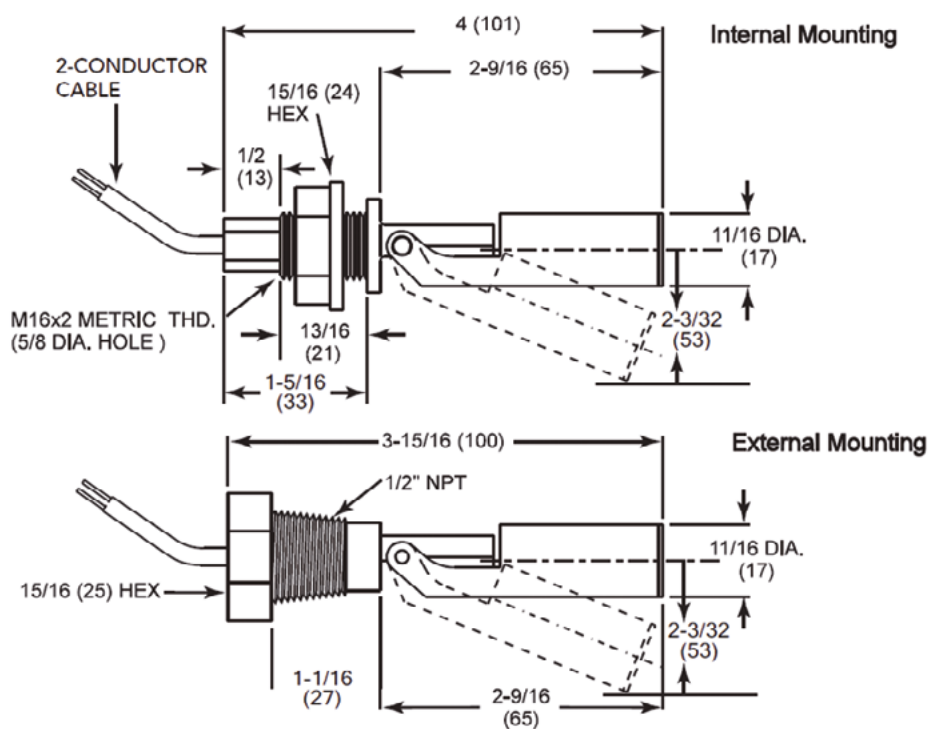
Mounting Position	Horizontal for Side Mounting
Cable Type*	PVC, max. 2 x 0.34 mm ²
Float Diameter (mm)	18
Operating Pressure (bar) at +20 °C	4
Ambient Temperature	+20 °C ...+60 °C
Protection Class	IP54
Weight	40 g
Max. Starting Torque	2.67 Nm
Approval	cULus

Order Code

Order No.	Material	Mounting Element	Cable Length*	Contact Mode and Rating	Medium Temperature
0111-199	Blue, Polyamide 6.6	M 16 x 2.0 AG with Silicon gasket	1m	NO/NC	-20 °C...+120 °C
0111-203		1/2" NPT Thread	1m		
0111-202		M 16 x 2.0 AG with Silicon gasket	3m		
0111-205		1/2" NPT Thread	3m		
0111-210	Red, Polypropylene	M 16 x 2.0 AG with Silicon gasket	1m		-20 °C...+90 °C
0111-327		1/2" NPT Thread	1m		

*For longer cable length, consult factory.

Dimensions (mm / inch)



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