Barksdale®
CONTROL PRODUCTS
CRANE A SUBSIDIARY OF CRANE CO.

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

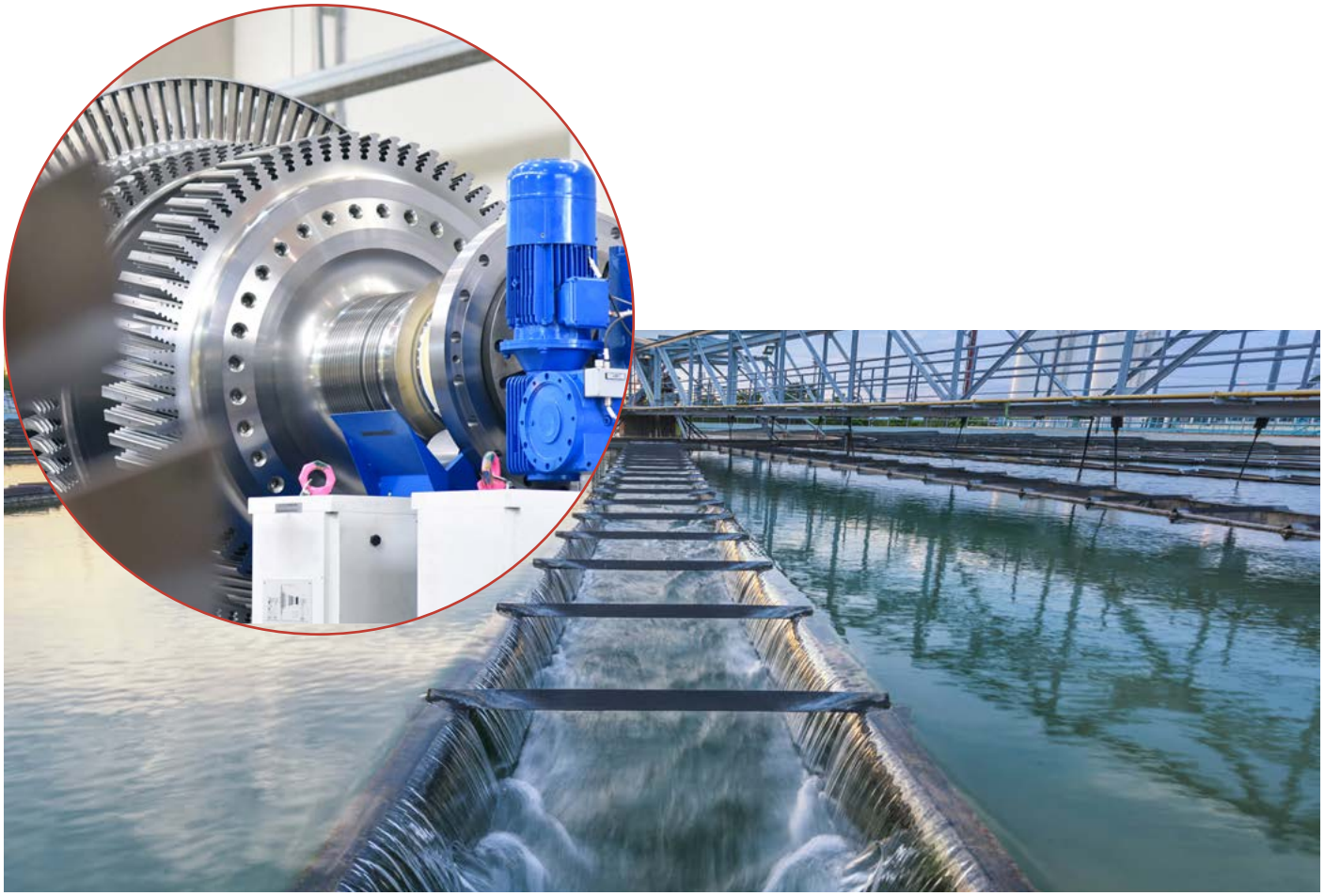
- Tanks & reservoirs
- Hydraulic systems
- Compressors & pumps
- Water & wastewater

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.

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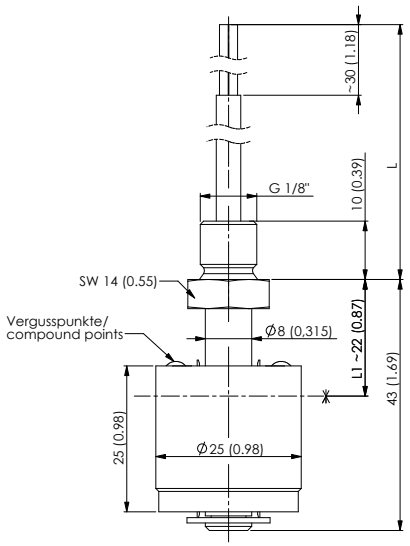


Single-Level Brass Switch
UNS-MS1/8-BN25

Technical Data

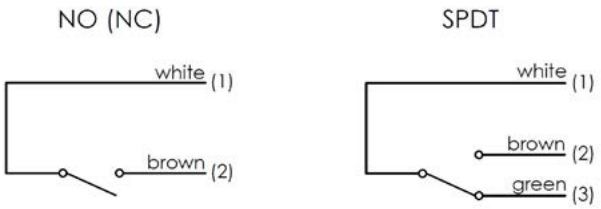
Material	Brass
Mounting Position	Vertical, ±30°, through top or bottom
Float Material	Buna-N
Float Diameter (in mm)	25
Operating Pressure Bar at 20 °C	15
Min. Fluid Specific Gravity in g/cm³	0.57
Protection Class	IP54
Operating Temperature Oil Water	 -20 °C...+100 °C -20 °C...+80 °C
Weight	40 g
Approval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

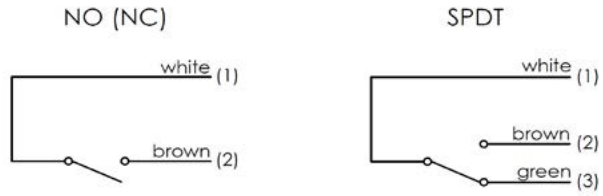
*For longer lead length, consult factory.

Single-Level Stainless Steel Level Switch
UNS-VA1/8 VA27

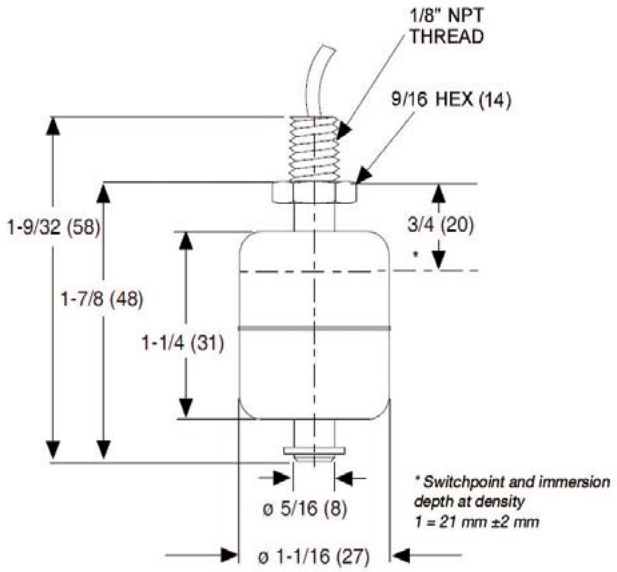
Technical Data

Material	Stainless Steel
Mounting Position	vertical, ±30°, through top or bottom
Float Material	Stainless Steel
Float Diameter (in mm)	27
Operating Pressure Bar at 20 °C	15
Min. Fluid Spedific Gravity in g/cm³	0.71
Protection Class	IP54
Weigth	90 g
Approval	ATEX, IECEx, cULus, BV, DNV, LR, RINA

Color Code



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.

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			
0111-452			1m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
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			
0111-458			1m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
0111-458			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			
0111-580			1m	SPDT	150 V AC / 100 V DC, 0.2 A, 3 VA / W	
0111-581			3m			
0111-582			5m			

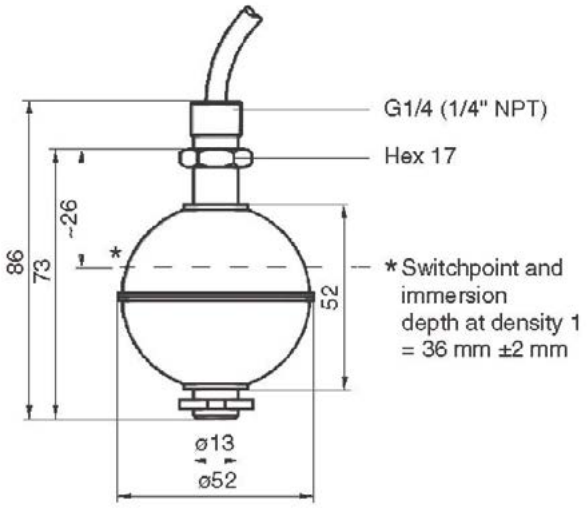
*For longer lead length, consult factory.

Single-Level Stainless Steel Level Switch
UNS-VA1/4-VA52

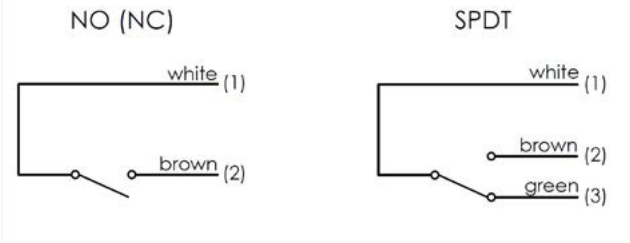
Technical Data

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 Spedific Gravity in g/cm³	0.78
Protection Class	IP54
Weight	40 g
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 lead length, consult factory.

Single-Level Polyamide / Polypropylene Level Switch
UNS-PA16-PA18 / UNS-PP-16/18

Technical Data

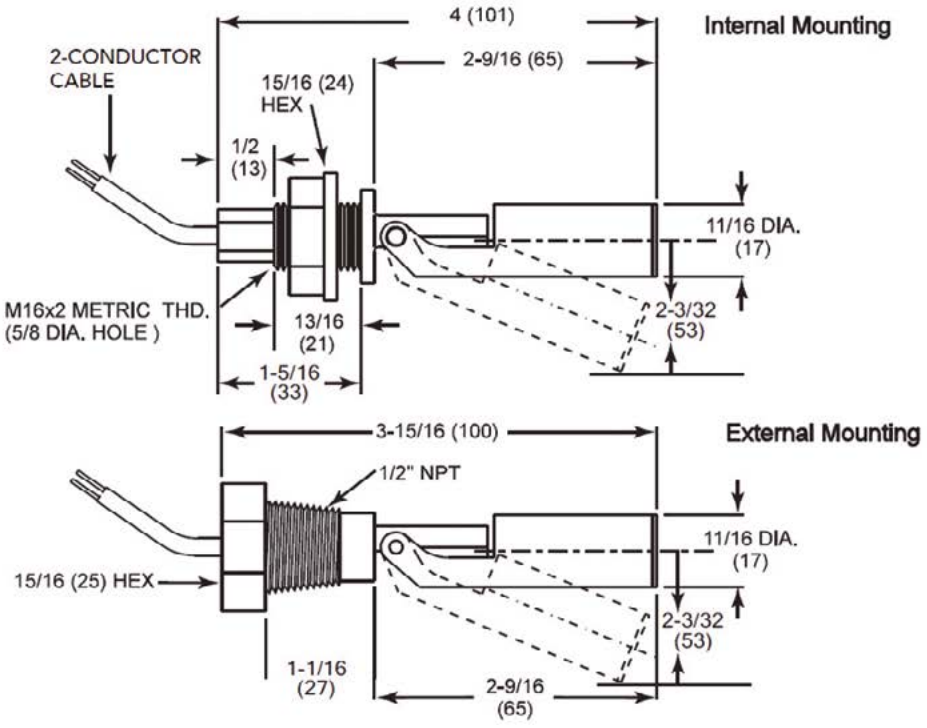
Mounting Position	Horizontal for Side Mounting
Cable Type*	PVC, max. 2 x 0.34 mm²
Float Diameter (mm)	18
Operation Pressure Bar at 20 °C	4
Protection Class	IP54
Weight	40 g
Max. Starting Torque	2.67 Nm
Approval	cULus

Order Code

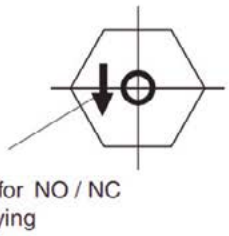
Order No.	Material	Mounting Element	Cable Type	Cable Length*	Contact Mode and Rating		Operating Temperature
0111-199	Blue, Polyamide 6.6	M 16 x 2.0 AG with Silicon gasket	PVC-cable Max. 2 x 0.34 mm²	1m	NO/NC	230 V AC / DC 3.0 A, 60 VA / W	-20 °C...+120 °C
0111-203		1/2" NPT Thread		1m			
0111-202		M 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 lead length, consult factory.

Dimensions (mm / inch)




Marking for NO / NC Identifying


Arrow for NO / NC Identifying

Design with Us



Leverage our Engineering Expertise

Customized Products for Your Project

Barksdale offers more than 50 product families and millions of configured options to measure, monitor and control processes essential to the industrial, power and transportation markets. We can make basic modifications to these standard products and options to ensure they are exactly matched to the project requirements.

Market-focused. Technology-driven. Customer-intimate.
These elements at the heart of the company philosophy have made Barkdale a synonym for advanced measurement and control solutions since 1949. We continuously adapt our innovations to market requirements and offer customized solutions thanks to our global presence. With facilities in North America, Europe and Asia, we are a leading provider that combines close customer relationships with the highest level of technological expertise. Barksdale is part of the global Crane Co. Group. By utilizing synergy effects, growth and customer orientation are always the focus of all business units.

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Subject to technical change. Bulletin No. L0044 A