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SW-FLS-2.5A-220V-316SS

Level Float Switch – 220V AC – 2.5A – Vertical Float Type – 2 SPDT – Flanged Mount, 4" DN100 – 0.04–0.35 MPa – 316L Stainless Steel

Product ID: 336340

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: SW-FLS-2.5A-220V-316SS

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

SW-FLS-2.5A-220V-316SS Float Type Level Switch

Listing: A-A-59806 Compliant
Pressure Range: 0.04 to 0.35 MPa
Nominal Pressure: 2 Bar (Absolute)
Float Type: Vertical Float (Internal Actuation)
Mounting: Top Mounted, Flanged (4" DN100, Class 150)
Electrical Connections: Terminal Connections for 2 SPDT (NO/NC/COM)
Power Supply: 24 VDC
Electrical Rating: 2.5A @ 220V AC
Switch Type: 2 SPDT (Dual Independent Contacts)
Operating Temperature (Liquid): Up to +60°C
Ambient Temperature: -20°C to +60°C
Float Material: 316L Stainless Steel
Body Material: 316L Stainless Steel
Process Connection: 4" (DN100) Flanged, Class 150
Auxiliary Connections: (2x) 3/4" NPT
Switching Levels: LSL 5600 mm / LSLL 6100 mm
Switch Action: Contacts Close on Rising Level
Specific Gravity: ≥ 1.0 (Water / Seawater)
Application: Seawater / Circulating Water Systems

Quick Summary

316L Stainless Steel Construction (Seawater Compatible)
Flange Mounted Vertical Float Design (4" DN100)
Dual Alarm Switching (2 SPDT Contacts)
Micro Switch (S7) – Mercury-Free Operation
Corrosion Resistant for Marine Use
High Reliability for Power Plant Applications

Special Orders- Requirements

Contact us for special requirements
Phone: 1-903-270-1187
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

Weight: Industrial Assembly (Varies by Configuration)

Made in the USA

The SW-FLS-2.5A-220V-316SS from Larson Electronics is a flanged vertical float type level switch designed for accurate liquid level monitoring and control in industrial systems, including power plants, seawater circulation systems, and large-scale water handling facilities. This heavy-duty level switch provides reliable activation of alarms, pumps, and control systems at predetermined liquid levels. Constructed from corrosion-resistant 316L stainless steel, the unit is ideal for seawater service, industrial process tanks, and harsh operating environments requiring long-term durability and dependable performance.

The SW-FLS-2.5A-220V-316SS is a rugged and precision-engineered float-actuated level switch featuring dual SPDT (Single Pole Double Throw) micro switches (S7 type) housed within a sealed assembly. As liquid levels rise, the internal float mechanism actuates the switches at preset alarm points, triggering independent outputs for Level Switch Low (LSL) and Level Switch Low-Low (LSLL). The switching points are factory configured (e.g., 5600 mm and 6100 mm), ensuring consistent and repeatable operation without the need for field adjustment.

This industrial level switch operates at 2.5A @ 220V AC and utilizes a 24 VDC control circuit for reliable signal integration. Designed for liquids with a density of approximately 1.0, the unit performs effectively in water and seawater applications at temperatures up to 60°C. The sealed stainless steel construction provides excellent resistance to corrosion, pressure, and mechanical wear in continuous-duty environments.

Mounting: The SW-FLS-2.5A-220V-316SS is installed via a top-mounted 4-inch (DN100) flanged connection (Class 150), allowing secure integration into tanks and vessels. Additional 3/4" NPT ports are provided for auxiliary connections or instrumentation access. The fixed mounting design ensures stable operation and precise level detection in critical systems.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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SW-FLS-2.5A-220V-316SS

Product ID: 336340

Export Control Classification Number (ECCN): EAR99

Options:

SW-FLS-2.5A-220V-316SS-Switch-Termination
Example: SW-FLS-2.5A-220V-316SS-SPDT-LEAD

Switch	
SINGLE POLE	-SPDT
DOUBLE POLE	-DPDT

Termination	
LEAD WIRE (NEC/CEC)	-LEAD
TERMINALS (ATEX/IEC)	-TNBL

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/336340.JPG)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)