

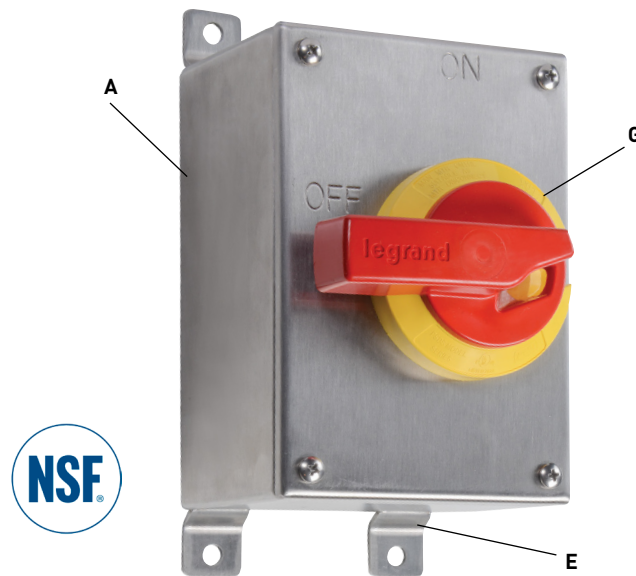


## Protect against corrosion.

PSDS30, PSDS60, PSDS60HP, PSDS100

Legrand's 316-Grade Stainless Steel Safety Switches are designed to provide superior corrosion resistance in harsh environments like food and beverage processing plants where wash-down/hose-down at extreme temperatures is a daily necessity, as well as environments where salts, acids and chemicals are present. Legrand's Stainless Steel Safety Switches with NEMA 4X/12, IP66/67/69K ratings are the best solution for durability and personnel safety in any environment.


## Features & Benefits



PSDS30

- A.** Type 316 grade stainless steel provides superior resistance to corrosion.
- B.** 8 conduit entry points for flexible installation options.
- C.** Certified by the National Sanitation Foundation (NSF) for hygiene requirements in food and beverage processing.
- D.** Can accommodate up to 3 sets of auxiliary contacts for control circuit applications.
- E.** 3/4" standoffs on mounting feet allow adequate space for runoff and inspection behind the switch.
- F.** Water- and dust-tight enclosure rated **NEMA 4X/12** and **IP66/67/69** for protection against high-pressure, high-temperature water from multiple directions.
- G.** High-visibility yellow and red handle can be padlocked to meet OSHA lockout/tagout requirements.
- H.** Available breather drain for field installation.\*  
\*Installation of breather drain brings switch rating to IP66 and NEMA 4X.

## 3rd Party Compliance

 UL Listed 767A File #E31169; Complies with CSA standards; NSF Approved; NEMA 4X, 12; IP66, IP67, IP69; OSHA Compliant

## Technical Information

### Performance

#### Electrical

|                                |  |
|--------------------------------|--|
| Dielectric Voltage Withstand   | 3000V minimum  |
| Maximum Working Voltage        | 600V RMS   |
| Current Interrupting           | Listed for current interrupting at full-rated current and voltage                                  |
| Short Circuit Withstand Rating | For use on circuit capable of delivering not more than (see chart on back page) RMS amps at 600VAC |
| Operations                     | Mechanical: 10,000 cycles<br>Electrical: 10,000 cycles   |
| Auxiliary Contacts (optional)  | 10A @ 600VAC; 1 N.O. & 1 N.C.  |

#### Mechanical

|                         |  |
|-------------------------|--|
| Impact Resistance       | Per UL746C   |
| Terminal Identification | Per UL and CSA   |
| Product Identification  | Identification and rating on external and internal labels  |
| Mounting                | External adjustable feet with five (5) positions*<br>Can be mounted directly to channel or strut |

#### Environmental

|                       |  |
|-----------------------|--|
| Moisture Resistance   | Per UL50, section 35, NEMA Enclosure Type 4X (watertight, hosedown)<br>Per UL50, section 35, NEMA Enclosure Type 12 (dusttight, falling dirt) • IP66/67/69 |
| Flammability          | UL94 5VA and VO Classification   |
| Operating Temperature | Maximum continuous: +60°C<br>Minimum continuous: -50°C without impact  |
| UV Resistance         | All enclosure materials are UV stabilized  |

\*Mounting feet are welded to enclosure with 3/4" standoff.

### Materials

|                          |  |
|--------------------------|--|
| Enclosure Cover          | 316 Stainless Steel – 14 Gauge on 30A; 12 Gauge on 60/100A |
| Enclosure Base           | 316 Stainless Steel – 14 Gauge                             |
| Enclosure DIN Rail       | 316 Stainless Steel  |
| Switch Handle            | Valox 357®   |
| Switch Base              | Valox 357®   |
| Switch Key               | 14% Glass-Filled Nylon                                     |
| Cover Gasket             | Silicone Foam  |
| Handle Gasket            | Silicone Foam  |
| Mounting Feet            | 316 Stainless Steel – 12 Gauge                             |
| Cover Screws             | 316 Stainless Steel  |
| Cover Screw O-Ring       | Neoprene   |
| Assembly Screws/Hardware | 300 Series Stainless Steel                                 |

Country of Origin: United States

### Warranty

Limited Lifetime Warranty



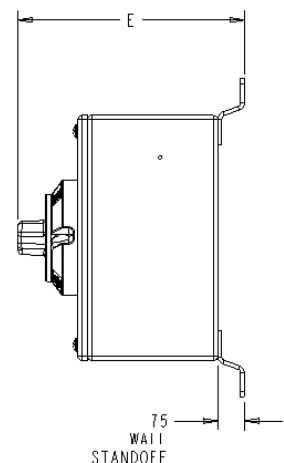
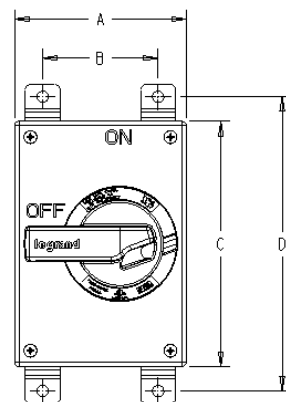
PSDS60/PSDS100



PSDS30

### Mounting Dimension Table (inches)

|            | A    | B    | C     | D     | E    |
|------------|------|------|-------|-------|------|
| 30 Amp     | 4.90 | 3.30 | 7.00  | 8.40  | 6.52 |
| 60/100 Amp | 7.30 | 5.50 | 10.30 | 11.60 | 7.10 |



## Ordering Information

### Stainless Steel Safety Switches

| VOLTAGE           | MAXIMUM HORSEPOWER RATING | STAINLESS STEEL SAFETY SWITCH CATALOG NO. | STAINLESS STEEL SAFETY SWITCH WITH AUXILIARY CONTACT** | STAINLESS STEEL SAFETY SWITCH WITH 3 AUXILIARY CONTACTS** | AUXILIARY CONTACT KIT* | REPLACEMENT SWITCH | REPLACEMENT SWITCH WITH AUXILIARY CONTACT | REPLACEMENT SWITCH WITH 3 AUXILIARY CONTACTS | REPLACEMENT COVER FOR STANDARD SWITCH | REPLACEMENT COVER FOR AUXILIARY TYPE | BREATHER DRAIN FOR FIELD INSTALLATION*** |
|-------------------|---------------------------|---|--|---|------------------------|--------------------|---|--|---------------------------------------|--------------------------------------|--|
| <b>30 AMPS</b>    | <b>600VAC</b>             |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 120VAC            | 1 HP                      | PSDS30                                    | PSDS30AX   | PSDS30AX3   | AX30                   | RS30               | RS30AX                                    | RS30AX3                                      | PSDS30RC                              | PSDS30AXRC                           | PSDB4                                    |
| 208VAC            | 2 HP                      |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 240VAC            | 5 HP                      |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 277VAC            | 3 HP                      |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 480VAC            | 5 HP                      |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 600VAC            | 5 HP                      |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 240VAC         | 10 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 480VAC         | 20 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 600VAC         | 25 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| <b>60 AMPS</b>    | <b>600VAC</b>             |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 120VAC            | 2 HP                      | PSDS60                                    | PSDS60AX   | —   | AXD60                  | RS60               | RS60AX                                    | —  | PSDS60RC                              | PSDS60AXRC                           | PSDB4                                    |
| 240VAC            | 7.5 HP                    |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 277VAC            | 7.5 HP                    |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 480VAC            | 10 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 600VAC            | 10 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 240VAC         | 15 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 480VAC         | 30 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 600VAC         | 40 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| <b>60 AMPS HP</b> | <b>600VAC</b>             |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 120VAC            | 3 HP                      | PSDS60HP                                  | PSDS60HPAX   | —   | AX60                   | RS60HP             | RS60HPAX                                  | —  | PSDS60HPRC                            | PSDS60HPAXRC                         | PSDB4                                    |
| 240VAC            | 10 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 277VAC            | 15 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 480VAC            | 20 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 600VAC            | 30 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 240VAC         | 25 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 480VAC         | 50 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 600VAC         | 50 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| <b>100 AMPS</b>   | <b>600VAC</b>             |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 120VAC            | 5 HP                      | PSDS100                                   | PSDS100AX  | —   | AX60                   | RS100              | RS100AX                                   | —  | PSDS100RC                             | PSDS100AXRC                          | PSDB4                                    |
| 240VAC            | 15 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 277VAC            | 15 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 480VAC            | 30 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 600VAC            | 30 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 240VAC         | 25 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 480VAC         | 50 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |
| 3ø 600VAC         | 50 HP                     |   |  |   |                        |                    |   |  |                                       |                                      |  |

\*For replacement of side mount auxiliary contact on previous design.

\*\*Auxiliary contacts break before switch contacts break for use with VFD.

\*\*\*Installation of breather drain brings switch rating to IP66 and NEMA 4X.

### Interrupting Ratings — RMS Symmetrical Amperes

Short Circuit Ratings: Suitable for use on circuits capable of delivering not more than (see chart below for cat. no. and application) RMS symmetrical amperes, 600VAC maximum.


| Cat No.       | KA | Fuse/Breaker       | Max Size |
|---------------|----|--------------------|----------|
| PSDS30 (AX)   | 10 | RK1                | —        |
|               | 65 | Class J            | 40A      |
| PSDS60 (AX)   | 10 | RK1                | 125A     |
|               | 65 | Class J            | 70A      |
| PSDS60HP (AX) | 10 | RK1                | —        |
|               | 10 | GE Circuit Breaker | —        |
|               | 65 | Class J            | 100A     |

### Stainless Steel Safety Switches are ideal for a wide range of applications including:

- Poultry Processing
- Seafood Processing
- Meat Processing
- Pharmaceutical Processing
- Food Packaging
- Food Preparation
- Agriculture
- Beverage Processing
- Health Care

### Also available...

- Mechanical Interlocks
- Flexcor® Wire Mesh Grips
- Turnlok® Locking Devices
- Portable GFCI
- IEC 309 Industrial Products
- Straight Blade Plugs & Connectors
- Ground Continuity Monitoring (GCM)

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