



Non-Fusible Safety Switches

PS30SS, PS60SS, PS100SS

P&S Non-Fusible Safety Switches feature extra-tough components, including an impact-resistant Valox® NEMA 4X enclosure. And an innovative design that delivers safe, sure operation under the worst conditions. These rugged performers are available in capacities from 30 to 100 amps.

Features & Benefits

Compact design fits in most I-beams to provide mounting versatility, easy access, and reduced possibility of impact damage.

Optional auxiliary contacts for use with PLCs and pilot lights.

Heavy-duty, ergonomic switch handle meets OSHA Lockout/Tagout provisions and provides plenty of grip for sure, easy operation.



Nonconductive, watertight, corrosion, heat, and impact-resistant thermoplastic enclosure ensures NEMA 4X and 12 ratings. Withstands the harshest industrial environments.

Durable, stainless steel cover-retaining chain makes installation and maintenance more convenient.

Adjustable mounting feet can be moved to the center of the unit for instant strut- or pole-mounting without special brackets or harnesses.

PSD30SS

3rd Party Compliance



CULus listed to per CSA specifications C 22.2. Meets NEC Article 430 as well as UL508 standards.

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: 15,000 cycles 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* Can be mounted directly to channel or strut (no washers required)

Environmental

Moisture Resistance	Per UL50, section 35, NEMA Enclosure Type 4X (watertight, hosedown) Per UL50, section 35, NEMA Enclosure Type 12K (dusttight, falling dirt) - IP67 suitability
Flammability	UL94 5VA and VO Classification
Operating Temperature	Maximum continuous: +60°C 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	Valox 357®
Enclosure Base	Valox 357®
Enclosure Gasket	Neoprene
Switch Handle	Valox 357®
Switch Handle Seal	Neoprene
Switch Key	10% Glass-Filled Nylon
Mounting Feet	Valox 357®
Mounting Feet Screws	300 Series Stainless Steel
Enclosure Assembly Screws	300 Series Stainless Steel
Enclosure Assembly Inserts	Brass (60 and 100 amp units only)
Grounding Plate	Galvanized Steel
Cover Chain	300 Series Stainless Steel

- Manufacturer's Identification PS60SS
- Description: Non-Fusible Safety Switch
- Rating: 60A, 600VAC maximum
- Enclosure Type: NEMA 4X (watertight, hosedown), 12K (dusttight, falling dirt), IP67 suitability
- Conduit Location: Top, bottom, or back feed. Units are shipped without holes for conduit. Spot drills for locating hole saw or knockouts are provided for top, bottom, or back feed. End user decides at installation whether top, bottom, or back feed is appropriate. No closure plug kits required. Units are not provided with conduit hubs.



PS30SSAX3

Warranty

1 Year

Country of Origin

United States

Ordering Information

Non-Fusible Safety Switches

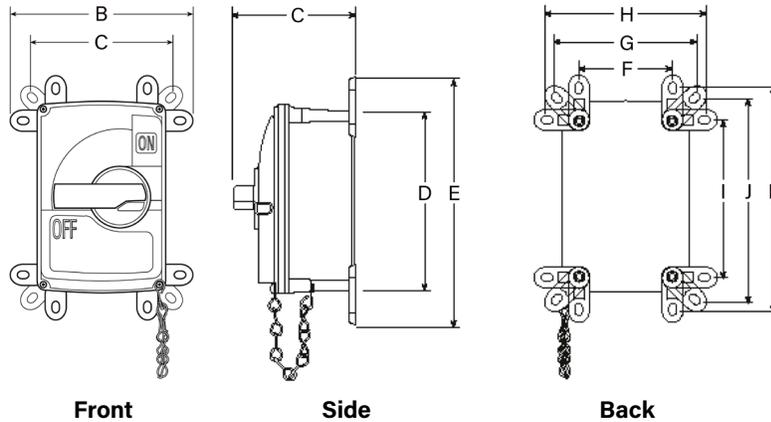
VOLTAGE	MAXIMUM HORSEPOWER RATING	NON-FUSIBLE SAFETY SWITCH CATALOG NO.	NON-FUSIBLE SAFETY SWITCH WITH AUXILIARY CONTACT** CAT. NO.	NON-FUSIBLE SAFETY SWITCH WITH 3 AUXILIARY CONTACTS** CAT. NO.	AUXILIARY CONTACT KIT*	REPLACEMENT SWITCH	REPLACEMENT SWITCH WITH AUXILIARY CONTACT	REPLACEMENT COVER
30 AMPS 600VAC		PS30SS	PS30SSAX	PS30SSAX3	AX30	RS30	PS30RSAX	PS30SSRC
120 VAC	1.5 HP							
208 VAC	3 HP							
240 VAC	5 HP							
277 VAC	5 HP							
480 VAC	7.5 HP							
600 VAC	7.5 HP							
3Ø 208Y/120 VAC	5 HP							
3Ø 240 VAC	10 HP							
3Ø 480Y/277 VAC	20 HP							
3Ø 480 VAC	20 HP							
3Ø 600Y/347 VAC	25 HP							
3Ø 600 VAC	25 HP							
60 AMPS 600VAC		PS60SS	PS60SSAX	—	AX60	RS60	Contact Customer Support	PS60SSRC
120 VAC	5 HP							
208 VAC	10 HP							
240 VAC	10 HP							
277 VAC	15 HP							
480 VAC	20 HP							
600 VAC	30 HP							
3Ø 208Y/120 VAC	20 HP							
3Ø 240 VAC	25 HP							
3Ø 480Y/277 VAC	50 HP							
3Ø 480 VAC	50 HP							
3Ø 600Y/347 VAC	50 HP							
3Ø 600 VAC	50 HP							
100 AMPS 600VAC		PS100SS	PS100SSAX	—	AX60	Contact Customer Support	Contact Customer Support	PS100SSRC
120 VAC	5 HP							
208 VAC	10 HP							
240 VAC	15 HP							
277 VAC	15 HP							
480 VAC	30 HP							
600 VAC	30 HP							
3Ø 208Y/120 VAC	20 HP							
3Ø 240 VAC	25 HP							
3Ø 480Y/277 VAC	50 HP							
3Ø 480 VAC	50 HP							
3Ø 600Y/347 VAC	50 HP							
3Ø 600 VAC	50 HP							

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

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

Non-Fusible Safety Switches

AMPS	A	B	C	D	E	F	G	H	I	J	K
30	5.75	7.38	4.88	7.19	9.69	3.75	5.75	6.56	6.13	8.06	8.88
60	7.19	9.13	6.31	9.63	12.38	4.75	7.19	8.13	8.00	10.38	11.38
100	7.19	9.13	6.31	9.63	12.38	4.75	7.19	8.13	8.00	10.38	11.38



(See dimensions above.)

Field Uses/Vertical Markets

- Food & Beverage
- Petrochemical
- Pulp & Paper Mills
- Water/Waste Water
- Mines
- Shipbuilding
- Refrigeration
- Temporary Power

Also available...

- Hospital Grade Devices
- PlugTail® Devices
- SPD & Isolated Ground Devices
- Ground Continuity Monitoring (GCM)
- Straight Blade Plugs & Connectors
- Turnlok® Locking Devices
- Weatherproof Boxes & Covers
- IEC 309 Industrial Products
- Flexcor® Wire Mesh Grips

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