

## NON-FUSIBLE SAFETY SWITCHES



### Non-Fusible Safety Switches UL Listed as “Suitable as Motor Disconnect.”

Here’s the first non-metallic NEMA 4X Non-Fusible Safety Switch line UL Listed as “Suitable as Motor Disconnect” — per NEC® Article 430.109(A)(6).

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.

And when you take a closer look, you’ll see even more to like. For example, the fits-anywhere compact design. The adjustable mounting feet that speed installation. Or the no-confusion, at-a-glance ON/OFF status indication.

See how P&S Non-Fusible Safety Switches work better for you.

# NON-FUSIBLE SAFETY SWITCHES

- A. Compact design** fits in most I-beams to provide mounting versatility, easy access, and reduced possibility of impact damage.
- B. Nonconductive, watertight, corrosion-, heat-, and impact-resistant thermoplastic enclosure** ensures NEMA 4X and 12 ratings. Withstands the harshest industrial environments.
- C. Corrosion-resistant, stainless steel captive screws** speed installation, minimize risk of lost parts, and withstand abuse.

- D. Adjustable mounting feet** can be moved to center of unit for instant strut- or pole-mounting without special brackets or harnesses.
- E. Durable, stainless steel cover-retaining chain** makes installation and maintenance more convenient.
- F. Heavy-duty, ergonomic switch handle meets OSHA Lockout/Tagout provisions** and provides plenty of grip for sure, easy operation. Black/red color coding and high-visibility ON/OFF markings

clearly indicate status from a distance and at any visual angle. Switch entry into the enclosure is offset to the side and sealed to provide enhanced water resistance.

**Bottom and top wiring access options.** No unnecessary openings to compromise water resistance.

**Top mount auxiliary contact** enables additional control functions or signal lights.



# NON-FUSIBLE SAFETY SWITCHES

## Ordering Information

VOLTAGE	MAXIMUM HORSEPOWER RATING	NON-FUSIBLE SAFETY SWITCH CATALOG #	NON-FUSIBLE SAFETY SWITCH WITH AUXILIARY CONTACT** CATALOG #	AUXILIARY CONTACT KIT*	REPLACEMENT SWITCH	REPLACEMENT SWITCH WITH AUXILIARY CONTACT	REPLACEMENT COVER
<b>30 AMPS</b>	<b>600VAC</b>						
120VAC	1 HP	PS30SS	PS30SSAX	AX30	RS30	PS30RSAX	PS30SSRC
208VAC	2 HP						
240VAC	3 HP						
277VAC	3 HP						
480VAC	5 HP						
3 $\phi$ 240VAC	5 HP						
3 $\phi$ 480VAC	10 HP						
3 $\phi$ 600VAC	10 HP						
3 $\phi$ Y 120/208VAC	5 HP						
3 $\phi$ Y 277/480VAC	10 HP						
3 $\phi$ Y 347/600VAC	10 HP						
<b>60 AMPS</b>	<b>600VAC</b>						
120VAC	3 HP	PS60SS	PS60SSAX	AX60	RS60	Contact Customer Support	PS60SSRC
208VAC	10 HP						
240VAC	10 HP						
277VAC	15 HP						
480VAC	20 HP						
3 $\phi$ 240VAC	20 HP						
3 $\phi$ 480VAC	40 HP						
3 $\phi$ 600VAC	50 HP						
3 $\phi$ Y 120/208VAC	20 HP						
3 $\phi$ Y 277/480VAC	40 HP						
3 $\phi$ Y 347/600VAC	50 HP						
<b>100 AMPS</b>	<b>600VAC</b>						
120VAC	5 HP	PS100SS	PS100SSAX	AX60	Contact Customer Support	Contact Customer Support	PS100SSRC
208VAC	10 HP						
240VAC	15 HP						
277VAC	15 HP						
480VAC	30 HP						
3 $\phi$ 240VAC	25 HP						
3 $\phi$ 480VAC	50 HP						
3 $\phi$ 600VAC	50 HP						
3 $\phi$ Y 120/208VAC	20 HP						
3 $\phi$ Y 277/480VAC	50 HP						
3 $\phi$ Y 347/600VAC	50 HP						

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

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

### Mounting Feet Replacement Kit

CATALOG NUMBER	DESCRIPTION
SSMF	Mounting Feet Replacement Kit for PS30SS and PS30SSAX



RS30



AX30

# NON-FUSIBLE SAFETY SWITCHES

## Materials of Manufacture Typical/Sample Spec

### Typical Specifications

- Manufacturer's Identification PS60SS
- Description: Non-Fusible Safety Switch
- Rating: 60A, 600VAC maximum
- Enclosure Type: NEMA 4X (watertight, hosedown), 12K (dust-tight, 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.

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

PERFORMANCE	
<b>Electrical:</b>	
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 below) RMS amps at 600VAC
Operations	Mechanical: 15,000 cycles Electrical: 10,000 cycles
Auxiliary Contacts (optional)	10A @ 600VAC 1 N.O. & 1 N.C.
<b>Mechanical:</b>	
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)
<b>Environmental:</b>	
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 stable

### Interrupting Ratings — RMS Symmetrical Amperes

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

CATALOG NUMBER	MANUAL MOTOR CONTROLLER	MOTOR DISCONNECT
PS30SS (AX)	10,000 AMP	10,000 AMP
PS60SS (AX)	10,000 AMP	5,000 AMP
PS100SS (AX)		

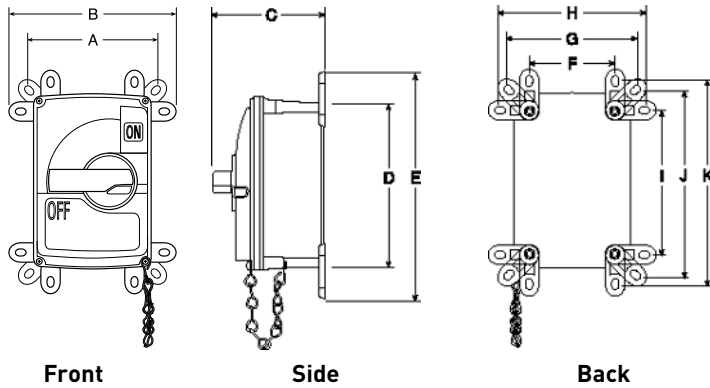
# NON-FUSIBLE SAFETY SWITCHES

## Dimensions

### Non-Fusible Safety Switches Dimensions

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

All measurements shown in inches.



[See dimensions above.]