

LPS Series POWR-Switch



The Littelfuse POWR-Switch provides a simple and economical solution for applications that require selective coordination and shunt trip capabilities. Common applications include elevator circuits, data processing rooms, and building emergency systems.

By utilizing Class J time-delay fuses, the POWR-Switch is easily coordinated with other system overcurrent devices. The shunt trip capability allows the POWR-Switch to meet the ANSI/ASME standard that requires power to be automatically disconnected before water is turned on by the fire safety system. The POWR-Switch also features pre-wired control circuits that can help reduce installation costs.

Standard Features

- 600V 3-pole fuse power switch
- 200,000 RMS interrupting rating
- Shunt trip 120V
- Control power terminal block
- Ground lug per NEC
- Class J fuse block
- NEMA 1 enclosures

Optional Features

- Control power transformer with fuses and blocks
- Fire safety interface relay
- Key to test switch
- Pilot light "On"
- Isolated neutral lug
- Mechanical interlock auxiliary contact for hydraulic elevators with automatic recall (5 amp 120 VAC rated)
- Fire alarm voltage monitoring relay
- NEMA 3R, 4, and 12 enclosures

Benefits

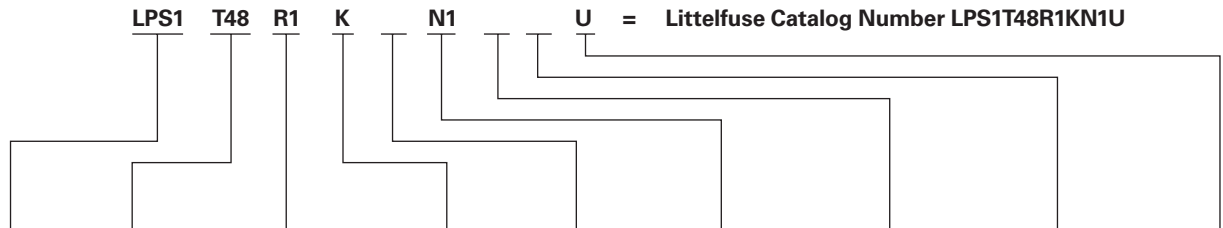
- Optional features offer flexibility for a variety of applications
- UL Listed package
- Lower installation costs than systems with many separate components
- Pre-wired control circuits lower installation time
- Lockable Operating handle meets all code and safety requirements
- No confusion over which building trade is supplying the components
- POWR-Switch is a single unit, which makes procurement easier than systems with multiple components

LPS Series POWR-Switch

Ordering Information

Complete catalog numbers consist of switch catalog numbers and the desired options. See example below.

Example Catalog Number:



Littelfuse Switch Catalog Number		Control Power Transformer Std. 100VA with PRI & SEC Fuse (120V Sec.)		Fire Safety Interface Relay (3PDT, 10amp, 120V)		Key to Test Switch		Pilot Light "ON"		Isolated Neutral Lug		Mechanical Interlock Auxilliary Contact for Hydraulic Elevators w/ Automatic Recall (5 amp 120 VAC rated)		Fire Alarm Voltage Monitoring Relay (To Monitor Shunt Trip Voltage)		Optional Enclosures	
Catalog No.	Rating	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code
LPS3	30A	208V	T20	24 VDC Coil	R2	120V	K	Red	R	30-60A	N6	1 NO & 1 NC	A	Single Pole	F1	NEMA 3R	U
LPS6	60A	240V	T24	120 VAC Coil	R1			Green	G	100A	N1	2 NO & 2 NC	B	Three Pole	F3	NEMA 4	Y
LPS1	100A	480V	T48					White	W	200A	N2					NEMA 12	Z
LPS2	200A	600V	T60							400A	N4						
LPS4	400A																

Note: Desired options must appear in the order shown above. Typical options include Control Power Transformer, Fire Safety Interface Relay, Mechanical Interlock Auxiliary Contact and Fire Alarm Voltage Monitoring Relay.

Enclosure Dimensions

Catalog Series	Amp Rating	NEMA 1 Dimensions	NEMA 3R Dimensions	NEMA 4, 12 Dimensions	Lug Size
LPS3	30	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#14 - #8 AL or CU
LPS6	60	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#14 - #2 AL or CU
LPS1	100	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#8 - 1/0 AL or CU
LPS2	200	30"H x 20"W x 9"D	30"H* x 20"W x 8"D	30"H x 20"W x 10"D	#6 - 250kcmil AL or CU
LPS4	400	48"H x 36"W x 12"D	Contact Factory	Contact Factory	3/0 AL or CU

Note: Over-size enclosures used to accommodate control power transformer, interface relay and terminal blocks.

*For NEMA 3R enclosures add 2 inches to height for mounting tabs.

Specifications

Approvals: UL Listed and CSA Certified
Rating: 30A, 60A, 100A, 200A, 400A
Shunt Trip Ratings:

Amp Rating	Voltage Rating	Max Inrush	Max Overtime	Momentary Inrush
30-400A	120V, 60Hz	4A	1.5 cycles	140VA

LPMP Series POWR-Switch Panel

600 Volts • Shunt-Trip Disconnect Switch

NEW



Littelfuse LPMP series POWR-Switch Panel is designed specifically for applications that require shunt-trip capabilities and the need to individually control power for a bank of equipment. The POWR-Switch Panel offers the flexibility to incorporate multiple switches into a panel enclosure and meet all applicable code requirements.

Standard Features

- UL Listed Package
- NEMA 1 Enclosure
- Fusible Class J Switches (rated 30-400 amps)
- 200,000 amp RMS Short-Circuit Rating

Optional Features

- Control Power Transformers
- Fire Safety Interface Relay
- Key to Test Switch
- Pilot Light "On"
- Mechanical Interlock Auxiliary Contact (for hydraulic elevators with recall)
- Fire Alarm Voltage Monitor Relay
- NEMA 3R Enclosures

Ordering Information

Catalog Numbers

LPMP 400
LPMP 600
LPMP 800

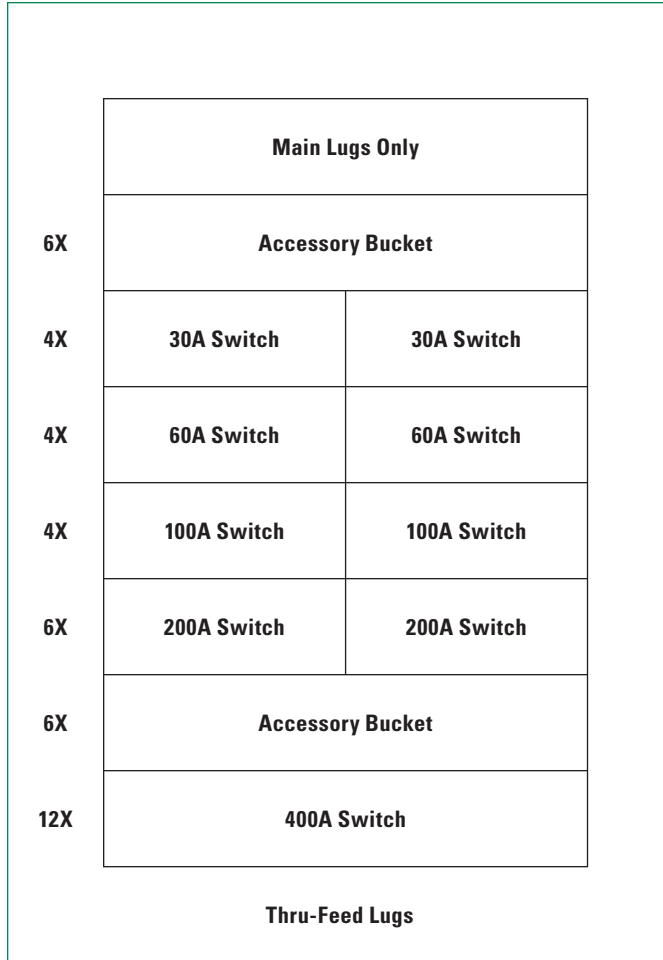
Specifications

Voltage Rating:	600V
Short-Circuit Rating:	200,000 amps RMS
Ampere Ratings:	400, 600, 800A
Approvals:	UL Listed to UL 67 Panelboards and UL 891 Dead Front Switches

LPMP Series POWR-Switch Panel

600 Volts • Shunt-Trip Disconnect Switch

Panel Spacing



Note: Main Lug Only is standard.
One Accessory bucket is required for every four switch units.

Standard Panel Dimensions

Panel Rating	Dimensions (in.) H x W x D	Available Space (X units)	
		3W	4W
400 A	57 x 40 x 12	18X	16X
600 A	73.5 x 40 x 12	26X	24X
800 A	90 x 40 x 12	38X	35X

Note: "X" Space = 1 3/4 inches (refers to height only)

Main Lug Terminal Information

Panel Rating	Cond. /Phase	Wire Range	Bending Space	
			Top/Bot.	Side
400 A	(2)	# 6 - 300 kcmil Al or Cu	11.31"	10.00"
	(1)	3/0 - 750 kcmil Al or Cu		
600 A	(2)	3/0 - 500 kcmil Al or Cu	11.31"	10.00"
800 A	(3)	3/0 - 500 kcmil Al or Cu	11.31"	10.00"
	(2)	3/0 - 750 kcmil Al or Cu		

Note: Local codes may change minimum wire bends.

POWR-Switch Panel "Bucket" Options

Bucket/Switch Rating	Description	Space	Conductors Per Phase	Wire Range
30/30	Twin 30 amp switches	4X	(1)	# 14 - # 8 Al or Cu
30/Blank	Single 30 amp switch	4X	(1)	# 14 - # 8 Al or Cu
60/60	Twin 60 amp switches	4X	(1)	# 14 - # 2 Al or Cu
60/Blank	Single 60 amp switch	4X	(1)	# 14 - # 2 Al or Cu
100/100	Twin 100 amp switches	4X	(1)	# 8 - 1/0 Al or Cu
100/Blank	Single 100 amp switch	4X	(1)	# 8 - 1/0 Al or Cu
200/200	Twin 200 amp switches	6X	(1)	# 6 - 250 kcmil Al or Cu
200/Blank	Single 200 amp switch	6X	(1)	# 6 - 250 kcmil Al or Cu
400	Single 400 amp switch	12X	(2)	3/0 - 750 kcmil Al or Cu
Accessory	Contains CPT, Pilot Lights, etc.	6X	N/A	N/A