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# LPS SERIES SHUNT TRIP DISCONNECT SWITCH



# Description

The Littelfuse<sup>®</sup> LPS Series provides a simple and economical solution for applications that require selective coordination and shunt trip capabilities.

Utilizes Class J time-delay fuses that are easily coordinated with other system overcurrent devices. The shunt trip capability allows the LPS Series to meet the ANSI/ASME standard that requires power to be automatically disconnected before water is turned on by the fire safety system.

### **Applications**

- Elevator circuits
- Data processing rooms
- Building emergency systems

#### Web Resources

Download technical information: littelfuse.com/lps

## Specifications (Disconnect Switch)

Supply Voltage Rating\* Ampere Range Enclosures 208 V, 240 V, 480 V 30 A, 60 A, 100 A, 200 A, 400 A NEMA 1 (standard) NEMA 3R, NEMA 4, NEMA 12 (optional) UL Listed (File: E219511)

Approvals \*Contact factory for 600 V options.

# Specifications (Shunt Trip)

-	-		
Voltage Rating	120 V, 60 Hz		
Max Inrush	4 A		
Max On time	1.5 cycles		
Momentary Inrush	140 VA		

# **Features/Benefits**

- Pre-engineered single unit, which makes procurement easier than systems with multiple components
- Reduces labor costs up to 66% and total installation costs by over 30%
- Pre-installed UL Listed Class J fuse holder unique Class J size eliminates the need for any rejection type fuse clips
- Optional features offer flexibility for a variety of applications
- Color coded control power terminal blocks
- UL Listed package
- Cu and Al wire rated
- Pre-wired control circuits lower installation time
- Lockable operating handle meets all code and safety requirements (accepts up to 3 locks)
- Every unit is fully tested before delivery

#### Options

- 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
- Option to bypass alarm when performing maintenance (-AZ option)
- XPress-Ship™ service offers 48 hours direct shipment service on select fully loaded LPS Series Shunt Trip Disconnect Switches



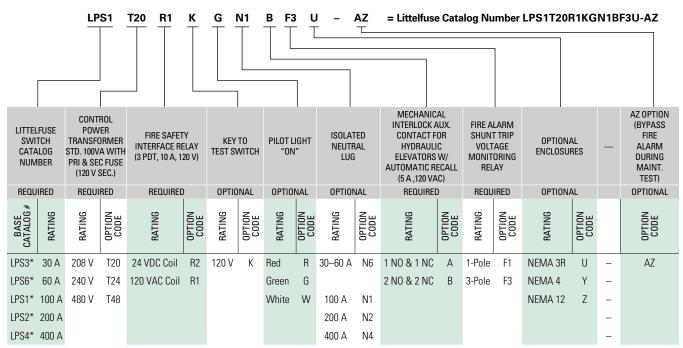
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# LPS SERIES SHUNT TRIP DISCONNECT SWITCH

#### **Ordering Information**

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

#### **Example Catalog Number from Desired Options**



\*Part Numbers: Any voltage can be paired with any amperage. Options can be any combination but the ratings must match the option code. Not all options are required. Contact factory for 600 V control power transformer option.

Note: When ordering - desired options must be listed 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.

#### **Dimensions of Enclosure**

CATALOG SERIES	AMPERE RATING	NEMA 1 DIMENSIONS	NEMA 3R DIMENSIONS	NEMA 4, 12 DIMENSIONS	LUG SIZE	SHIPPING WEIGHT (LBS)
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	75
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	75
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	75
LPS2	200	30"H x 20"W x 9"D	30"H x 24"W x 8"D	30"H x 20"W x 10"D	#6 - 250kcmil AL or CU	85, 115*, 120**
LPS4	400	48"H x 36"W x 10"D	48"H x 36"W x 12"D	48"H x 36"W x 10"D	3/0 AL or CU	225

\* NEMA 3R

\*\* NEMA 4 & NEMA 12

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

XPress-Ship <sup>™</sup>	AMPERE RATING	VOLTAGE RATING	CATALOG NUMBER	<b>XPress-Ship™</b> ORDERING NUMBER
Airess omp	60 A	480 V	LPS6T48R1KGN6BF3-AZ	XPS6T48R1KGN6F3-AZ*
US Only	100 A	480 V	LPS1T48R1KGN1BF3-AZ	XPS1T48R1KGN1F3-AZ*
Littelfuse XPress-Ship <sup>™</sup> service offers 48 Hours** direct-shipment	100 A	480 V	LPS1T48R1KGN1BF3	XPS1T48R1KGN1BF3
service on select fully-loaded LPS Series Shunt Trip Disconnect Switches to meet your urgent system requirements on time.	200 A	208 V	LPS2T20R1KGN2BF3-AZ	XPS2T20R1KGN2F3-AZ*
Switches to meet you urgent system requirements on time.	200 A	480 V	LPS2T48R1KGN2BF3	XPS2T48R1KGN2BF3

XPress-Ship<sup>™</sup> switches include three JTD\_ID Series fuses rated at the device's maximum ampacity.

\*AZ option includes B & F3 options.

\*\*XPress-Ship<sup>™</sup> 48 hour service requires ordering from XPress-Ship<sup>™</sup> Ordering Numbers shown above and is subject to a maximum of any combination of three switches per customer order. XPress-Ship<sup>™</sup> service offers 48 hour shipment from the factory through standard ground transportation. For expedited delivery, contact your local Littelfuse Representative.