

LPS SERIES POWR-SWITCH

Shunt Trip Disconnect Switch



Description

The Littelfuse® POWR-Switch 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 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.

Applications

- Elevator circuits
- Data processing rooms
- Building emergency systems

Specifications

Voltage Rating*	208 V, 240 V, 480 V
Interrupting Rating	200 kA
Shunt Trip	120 V
Enclosures	NEMA 1 (standard) NEMA 3R, NEMA 4, NEMA 12 (optional)
Approvals	UL Listed CSA Certified

*Contact factory for 600 V and other options.

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%
- Optional features offer flexibility for a variety of applications
- Control power terminal block
- UL Listed package
- Lockable operating handle
- Cu and Al wire rated
- Pre-wired control circuits lower installation time
- Lockable operating handle meets all code and safety requirements
- 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)

Web Resources

Downloadable CAD drawings, Maintenance and Operation Manuals, and other technical information:

Littelfuse.com/lps

More specialized configurations are also available.
Contact factory for more information.

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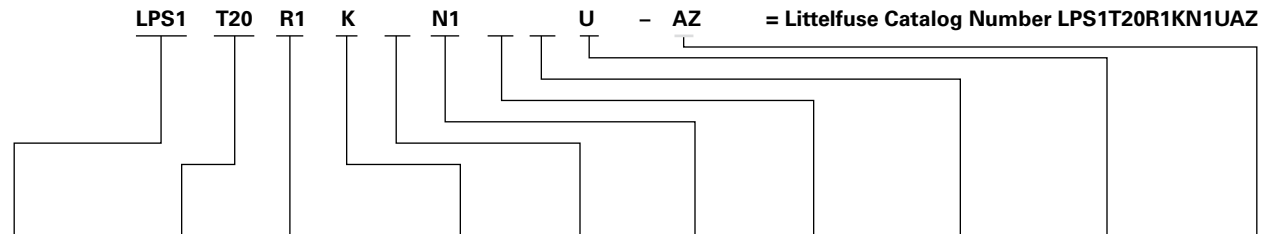
Shunt Trip Disconnect Switch



Ordering Information

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

Example Catalog Number from Desired Options



LITTELFUSE SWITCH CATALOG NUMBER		CONTROL POWER TRANSFORMER STD. 100VA WITH PRI & SEC FUSE (120 V SEC.)		FIRE SAFETY INTERFACE RELAY (3 PDT, 10 A, 120 V)		KEY TO TEST SWITCH		PILOT LIGHT "ON"		ISOLATED NEUTRAL LUG		MECHANICAL INTERLOCK AUX. CONTACT FOR HYDRAULIC ELEVATORS W/ AUTOMATIC RECALL (5 A, 120 VAC)		FIRE ALARM SHUNT TRIP VOLTAGE MONITORING RELAY		OPTIONAL ENCLOSURES		AZ OPTION (BYPASS FIRE ALARM DURING MAINT. TEST)	
BASE CATALOG #	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	OPTION CODE	
LPS3*	30 A	208 V	T20	24 VDC Coil	R2	120 V	K	Red	R	30-60 A	N6	1 NO & 1 NC	A	1-Pole	F1	NEMA 3R	U	-	AZ
LPS6*	60 A	240 V	T24	120 VAC Coil	R1			Green	G	100 A	N1	2 NO & 2 NC	B	3-Pole	F3	NEMA 4	Y	-	AZ
LPS1*	100 A	480 V	T48					White	W	200 A	N2					NEMA 12	Z	-	AZ
LPS2*	200 A									400 A	N4							-	AZ
LPS4*	400 A																	-	AZ

*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 details.

Contact factory for 600 V and other options.

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
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 24"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 11"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.

Specifications (Shunt Trip)

Voltage Rating	120 V, 60 Hz
Ampere Range	30-400 A
Max Inrush	4 A
Max On time	1.5 cycles
Momentary Inrush	140 VA

Note: The Littelfuse LPS, LPMP and LCP products are custom designed products that fall outside standard specifications.

More specialized configurations are also available. Contact factory for more information.