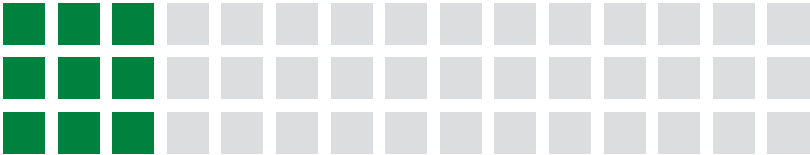




**PRE-ENGINEERED SOLUTIONS**  
FUSED COORDINATION PANELS AND  
SHUNT TRIP DISCONNECT SWITCH



# Table of Contents

Fusible Switches and Panels.....1

LFCP Series Fused Selective Coordination Panel.....2

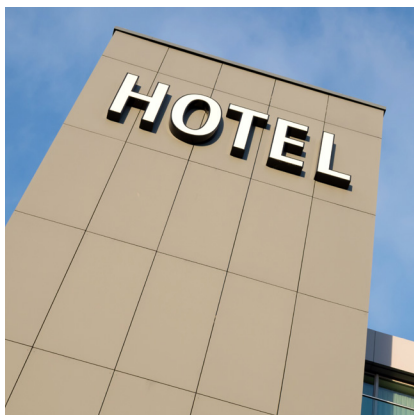
LCP Series Fused Selective Coordination Panel.....4

LPS Series Shunt Trip Disconnect Switch.....6

# Fusible Switches and Panels

Pre-engineered panels and switches provide a complete, one-piece solution for easy procurement and code compliance. Ideal for non-residential construction, these pre-built solutions:

- allow safe and easy selective coordination of critical load branch circuit with an electrical system's circuit protection
- provide a simple time-saving solution for circuits requiring selective coordination
- meet NEC\* requirements



\*NEC is a trademark of its respective owner.

# Pre-Engineered Solutions

## LFCP SERIES FUSED COORDINATION PANEL

### Selective Coordination Panel



### Description

The Littelfuse LFCP series fused coordination panel is a compact fusible and easily configurable pre-engineered panel for circuits requiring selective coordination. Rated up to 600 V ac, this coordination panel saves time and money, plus increases safety, by minimizing system downtime.

The advanced LFCP series is available with 200 kA SCCR rating using Class CC and J fuses and can be used on branch and feeder/service entrance circuits.

### Features/Benefits

- Meets NEC selective coordination code requirements
- Main lug only or main fused disconnect options available
- Class CC fuse holders have built-in open-circuit indication
- 35 A–200 A Class J fuses are available with open-circuit indication
- Uses standard disconnects and Class CC and J fuses
- Feed-through lugs available
- Neutral options are configurable for service entrance
- Ground options can be field isolated
- Copper bus standard
- Surface mount
- Available in standard 20" width enclosure for easy installation
- Door-in-door construction standard
- NEMA 1 indoor enclosure

### Additional Design Options

- 200 % neutral rating
- Spare fuse storage (holds 10 spare CC fuses)
- Surge protective device overvoltage protection

### Specifications

|                            |                           |
|----------------------------|---------------------------|
| <b>Voltage Ratings</b>     | 600 V ac or less*         |
| <b>Ampere Ratings</b>      | 60 A, 100 A and 200 A     |
| <b>Conductor Terminals</b> | See next page             |
| <b>UL Listed</b>           | UL 67 Enclosed Panelboard |
| <b>SCCR</b>                | 200 kA at 600 V ac        |

\* Suitable for 120/208, 277/480 and 600 V ac applications

### Applications

- Elevators
- Hospitals and medical centers
- Hotels
- Entertainment industry
- Amusement parks and stadiums
- Multi-unit residential constructions
- Schools

### Code Requirements

NEC requires that the following systems be selectively coordinated:

- Health Care Essential Electrical Systems (NEC 517.26)
- Elevators (NEC 620.62)
- Emergency Systems (NEC 700.32 in 2017) (NEC 700.28 in 2014)
- Legally Required Standby Systems (NEC 701.18)
- Critical Operations Power Systems (NEC 708.54)

### Web Resources

For more information, visit: [Littelfuse.com/LFCP](https://www.littelfuse.com/LFCP)

# Pre-Engineered Solutions

## LFCP SERIES FUSED COORDINATION PANEL

### Part Numbering System

LFCP6 FD 30 - 00 4 S B T = Littlefuse Catalog Number LFCP6FD30-004SBT

| LITTELFUSE PANEL CATALOG NUMBER |        | MAIN DEVICE      |      | TOTAL BRANCH CIRCUITS |      | 60 A BRANCH CIRCUITS (AVAILABLE IN 3 POLE ONLY) |      | PANEL VOLTAGE |      | SURGE PROTECTION |      | FEED           |       | BUSBAR PLATING       |       |
|---------------------------------|--------|------------------|------|-----------------------|------|-------------------------------------------------|------|---------------|------|------------------|------|----------------|-------|----------------------|-------|
| Required                        |        | Required         |      | Required              |      | Required                                        |      | Required      |      | Optional         |      | Optional       |       | Optional             |       |
| Catalog Number                  | Rating | Type             | Code | Quantity              | Code | Quantity                                        | Code | Type          | Code | Type             | Code | Type           | Code  | Type                 | Code  |
| LFCP6                           | 60 A   | Fused Disconnect | FD   | 18                    | 18   | 0                                               | 00   | 120/208 V*    | 2    | SPD2** Series    | S    | Top (Standard) | Blank | Un-plated (Standard) | Blank |
| LFCP1                           | 100 A  | Main Lug Only    | ML   | 24                    | 24   | 3                                               | 03   |               |      |                  |      | 277/480 V*     |       | 4                    |       |
| LFCP2                           | 200 A  |                  |      | 36                    | 36   | 9                                               | 09   | Silver        | A    |                  |      |                |       |                      |       |
|                                 |        |                  |      | 42                    | 42   | 12                                              | 12   |               |      |                  |      |                |       |                      |       |

\* Contact factory for 240 V single phase option.

\*\* Contact factory for SPD with neutral to ground protection.

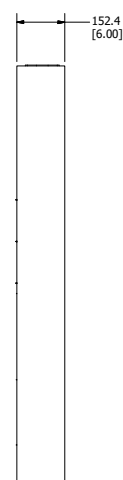
### Physical Characteristics

| ENCLOSURE SIZE | PANEL CIRCUIT    | "A" DIMENSIONAL HEIGHT | "B" DIMENSIONAL HEIGHT | TYPE(S)          | MAIN WIRE RANGE (AWG) | NEUTRAL WIRE RANGE (AWG)     | GROUND WIRE RANGE (AWG) | FEED-THROUGH WIRE RANGE (AWG) |
|----------------|------------------|------------------------|------------------------|------------------|-----------------------|------------------------------|-------------------------|-------------------------------|
| 20"Wx50"H      | 200 A            | 1273.2<br>[50.125]     | 1133.5<br>[44.625]     | MLO              | 6–300 kcmil           | 4–600 kcmil                  | 6–350 kcmil             | N/A                           |
|                | Fused Disconnect |                        |                        | 4–300 kcmil      | 4–600 kcmil           | 6–350 kcmil                  | 6–3/0                   |                               |
|                | 100 A            |                        |                        | Fused Disconnect | 14–2/0                | 6–350 kcmil                  | 6–350 kcmil             | 6–3/0                         |
| 20"Wx32"H      | 175 A            | 816.0<br>[32.125]      | 676.3<br>[26.625]      | MLO              | 6–3/0                 | 6–350 kcmil*<br>4–600 kcmil* | 6–350 kcmil             | N/A                           |
|                | 60 A             |                        |                        | Fused Disconnect | 14–4                  | 6–350 kcmil                  | 6–350 kcmil             | 6–3/0                         |

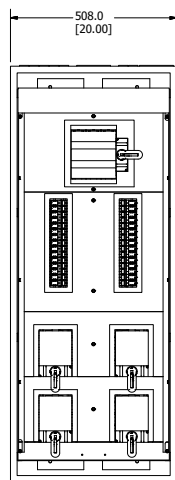
Note: 200 % neutral wire ranges are shown.

\* Dependent on specific panel amperage to provide 200 % rated neutral.

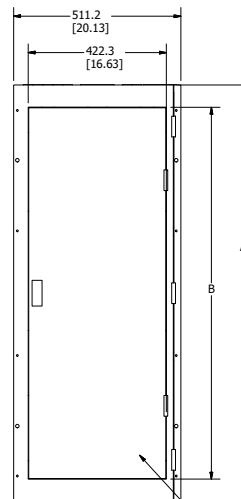
### Dimensions Millimeters (inches)



Side View



Front View with Door Assembly Removed



Front Trim Type 1 (NEMA) Enclosure Door in Door Assembly with Catch & Lock

| Series  | A mm [in]       | B mm [in]       |
|---------|-----------------|-----------------|
| LFCP2FD | 1273.2 [50.125] | 1133.5 [44.625] |
| LFCP2ML | 1273.2 [50.125] | 1133.5 [44.625] |
| LFCP1FD | 1273.2 [50.125] | 1133.5 [44.625] |
| LFCP1ML | 816.0 [32.125]  | 676.3 [26.625]  |
| LFCP6FD | 816.0 [32.125]  | 676.3 [26.625]  |

**Warranty** – Visit [www.littelfuse.com/warranty](http://www.littelfuse.com/warranty) for details.

**Disclaimer Notice** – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/product-disclaimer](http://www.littelfuse.com/product-disclaimer).

### Selective Coordination Panel



### Description

The Littelfuse® Coordination Panel provides a simple, time-saving solution for circuits that require selective coordination. This UL Listed product saves time and money, and increases safety by minimizing system downtime.

### Applications

- Elevators
- Hospitals
- Hotel and Entertainment Industry
- Amusement Parks and Stadiums

### Code Requirements

Systems required by the NEC to be selectively coordinated include:

- Health Care Essential Electrical Systems (NEC 517.26)
- Elevators (NEC 620.62)
- Emergency Systems (NEC 700.32 in 2017) (NEC 700.28 in 2014)
- Legally Required Standby Systems (NEC 701.18)
- Critical Operations Power Systems (NEC 708.54)

### Features/Benefits

- Meets NEC requirements
- Class CC and J fuse holders have built-in open-circuit indication
- Fast-acting UL Listed fuses protect against short circuits
- Feed through/sub feed lugs and 84-circuit configuration available
- Ground and neutral bars
- Copper bus standard

### Advanced Design Options

- MLO, Main Circuit Breaker, or Main Fused Pullout device
- Fused Class T branch circuit pullout
- Spare fuse cabinet accessory (holds six spare fuses)
- SPD overvoltage protection
- Any NEMA enclosure required
- High amperage sub-fed branch breakers (J60A)

### Specifications

|                            |                                         |
|----------------------------|-----------------------------------------|
| <b>Voltage Ratings</b>     | 120/208, 120/240, 277/480 V ac          |
| <b>Main Bus Rating</b>     | 100 A–400 A Standard                    |
| <b>Conductor Terminals</b> | 6 AWG–300 kcmil                         |
| <b>UL Listed</b>           | UL 67 Panel boards and UL 50 Enclosures |
| <b>SCCR</b>                | 100 kA Max*                             |

### Web Resources

For more information, visit: [Littelfuse.com/LCP](http://Littelfuse.com/LCP)

\* The following current-limiting fuses must be used directly upstream for 100 kA SCCR.

1. 120/208 Volt Panels – LLNRK 100 A max, JTD\_ID 200 A max, or JLLN 200 A max
2. 120/240 Volt Panels – LLSRK\_ID 200 A max, JTD\_ID 200 A max, or JLLS 200 A max
3. 277/480 Volt Panels – LLSRK\_ID 200 A max, JTD\_ID 200 A max, or JLLS 200 A max

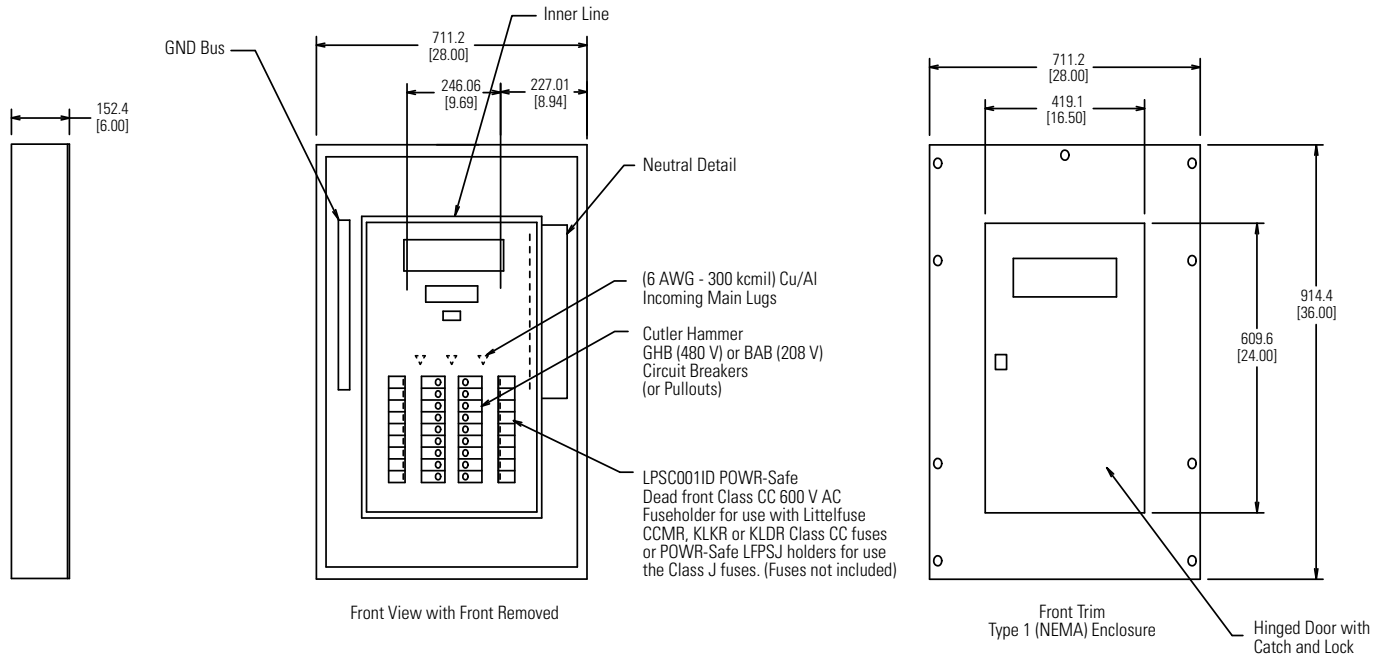
### Customizable Options (select one from each column)

| NUMBER OF CIRCUITS | VOLTAGE           | MAIN DEVICES                         | NEUTRAL RATING | PANEL MOUNTING | PANEL DOOR   | FUSE HOLDERS  | BRANCH CIRCUIT PROTECTION DEVICES (1–3 POLE)† | PANEL FEED | OPTIONAL LUGS        | STANDARD ENCLOSURE RATING |
|--------------------|-------------------|--------------------------------------|----------------|----------------|--------------|---------------|-----------------------------------------------|------------|----------------------|---------------------------|
| 2–42               | 120/208 V 3P, 4 W | 125, 225, 400 or 600 A MLO           | 100 %          | Surface        | Standard     | 30 A Class CC | 10 A–60 A fused circuit breaker               | Top        | None                 | NEMA 1                    |
|                    | 277/480 V 3P, 4 W | Up to 600 A MCB or Main Fuse Pullout | 200 %          | Flush          | Door-in-door | 60 A Class J  | 70 A–200 A fused pullouts                     | Bottom     | Sub-Fed (MLO panels) | NEMA 3R                   |
|                    |                   |                                      |                |                |              | >100A Class T | Sub-fed circuit breakers >60 A (not fused)    |            | Feed-Through         | NEMA 4X                   |
|                    |                   |                                      |                |                |              |               |                                               |            |                      | NEMA 12                   |

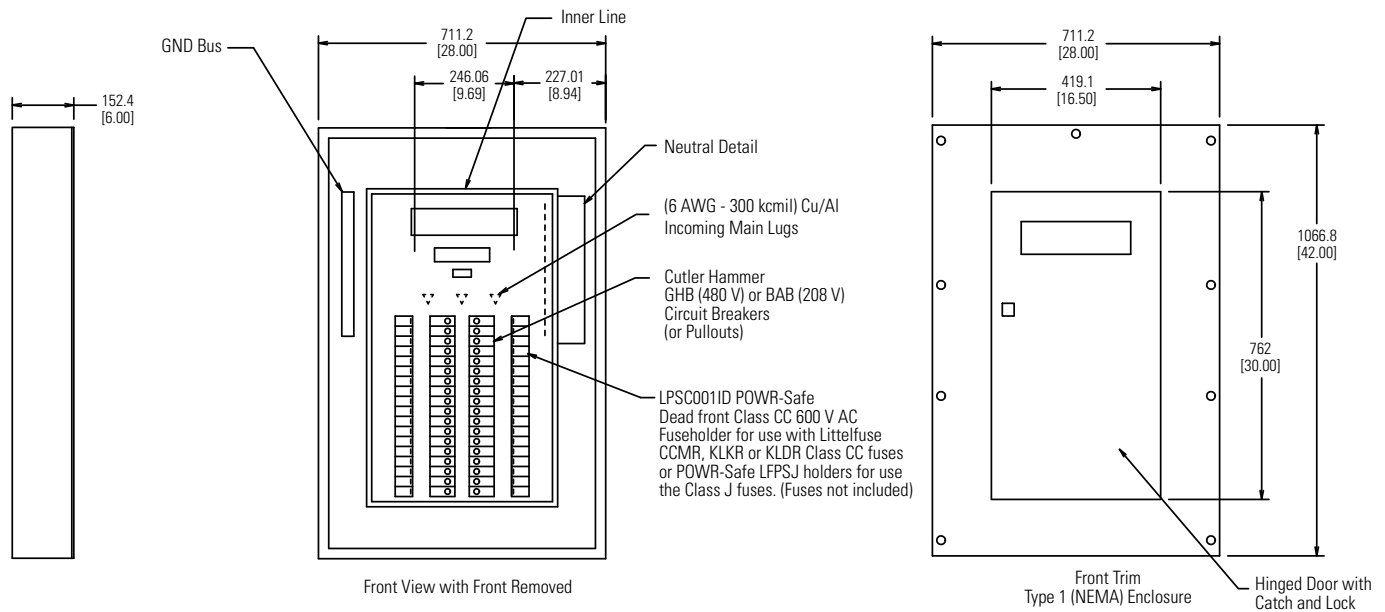
†Fuses quoted separately to meet panel specifications. Coordination for breakers >60 A depends on upstream and downstream devices. More specialized configurations are also available. Contact factory for more information.

### Dimensions Millimeters (inches)

#### Standard Coordination Panel Board (up to 30 circuits)



#### Standard Coordination Panel Board (31 to 42 circuits)



*Note: The Littelfuse LCP Series products are custom designed products that fall outside standard specifications.*

Dimensions may change depending on panel components.  
More specialized configurations are also available.  
Contact factory for more information.

# Pre-Engineered Solutions

## LPS SERIES SHUNT TRIP DISCONNECT SWITCH



### Specifications (Disconnect Switch)

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| <b>Supply Voltage Rating*</b> | 208 V, 240 V, 480 V                                      |
| <b>Ampere Range</b>           | 30 A, 60 A, 100 A, 200 A, 400 A                          |
| <b>Enclosures</b>             | NEMA 1 (standard)<br>NEMA 3R, NEMA 4, NEMA 12 (optional) |
| <b>Approvals</b>              | UL Listed (File: E219511)                                |

\*Contact factory for 600 V options.

### Specifications (Shunt Trip)

|                         |              |
|-------------------------|--------------|
| <b>Voltage Rating</b>   | 120 V, 60 Hz |
| <b>Max Inrush</b>       | 4 A          |
| <b>Max On time</b>      | 1.5 cycles   |
| <b>Momentary Inrush</b> | 140 VA       |
| <b>SCCR</b>             | 200 kA       |

### 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 V ac 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

### Description

The Littelfuse® 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](https://www.littelfuse.com/LPS)

# Pre-Engineered Solutions

## 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

| = Littelfuse Catalog Number LPS1T20R1KGN1BF3U-AZ |        |                                                                        |             |                                                  |             |                    |             |                  |             |                      |             |                                                                                               |             |                                                |             |                     |             |   |                                                  |
|--------------------------------------------------|--------|------------------------------------------------------------------------|-------------|--------------------------------------------------|-------------|--------------------|-------------|------------------|-------------|----------------------|-------------|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------------|-------------|---------------------|-------------|---|--------------------------------------------------|
| LITTELFUSE SWITCH CATALOG NUMBER                 |        | CONTROL POWER TRANSFORMER STD. 100 VA 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 V AC) |             | FIRE ALARM SHUNT TRIP VOLTAGE MONITORING RELAY |             | OPTIONAL ENCLOSURES |             | — | AZ OPTION (BYPASS FIRE ALARM DURING MAINT. TEST) |
| REQUIRED                                         |        | REQUIRED                                                               |             | REQUIRED                                         |             | OPTIONAL           |             | OPTIONAL         |             | OPTIONAL             |             | REQUIRED                                                                                      |             | REQUIRED                                       |             | OPTIONAL            |             |   | OPTIONAL                                         |
| 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 V dc 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 V ac Coil                                    | R1          |                    |             | Green            | G           |                      |             | 2 NO & 2 NC                                                                                   | B           | 3-Pole                                         | F3          | NEMA 4              | Y           | — |                                                  |
| LPS1*                                            | 100 A  | 480 V                                                                  | T48         |                                                  |             |                    |             | White            | W           | 100 A                | N1          |                                                                                               |             |                                                |             | NEMA 12             | Z           | — |                                                  |
| LPS2*                                            | 200 A  |                                                                        |             |                                                  |             |                    |             |                  |             | 200 A                | N2          |                                                                                               |             |                                                |             |                     |             | — |                                                  |
| LPS4*                                            | 400 A  |                                                                        |             |                                                  |             |                    |             |                  |             | 400 A                | N4          |                                                                                               |             |                                                |             |                     |             | — |                                                  |

\*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 - 250 kcmil 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    | (2) 3/0 - 250 kcmil 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™

US Only

Littelfuse XPress-Ship™ service offers 48 hours\*\* direct-shipment service on select fully-loaded LPS Series Shunt Trip Disconnect Switches to meet your urgent system requirements on time.

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

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

| AMPERE RATING | VOLTAGE RATING | CATALOG NUMBER      | XPress-Ship™ ORDERING NUMBER |
|---------------|----------------|---------------------|------------------------------|
| 60 A          | 208 V          | LPS6T20R1KGN6BF3-AZ | XPS6T20R1KGN6F3-AZ*          |
| 60 A          | 480 V          | LPS6T48R1KGN6BF3-AZ | XPS6T48R1KGN6F3-AZ*          |
| 100 A         | 208 V          | LPS1T20R1KGN1BF3-AZ | XPS1T20R1KGN1F3-AZ*          |
| 100 A         | 480 V          | LPS1T48R1KGN1BF3-AZ | XPS1T48R1KGN1F3-AZ*          |
| 100 A         | 480 V          | LPS1T48R1KGN1BF3    | XPS1T48R1KGN1BF3             |
| 200 A         | 208 V          | LPS2T20R1KGN2BF3-AZ | XPS2T20R1KGN2F3-AZ*          |
| 200 A         | 480 V          | LPS2T48R1KGN2BF3    | XPS2T48R1KGN2BF3             |

\*AZ option includes B & F3 options.

### Shunt-Trip Operation

The disconnecting means is a shunt-trip operated switch. The control power source for the shunt-trip operator is a 120 V ac supply originating in the Littelfuse LPS series disconnect. Current to the shunt-trip device is switched by an isolation relay, which is in turn controlled by the FACP (Fire Alarm Control Panel).

The control signal may be either 24 V dc from the FACP (option R2) or a “dry” contact closure in the FACP (option R1). In the case of a “dry” contact closure, the sensing voltage is 120 V ac originating in the Littelfuse LPS series disconnect.

**CAUTION: When using the “dry” contact closure, option R1, DO NOT supply 120 V ac from the FACP as equipment damage or personnel injury may occur.**

A key test option (option K) is available to test the shunt-trip circuit.

### Supervisory Indication

Additionally, an optional separate relay can be specified to monitor the 120 V ac control power source in the Littelfuse LPS series disconnect. This relay (option FR) is used to provide supervisory indication of “Control Power Available” as required by NFPA 72 Section 6.15.4.4.

### Fuse Table

| DISCONNECT SWITCH<br>VOLTAGE/TRANSFORMER TYPE | PRIMARY FUSES (2) |                    | SECONDARY FUSE (1) |                    |
|-----------------------------------------------|-------------------|--------------------|--------------------|--------------------|
|                                               | FUSE TYPE         | FUSE RATING (AMPS) | FUSE TYPE          | FUSE RATING (AMPS) |
| 208/120 V ac                                  | KLDR001           | 1                  | FLM1.12            | 1-1/8              |
| 240/120 V ac                                  | KLDR.500          | 1/2                | FLM1.12            | 1-1/8              |
| 480/120 V ac                                  | KLDR.400          | 4/10               | FLM1.12            | 1-1/8              |
| 600/120 V ac                                  | KLDR.250          | 1/4                | FLM1.12            | 1-1/8              |

All Littelfuse LPS series disconnect switches are UL Listed and designed for safe access by qualified personnel. When maintenance or shutdown service is required, no energized parts are exposed inside the enclosure when the disconnect switch is manually turned to the OFF position. For proper maintenance safety precautions, always turn off incoming power to the Littelfuse LPS series switch when possible. When servicing any live electrical equipment, always wear appropriate personal protective equipment.

### Power Wiring Torque Specifications

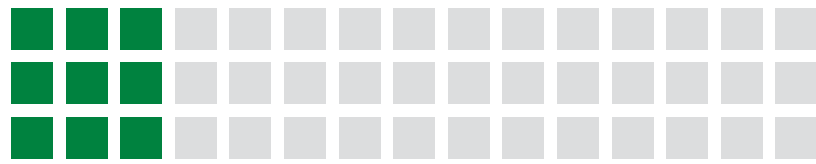
| CHARACTERISTICS               | LPS3               | LPS6               | LPS1               | LPS2               | LPS4              |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| Amps                          | 30                 | 60                 | 100                | 200                | 400               |
| MCS Wire Size                 | 14–1/0             | 14–1/0             | 14–1/0             | 4–300 kcmil        | (2) 3/0–250 kcmil |
| Molded Case Switch (MCS) Mfr. | ABB                | ABB                | ABB                | ABB                | ABB               |
| MCS Catalog No.               | XT2HU3125DFF000XXX | XT2HU3125DFF000XXX | XT2HU3125DFF000XXX | XT4HU3250DFF000XXX | T5H400DWS4        |
| MCS Lug Type                  | KXT2CUAL1          | KXT2CUAL1          | KXT2CUAL1          | KXT4CUAL2C         | KT5400-3          |
| MCS Lug Torque (in-lbs)       | 50 in-lb*          | 50 in-lb*          | 50 in-lb*          | 200 in-lb*         | 275 in-lb*        |
| Fuse Block Mfr.               | LITTELFUSE         | LITTELFUSE         | LITTELFUSE         | LITTELFUSE         | LITTELFUSE        |
| Fuse Block Catalog No.        | LFJ60030-3         | LFJ60060-3         | LFJ60100-3         | LFJ60200-3         | LFJ60400-3        |
| Fuse Lug Torque (in-lbs)      | 25 in-lb†          | 45 in-lb†          | 120 in-lb†         | 275 in-lb†         | 275 in-lb†        |
| Neutral Lug Mfr.              | LITTELFUSE         | LITTELFUSE         | LITTELFUSE         | LITTELFUSE         | LITTELFUSE        |
| Neutral Lug Catalog No.       | LS21211            | LS21211            | LS21211            | LS31231            | LS455712          |
| Neutral Lug Torque (in-lbs)   | 35 in-lb†          | 45–120 in-lb†      | 120 in-lb†         | 275 in-lb†         | 500 in-lb†        |
| Ground Lug Mfr.               | PANDUIT            | PANDUIT            | PANDUIT            | PANDUIT            | PANDUIT           |
| Ground Lug Catalog No.        | LAMA 1/0-14-Q      | LAMA 1/0-14-Q      | LAMA 1/0-14-Q      | LAMA 250-56-Q      | LAMA 350-38-Q     |
| Ground Lug Torque             | 25 in-lb‡          | 45 in-lb‡          | 120 in-lb‡         | 275 in-lb‡         | 275 in-lb‡        |

Note: Torque specs apply only to wire compression screws. Other requirements may exist for attachment of lugs and accessories to these devices. See manufacturer data.

\*Per ABB.com

† Littelfuse Device nameplate data.

‡ Panduit, “Torque Chart for Aluminum Mechanical Connectors”.



# White Paper: *The Essential 18-Point Checklist for Code-Compliant Elevator Installations*

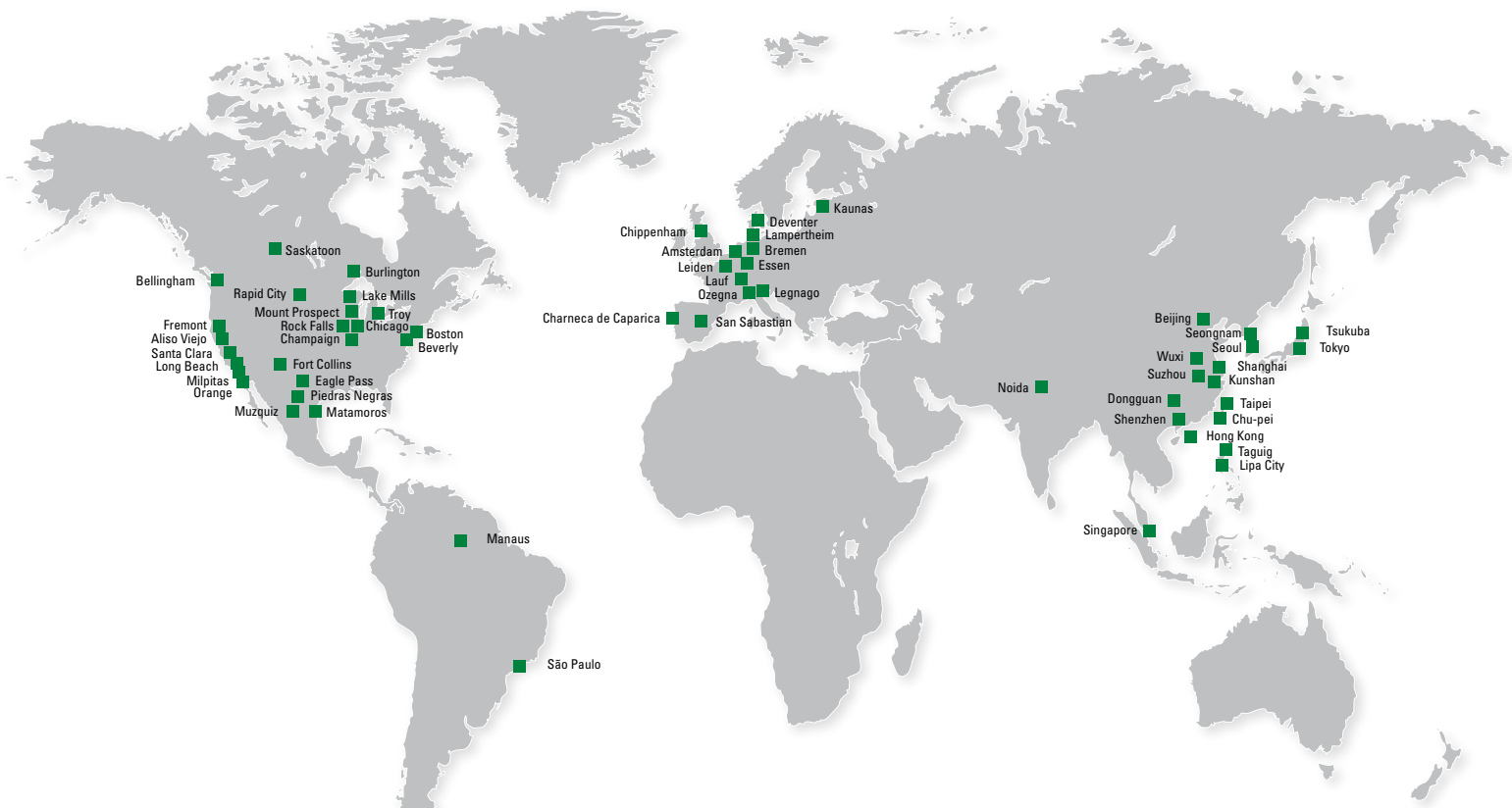
Your Guide to the latest **Codes & Compliance Standards** for Elevator Installations

[Littelfuse.com/ElevatorChecklist](http://Littelfuse.com/ElevatorChecklist)



Electrical contractors must manage the ups and downs of codes and standards — a task that is made more complicated by frequent changes and by standards that reference each other. Fortunately, many of these codes and standards contain quite similar provisions, and it's possible to boil down the major ones into a fairly short list.

# LOCAL RESOURCES FOR A **GLOBAL** MARKET



## [Littelfuse.com/PreEngineered](https://www.littelfuse.com/PreEngineered)

For a comprehensive library of resources including datasheets, product manuals, white papers, application guides, demos, online design tools, catalogs, and more, visit [Littelfuse.com/TechnicalResources](https://www.littelfuse.com/TechnicalResources)

### North America

**Littelfuse World Headquarters**  
8755 West Higgins Road, Suite 500  
Chicago, IL 60631, USA

**Littelfuse SymCom**  
1241 Concourse Drive  
Rapid City, SD 57703, USA

**Littelfuse Startco**  
140 – 15 Innovation Boulevard  
(The Galleria Building)  
Saskatoon, SK S7N 2X8, Canada  
Tel: +1-306-373-5505

**Hartland Controls now part of Littelfuse**  
807 Antec Road  
Rock Falls, IL 61071, USA  
Tel: +1-815-626-5170

**Technical Support:**  
Tel: +1-800-TEC-FUSE  
E-mail: [techline@littelfuse.com](mailto:techline@littelfuse.com)

**Customer Service:**  
Tel: +1-800-227-0029  
E-mail: [PG\\_CSG@littelfuse.com](mailto:PG_CSG@littelfuse.com)

### Asia

**Littelfuse**  
Unit 1604B Desay Building,  
Gaoxin Nanyi Ave.  
Hi-Tech Industrial Park  
Nashan District  
Shenzhen, 518057, China  
+86 755 8207 0760

### Europe

**Littelfuse**  
Julius-Bamberger-Str. 8a  
Bremen, D-28279, Germany  
+49 421 82 87 3 147



Littelfuse products are certified to many standards around the world. To check certifications on specific components, please refer to the specific product datasheet on [Littelfuse.com](https://www.littelfuse.com).

**Disclaimer Notice** – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/product-disclaimer](https://www.littelfuse.com/product-disclaimer).