

Introducing the Global Pro System



Offering World Class Performance and Global Acceptance

The International Challenge

Engineers and equipment designers are faced with a dilemma when choosing the right circuit protection for their globally distributed equipment. They need to determine what markets the product will be used in, what local electrical standards apply in each of those markets, and what fuses should be used so users can find replacements easily.

The Global Pro System resolves these design issues by incorporating North American standards to fit internationally accepted IEC fuse dimensions. This allows touch-safe fuseholders that can be used in virtually any market and permits equipment to be easily adapted by simply replacing the fuse with one that meets local standards. It's that simple.

The benefits of the Global Pro System include:

- Global Acceptance
- UL and IEC approval
- Class J performance in an IEC package
- Universal voltages
- Touch-safe components
- Integrated lockout/tagout devices for OSHA compliance
- Blown fuse indication
- Design versatility for OEM's
- Built-in microswitch to integrate into PLC networks, turn on stack lighting, and remote blown fuse indication

Global Acceptance – Total Pro-Tection

The Littelfuse Global Pro circuit protection system combines fuses and fuse-holders in a simple package designed to comply with UL and IEC requirements. The result is the single best solution for your worldwide circuit protection needs.

Flexible Components

The components of the Global Pro system are vital to its performance. The key component within the integrated system is the fuse. The Littelfuse Global Fuse is designed to offer UL Class J performance, but with the compact size and international compatibility associated with fuses manufactured to IEC dimensions.

More Protection In Less Space

Global Pro fuses are significantly smaller in size than 30, 60, and 100 amp Class J fuses. All Global Pro fuses offer:

- Extremely Compact Size
- Pop-up Pin Blown Fuse Indication
- Class J Performance
- Compatibility with IEC style fuse holders



Good



Blown

LgD Series Global Pro-tection Fuses

600 Volts AC – Time Delay - 1-100 Amperes



The Global Pro system is designed to save valuable space in a crowded panel while providing designers with the flexibility of a universally accepted design for easy replacement. Global Pro fuses are far more compact and have greater power handling capability than conventional products. Global Pro fuses are up to 75% smaller than Class R fuses and up to 50% smaller than Class J fuses while providing the time delay that is necessary for motor circuit protection.

Global Pro fuses also provide quick and positive visual identification of blown fuses by using a pop-up indicator design that protrudes from the top of the fuse. The pop-up indicator is designed to immediately alert maintenance personnel that it needs to be replaced. Touch-safe fuse holders are available with a built-in microswitch that is activated by the pop-up indicator. The microswitch can be used to integrate into PLC networks, turn on stack lighting, and provide equipment operators with a remote method of determining when the fuse needs to be replaced.

APPLICATIONS

- Motor control centers
- Motor branch circuits
- Primary & secondary protection of transformers
- Equipment designed for export

SPECIFICATIONS

Voltage Rating: AC: 600 Volts (UL)

690 Volts (IEC)

DC: 500 Volts (1-30A)

300 Volts (35-60A)

Interrupting Rating: AC: 200,000 amps

DC: 100,000A (1-30A)

20,000A (35-60A)

Ampere Range: 1-100* amperes

Approvals: UL Listed Special Purpose
(1-30 amps)

UL Recognized (35-60 amps)

CSA Certified (1-60 amps)

*Contact factory for ratings above 60A

AMPERE RATINGS

1	8	15	30	45	70*	100*
3	10	20	35	50	80*	
6	12	25	40	60	90*	

*Contact factory for ratings above 60A

Example part number (series & amperage): LgD 60

RECOMMENDED FUSEHOLDERS

LPSG Series Global PRO Fuseholders

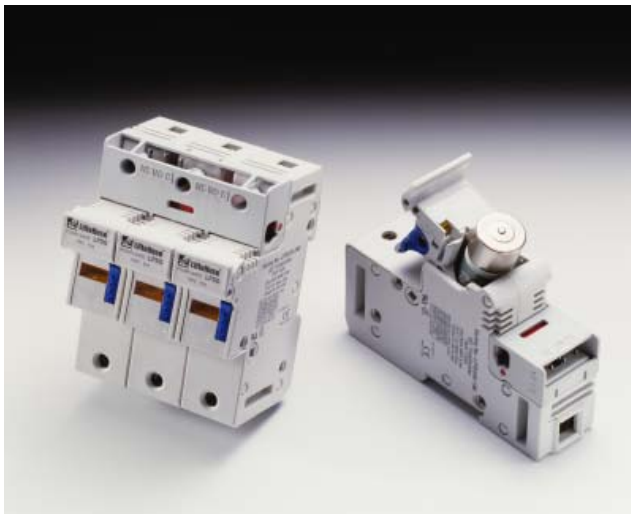
FEATURES AND BENEFITS

- Extremely compact size
- Pop-up Pin Indication
- **Class J performance**
- Global acceptance
- UL and IEC approval
- Touch-safe components
- Design versatility for the OEM

DIMENSIONS

Part Number	Amperage	English	Metric
LgD 0-30A	0-30A	9/16" x 2"	14mm x 51mm
LgD 35-60A	35-60A	13/13" x 2-1/4"	22mm x 58mm
LgD 70-100A	70-100A	1-1/16" x 2-3/8"	27mm x 60mm

LPSG Series Global Pro Fuseholders



Littelfuse's Global Protection System simplifies circuit protection by incorporating North American electrical requirements into fuse styles found in the rest of the world. The Global Pro fuseholder features a microswitch that is actuated by a blown fuse. This allows the Global Pro system to integrate into PLC networks and provide remote blown fuse indication. An indicator light also allows maintenance personnel to locate blown fuses quickly.

FEATURES and BENEFITS

- IP20 Touch-Safe Design to IEC 529
- DIN Rail Mounting (35mm rail)
- Integrated Lock-out/tagout device for OSHA compliance
- Compact Size – up to 60% smaller than Class R blocks and up to 25% smaller than Class J blocks.
- Blown Fuse Indicator to quickly identify blown fuses
- Integrated microswitch for remote fuse status and PLC integration

SPECIFICATIONS

Voltage Rating: 750 AC/DC

Withstand Rating: 200,000 amps

Ampere Range: 30, 60, and 100* amperes

**Contact Factory for ratings above 60 amps.*

Terminal Type: Pressure Plate

Recommended Torque: 30A: 35 In. lbs.
60A: 45 In. lbs.

Wire Range: #2-14 CU

Material: Thermo-plastic

Approvals: UL Recognized

CSA Certified

IEC 269/947-3

Indicator: Neon Lamp

- Minimum 90 VAC, 115VDC to operate indicator
- Less than 0.7mA leakage current at 600V

RECOMMENDED FUSES

LgD series Global Pro Fuses

ORDERING INFORMATION

Catalog No.	Amp Rating	Poles	Pack Qty.
LPSG30-1MI	30A	1	6
LPSG30-2MI	30A	2	3
LPSG30-3MI	30A	3	2
LPSG60-1MI	60A	1	6
LPSG60-2MI	60A	2	3
LPSG60-3MI	60A	3	2
LPSG100-1MI	100A	1	6
LPSG100-2MI	100A	2	3
LPSG100-3MI	100A	3	2

Note: LPSG series fuseholders are not approved to be a load-break disconnect.

Mouser Electronics

Authorized Distributor

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[Littelfuse:](#)

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