



We Deliver the Power™

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PowerPLUS™
Installed Distribution Boxes

Connector Strips

Extruded Aluminum Raceway



Features & Benefits

- *Wide range of connector types to suit most applications*
- *Aluminum extrusion is inherently rustproof for longer life, better appearance*
- *Rigid extrusion can't bend or flex*
- *Data option provides an integrated data and power distribution solution*
- *Pre-wired assemblies make installation fast and easy*

Specifications

Environmental Rating	NEMA Type 1 Indoor
Input	Molded barrier terminal strip. Extended junction box used for more than 20 circuits
Output	20 Amp Stage Pin, 20 Amp Locking (L5-20) or 20 Amp Edison. Flush or 18" 12/3 SO pigtails.
Enclosure	Black powder coated aluminum extrusion 4.75" H x 3.375" D
Circuit Labeling	2" white die-cut numbers standard, Lamacoid numbering option

Typical Applications

Connector strips are used overhead to distribute power and DMX512 to lighting fixtures in theaters and other places of assembly. Connector strips are often located on the suspended pipes over the stage and on pipes and catwalks over the audience.

Hanging & Mounting Solutions:

SPI (In Line Inline)

- Mount a single pipe, centered on the connector strip
- Metal bracket to secure 1-1/2" schedule 40 pipe

DPI (Double Pipe Inline)

- Mount pipes above and below the connector strip, centered on the connector strip
- Metal bracket to secure 1-1/2" schedule 40 pipe

PG (Pipe Grid) *Not Shown*

- Mount connector strip above a pipe grid
- U-bolt provided to secure 1-1/2" schedule 40 pipe

SPA (Single Pipe All-thread)

- Suspend connector strip from threaded rod
- U-bolt provided to secure 1-1/2" schedule 40 pipe



Specifications

1. General

- 1.1. Connector strips shall be provided to distribute power to stage lighting luminaires in the locations shown on the drawings.

2. Mechanical

- 2.1. Housing shall be a 3.375" x 4.75" in cross section aluminum extrusion with interlocking cover sections.
- 2.2. Aluminum extrusion shall be inherently rustproof. Connector strips constructed of formed steel will not be acceptable.
- 2.3. Connector strip shall be finished with electrostatic black paint.

3. Electrical

- 3.1. Molded barrier type terminal blocks with screw lugs shall be provided for the connection of circuits feeding the connector strip.
- 3.2. Terminal blocks shall be located within the terminal strip extrusion for up to twenty 20 Amp circuits and in an extended terminal box when the connector strip contains more than twenty-20 Amp circuits.
- 3.3. The connector strip shall be fully prewired using XLP high temperature wire rated for 125°C.
- 3.4. Terminal blocks shall be rated to accept up to #8 AWG wire.
- 3.5. Output connectors shall be [SPECIFY TYPE] 20 Amp Stage Pin receptacles [OR] NEMA L5-20 Locking receptacles [OR] NEMA 5-15 receptacles [OR] 60 Amp stage pin receptacles.
- 3.6. Output connectors shall be [SPECIFY TYPE] flush [OR] 18" pigtails.
- 3.7. [OPTION] DMX pass-thru plates shall be provided as scheduled/ shown on the drawings.

4. Labeling

- 4.1. Outlets shall be identified with 2" high die-cut circuit identification numbers on the vertical surface of the strip.
 - 4.1.1. Numbering shall be as shown on the drawings or as scheduled.

5. Mounting

- 5.1. Connector strips shall be supplied with mounting brackets manufactured from 1.5" wide 11 gauge flat bar.
- 5.2. Hangers shall be [SPECIFY TYPE] single pipe hangers [OR] double pipe hangers [OR] pipe grid hangers.
- 5.3. Brackets shall be supplied to grip up to 2" O.D. schedule 40 steel pipe.

6. Agency Approval

- 6.1. The entire assembly shall be Listed and labeled by Underwriters Laboratories for sale in the U.S.A. or Canada.
- 6.2. The connector strip shall meet or exceed UL 1573 specifications.

7. Supply

- 7.1. Connector strips shall be PowerPLUS as manufactured by Lex Products of Shelton, CT.

Markets Served

Theatrical, Motion Picture and Television Production, Convention Centers

Ordering Information

PP040-H16LI-32AA

Catalog number abbreviations and definitions:

