



AUDIO  
TECHNOLOGIES®

## POWERLATCH™ CHASSIS CONNECTORS

Powerlatch™ chassis connectors are specialized AC power connectors designed to replace common IEC bulkhead inlet and outlet connectors for a more secure connection.

UL Recognized and Approved Components



IO-PRC3MPA

IO-PRC3MPB

### SPECIFICATIONS

#### PRODUCT

Gender: **Male**

Contacts: **3**

#### ELECTRICAL

Contact Resistance:  $\leq 3 \text{ m}\Omega$

Insulation Resistance:  $\geq 100 \text{ M}\Omega$

Dielectric Strength: **2000 V @ 60s**

Current Rating: **25 A / 250 V AC**

#### ENVIRONMENTAL

Flammability: **UL 94 V-0**

Standard Compliance: **IEC 61984**

Working Temperature: **-40°C ~ +70°C (-40°F ~ +158°F)**

UL Listed (US): **E500108**

#### MECHANICAL

Lifetime: **> 1000 Mating Cycles**

Locking Device: **Quick Lock**

Mounting Direction: **Front Mounting**

Chassis Shape: **J Size**

Wiring: **Flat Tab Terminals**

Protection Grade: **IPX5**

#### MATERIAL

Contacts: **Phosphor Bronze**

Contact Plating: **Silver**

Shell: **Polyamide**

Shell Finish: **Blue or Gray**

Locking Element: **Phosphor Bronze**

Locking Element Plating: **Nickel**

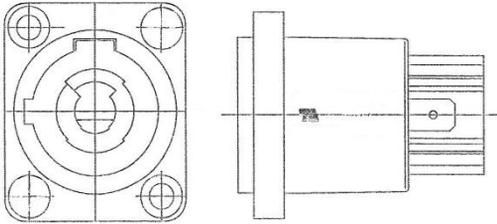
Product specifications may change without prior notification

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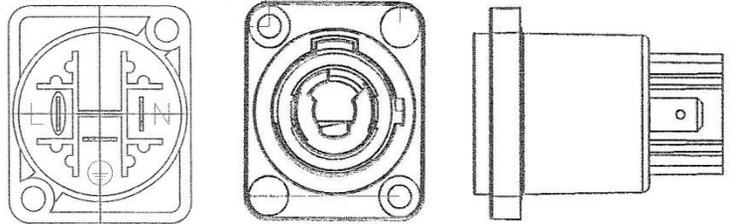


## DRAWINGS

### IO-PRC3MPA



### IO-PRC3MPB



## FEATURES & APPLICATIONS

Powerlatch™ AC power chassis connectors are designed for single-phase AC applications and are rated for 20A at 250V AC which makes them perfect for high current applications like stage productions, lighting, or video distribution systems. As such, these connectors include several safety features to protect the user. They utilize a twist-to-lock motion in order to provide the safest connection for high current applications by virtually eliminating the possibility of accidental unplugging while protecting the user from unintentional shocks and conductor damage. The connectors are also specifically keyed and color coded for input (blue or A) and output (gray or B) to eliminate the possibility of intermating. Lastly, they feature a pre-mating ground contact to ensure the circuit is properly grounded before the rest of the conductors make a connection. The chassis connectors are designed to fit into standard "J" Size power receptacle locations. Powerlatch™ chassis connectors are a perfect solution for applications where local receptacle standards differ, but safety must be maintained at all times. The sturdy, locking plastic connectors offer durability that will ensure years of reliable service without interruption or fatigue even in harsh environments. The ability to install or remove them in the field means that installers and integrators can customize their use and get the job done.

NOTE: Not to be disconnected under load.

### PART NUMBER BREAKDOWN:

IO-**PRC**3MPA  
Power Connector  
IO-PRC**3**MPA  
3 Conductor  
IO-PRC3**M**PA  
Male  
IO-PRC3MP**A**  
Panel Mount Connector  
IO-PRC3MP**A**  
A = Blue, B = Gray

### STANDARDS & CLASSIFICATIONS



Product specifications may change without prior notification