

# PowerPlane Busbar Power Connectors >

PowerPlane Busbar Power Connectors deliver high-current performance along with various configurations and feature options, making them applicable for a wide range of power-distribution applications

## FEATURES AND ADVANTAGES

### High-conductivity copper alloy

Provides superior electrical performance

### Float-mount design available

Allows up to +/- 1.00mm of misalignment, facilitating blind mating in deep racks



### Silver plating for lower resistance

Provides excellent reliability and performance

### Dimensionally compatible with competitors' connectors

Allows for drop-in replacement for second-source opportunities



### Multiple, independent points of contact

Allows for 40% more points of contact than competitive products for high reliability and enhanced performance



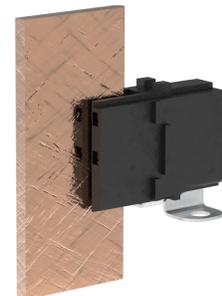
PowerPlane Busbar Power Connectors

### One part number mates with 3.00- and 3.18mm-thick busbar tabs

Facilitates mating with de facto output blades for typical power supply applications

### Low-voltage drop

Affords minimal heat generation



### Mounts to a busbar via two holes using customer-supplied machine screws as well as solder tab options

Promotes secure fastening to busbar

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## MARKETS AND APPLICATIONS

### Consumer

Power connections

### Data Center Solutions

Routers

### Networking

Network interfaces  
Networking equipment  
Power supplies  
Rack-mount servers

### Telecommunications

Base stations  
Routers  
Switches

### Industrial Automation

Automobile construction equipment

### Commercial Vehicle

### Energy Storage Systems

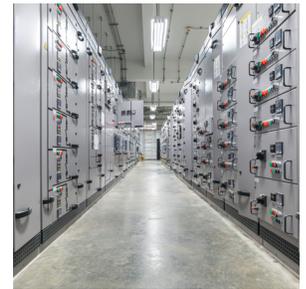
Electrical switch panels



Network Servers



Robot Assembly Arm



Electrical Switch Panels

## SPECIFICATIONS

### Reference Information

Packaging: Tray

UL File No.: 1977

CSA File No.: C22.2 and 182.3-M1987

Mates With: Busbar

Use With:

- Series: 213191 → Busbar
- Series: 213205 → Busbar

Designed In: Millimeters

RoHS: Yes

Halogen Free: Yes

Glow Wire Capable: No

### Electrical

Voltage (max.): 600V AC

Current (max.):

Reference product specifications

Contact Resistance (max.):

Reference product specifications

Insulation Resistance (min.):

Reference product specifications

### Mechanical

Durability (min.):

Series 213191—100 cycles

Series 213205—100 cycles

### Physical

Housing: High-temperature plastic

Contact: Copper alloy

Mating Surfaces:

- Series: 213191 Silver
- Series: 213205 Silver

Mounting Tabs:

- Series 213191—Tin
- Series 213205—Tin

Underplating: Nickel

Operating Temperatures: -40 to +105°C

[www.molex.com/link/busbar.html](http://www.molex.com/link/busbar.html)