DATASHEET

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



PowerPlane Busbar Power Connectors

FEATURES AND ADVANTAGES

High-conductivity copper alloy
Provides superior electrical performance



Dimensionally compatible with competitors' connectors
Allows for drop-in replacement for second-source opportunities

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



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

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

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