

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

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

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

Multiple, independent points of contact

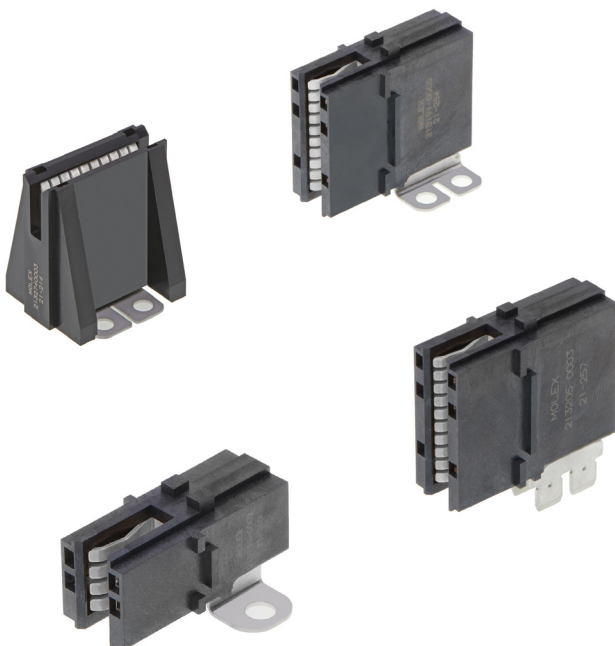
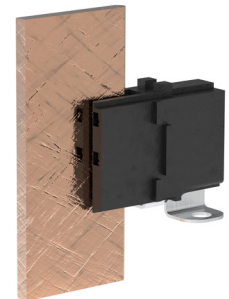
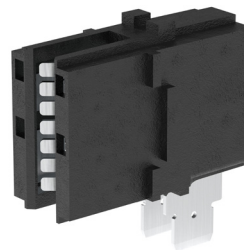
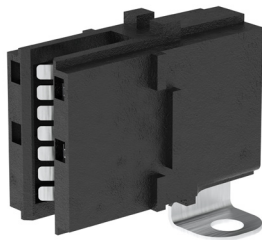
Allows for 40% more points of contact than competitive products for high reliability and enhanced performance

Screw-mount or solder-attach options

Allows for flexible and secure fastening to the busbar or PCB



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MARKETS AND APPLICATIONS

Automotive

EV charging stations

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

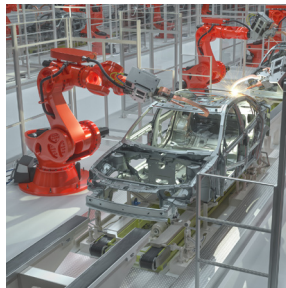
Commercial Vehicle

Energy Storage Systems

Electrical switch panels



Network Servers



Robot Assembly Arm



Electrical Switch Panels

SPECIFICATIONS

Reference Information

Packaging: Tray

UL File No.: E29179

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

Mates With: Busbar

Use With:

- Series: 213191 → Busbar or PCB
- Series: 213205 → PCB
- Series: 213274 → Busbar or PCB

Designed In: Millimeters

RoHS: Yes

Halogen Free: Yes

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—200 cycles

Series 213205—200 cycles

Series 213274, 213794—200 cycles

Physical

Housing: High-temperature plastic

Contact: Copper alloy

Mating Surfaces:

- Series: 213191 Silver
- Series: 213205 Silver
- Series: 213274, 213794 Silver

Mounting Tabs:

- Series 213191—Tin
- Series 213205—Tin
- Series 213274—Tin

Underplating: Nickel

Operating Temperatures: -40 to +125°C

www.molex.com/link/busbar.html