

BarKlip® XP200 Connector

HIGH POWER AND LOW RESISTANCE 3.00MM BUSBAR CONNECTOR

Amphenol's BarKlip® XP200 connector provides a convenient method of distributing up to 200A directly to a 3.00mm mating busbar. The connector system features an integrated guide system that provides protection to the contacts during mating and un-mating.

BarKlip® XP200 features 10 independent conducting beams that maintain contact with the mating busbar in common misaligned positions which provides high reliability and low contact resistance. In addition, XP200 connectors are plated in Amphenol's proprietary AGT® silver-based plating to further ensure ultra-low contact resistance and overall improved energy efficiency.

- Distributes up to 200A
- Screw-mount to host busbar
- OCP 48V compliant design
- Ultra-low end-of-life contact resistance of 0.1mΩ
- AGT® Silver plating technology



TARGET MARKETS



FEATURES

- Contacts with high conductivity Copper Alloy
- Integrated guide system
- AGT® Silver plating technology
- Busbar misalignment (gatherability) ±3.00mm

BENEFITS

- Carries up to 200A/contact
- Provides protection to the contacts during mating and unmating
- Ultra-low end-of-life contact resistance of 0.1mΩ for improved energy efficiency
- Blind mate capability to misaligned busbars

TECHNICAL INFORMATION

MATERIAL

- Power Contacts – High Performance Copper Alloy
- Guide Shell – Stainless Steel
- Contact Area – AGT® Silver plating

ELECTRICAL PERFORMANCE

Power Contacts:

- Up to 200A (30°C temperature-rise over ambient, still air)

Operating Voltage Rating:

- 54VDC (The voltage rating is also dependent on the application)

Contact Resistance

- End-of-life contact resistance of 0.1mΩ

MECHANICAL PERFORMANCE

- Mating Busbar Thickness 3.00±0.10mm (See product Spec Busbar Recommendations)
- Mating/Un-mating Force: Mating force shall not exceed 30N and un-mating shall not be less than 3N
- Durability: 50 mating cycles

ENVIRONMENTAL

- Operating Temperature Range: -40 to +105 ° C
- RoHS Information: This product is compatible according to the European Union Directive 2011/65/EU

PART NUMBERS

Description	Part Numbers
Right Angle BarKlip® XP200	10157266-001LF

SPECIFICATIONS

- Product Specification: GS-12-1669
- Application Specification: GS-20-0684

APPROVALS AND CERTIFICATIONS

- UL Certification

PACKAGING

- Carton

TARGET MARKETS/APPLICATIONS



Hyperscale Computing Architectures



Power Supplies/ BBU's (Battery Backup Units)



Industrial Energy Storage