

BARKLIP® BK300 CONNECTOR

LOW RESISTANCE BUSBAR CONNECTOR

The Barklip® BK300 connector features 14 independent conducting beams that maintain contact with the mating busbar in common misaligned positions, therefore lowering resistance.

- Up to 350A at 30°C temperature rise in still air
- 14 independent points of contact for low resistance and high reliability
- AGT® plated contacts deliver lower resistance without the high cost of gold



FEATURES

- 14 independent points of contact
- AGT® plating technology
- Pass-through design
- Mates with 2mm, 3mm, 4mm thick busbar
- Low-halogen housing
- High temperature thermoplastic housing

BENEFITS

- Offers low resistance and high reliability
- Provides lower resistance at a lower cost
- Simplifies mating to the busbar
- Suitable for busbar Power Distribution Systems (PDUs) with different thicknesses
- Meets JEDEC JS709 Electronic Industry Standard
- Wide operating temperature from -40°C to +105°C

▶ BARKLIP® BK300 CONNECTOR

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, UL 94 V-0, Black
- Terminal: High Conductivity Copper Alloy
- Contact Area: AGT® plating over Nickel

MECHANICAL PERFORMANCE

- Durability: 50 mating cycles
- Mating Force: 40N max.
- Unmating Force: 6N max.

APPROVALS AND CERTIFICATIONS

- UL, CSA, TUV pending

PACKAGING

- Trays

ELECTRICAL PERFORMANCE

- Current Rating:
 - Up to 350A (30°C temperature rise in still air)
- Operating Voltage:
 - 600V (one-pole application, depending on MCD between adjacent BarKlip®)
 - 24V (two-pole application with laminated busbar)
- Dielectric Withstanding Voltage: 1000V
- Insulation Resistance: 5000M
- Contact Resistance: 0.2m max.

ENVIRONMENTAL

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

SPECIFICATIONS

- Product Specification: GS-12-1319
- Application Specification: GS-20-0446

TARGET MARKETS/APPLICATIONS



AC/DC Pluggable Power Supplies
Networking Equipment
Switches



Server
Storage Equipment



Hyperscale computing architectures
using busbars for power distribution

PART NUMBERS

Description	Part Numbers
BarKlip® BK300 for use with 2mm busbar	10129416-001LF
BarKlip® BK300 for use with 3mm busbar	10129416-002LF
BarKlip® BK300 for use with 4mm busbar	10129416-003LF

Disclaimer