

# Amphenol RADSOK® POWER BUS

## Amphe-PD™

High-powered applications are constantly in need of a solution that is higher in power, smaller in size, and low in cost. The Amphe-PD™ is that ideal solution.

The new low insertion force, locking, two-pole connector is UL listed at 69A and CSA listed at 55A. It is also TUV Finger Proof with a V0 fire rating. By combining parallel circuits into one, heat generation is reduced, space is saved, and very importantly, reliability is increased.

- Low cost, 100% molded housings
- Meets RoHS and UL94V-0 guidelines
- Integrated latching mechanism
- Easy, tool-less assembly
- Molded from UL94V-0 thermoplastic (self extinguishing)
- 2-Pole DC Power interconnect in about 1 square inch
- Tactile and audible locking
- Proven metal clip contact retention on receptacles
- TPA device on plug to insure socket locking



Amphe-PD™ Receptacle and plug



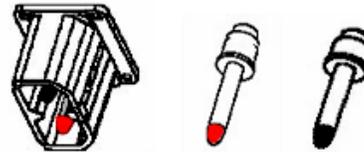
Inside cabinet

Amphe-PD™ on the back of cabinet

Part numbers:

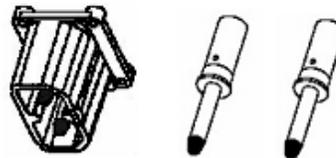
### 10-638975-000 Busbar Receptacle

- Swage pins for .093 thick Cu layered busbar
- TUV finger proof pins
- Housings without bosses
- The swage geometry may be adjusted for different thickness busbars.
- Housing designed to be captured within the busbar layers.



### 10-638976-000 Crimp Pin Receptacle

- AWG crimp, TUV finger proof
- Housing with screw bosses
- The crimp may be made with a Pico or Daniel's crimp tool (For reference only: Daniels Crimp tool WA23 with a WA23-3 die)



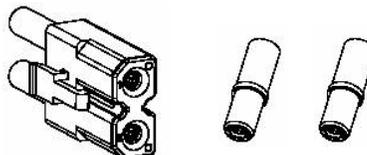
### 10-638977-000 PCB Tail Receptacle

- PCB Tail, TUV Finger Proof Pins
- Housing with screw bosses
- The 10-638977-000 is sold fully assembled to be soldered to a PCB.



### 10-638974-000 3.6mm RADSOK® Plug

- 3.6 mm RADSOK® Plug Connector
- TUV finger proof
- 6 AWG wire crimp wells
- The Plug is designed to accept SuperFlex 6 AWG wire to keep T-Rise to a minimum and
- Supports a very tight bend radius. Smaller wire size crimp wells are available.



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