

### FEATURES

- **Positive latching**

*Integral latches with ergonomic release provide over 50 lbs retention*

- **Available in straight, right angle, panel mount, blind mate and bus bar styles**

*The flexibility of the PowerMod®HP system serves a broad range of electronics applications*

- **Touch safe female connectors**

*Provide IP20 protection for safe, energized use outside the electronics cabinet*

- **Polarized dual pole connectors with optional hex key**

*Dual pole housings prevent shorting from reverse mating and the optional hex key allows the user to create unique mating schemes*

- **Strain relief option**

*Reduces risk of wire insulation creep and reduces transmission of wire loads to contacts improving service life*

- **Low connector mating forces**

*Connectors are easily mated and un-mated*

- **Silver plated, high conductivity contacts**

*Offers greater longevity for high power, elevated temperature applications*

- **Ease of assembly**

*Intuitive design allows for simplicity of assembly*



UL Current Rating (Amperes)	SP	450
	DP	390
CSA (30°C Rise / Amperes)	SP	280
	DP	250
Mating Force	SP	16.5 lbs. (74N)
	DP	33 lbs. (147N)
UL / CSA Voltage Rating	600	
Wire Size (AWG)	1/0 to 4/0	
(mm <sup>2</sup> )	50 to 95	
Dielectric Withstanding Voltage	2200	
Operating Temperature (°C)	-40° to 130°	
(°F)	-40° to 266°	
Ambient Temperature (°C)	-40° to 85°	
(°F)	-40° to 185°	
Latch Retention Force	50 lbs. (222N) min.	
Contact Retention Force	150 lbs. (667N) min.	
Mating		
a. No Load(mating cycles)	500	
b. Under Load(Hot Plug 250 mating cycles @ 120V)	150A	
Housing & Cable Clamp	PBT UL94 V-0	
Latch	PEI UL94 V-0	
Contacts	Copper alloy	
Hardware	Steel zinc chromate	



## PRODUCT INFORMATION

PowerMod®HP connectors, developed by Anderson Power Products, are the innovative New Generation of High Power Interconnections for the Electronics Industry. The product family provides; cost effective reliability, superior safety and ergonomics, with broad design flexibility. The positive latch and optional strain relief of PowerMod®HP connectors ensure superior reliability. The contacts are extremely durable and rated for circuit interruption (true hot-pluggable). Our touch-safe female housing design with integral latch release presents a new standard for high power connector safety and ergonomics. The housings are black UL94 V-0 material with latches in blue for clear identification.

The PowerMod®HP family offers excellent design flexibility with the availability of 10 different connector types.

- Single Pole Straight Male
- Single Pole Right Angle Female
- Single Pole Straight Female
- Single Pole Bus Bar Mount
- Dual Pole Straight Male
- Dual Pole Right Angle Female
- Dual Pole Straight Female
- Dual Pole Female Blind Mate Panel Mount
- Dual Pole Male Panel Mount
- Dual Pole Male Blind Mate Panel Mount

All PowerMod®HP connectors are available in American and metric wire sizes for further design freedom. APP offers pneumatic and hydraulic bench tools as well as hand tools for the products which are also compatible with many third-party crimp tooling.

Applications: Back-Up Power, Power Supplies, Cellular Infrastructure, Telecommunications, Industrial Power.

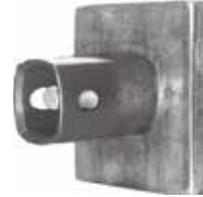
# Connector Family - Series B



Single Pole Right Angle Female



Single Pole Male & Female



Bus Bar Mount



Dual Pole Right Angle Female



Dual Pole Male & Female



Dual Pole Panel Mount Male



Dual Pole Blindmate Female



Dual Pole Blindmate Male