

PowerMod HP connectors, developed by Anderson Power Products, are the innovative New Generation of High Power Interconnections for the Electronics Industry.

The touch-safe, positive latching, PowerMod HP female connector design presents a new standard for high power connector safety. The ergonomic latch release is simple to operate and is colored blue for clear identification. Housings are a black UL94 V-0 flame retardant material.

PowerMod HP contacts are durable and rated for circuit interruption (true hot-pluggable). Series B contacts are available in 1/0 to 4/0 American wire gauge and 50mm² to 952mm² metric wire sizes for global design freedom. Our optional strain relief ensures superior contact reliability under adverse operating conditions.

The PowerMod HP connectors embody the highest quality in the industry and meet all applicable industry standards.

Features

- **Positive latching**

Integral latches with ergonomic release provide over 50 lbs retention

- **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



SPECIFICATIONS

Electrical		Mechanical	
Current Rating (Amperes)		Mating Force	33 lbs. (147N) avg
UL	400	Latch Retention Force	50 lbs. (222N) min
CSA (30°C Rise)	250	Contact Retention Force	150 lbs. (667N) min
UL / CSA Voltage Rating	600	Mating	
Wire Size (AWG)	1/0 to 4/0	a. No Load (mating cycles)	500
(mm ²)	50 to 95	b. Under Load (Hot Plug 250 mating cycles @ 120V)	150A
Dielectric Withstanding Voltage (AC)	2200	Materials	
Operating Temperature (°C)	-40° to 130°	Housing & Cable Clamp	PBT UL94 V-0
(°F)	-40° to 266°	Latch	PEI UL94 V-0
Ambient Temperature (°C)	-40° to 85°	Contacts	Copper alloy silver plate
(°F)	-40° to 185°	Hardware	Steel zinc chromate



ORDERING INFORMATION

PowerMod HP Part Number Plan - Dual Pole Male

Series	Series	Gender	Model	Wire Size
PMHP	B	M	11	P04
B *				
M - Male				
11 - Dual Pole Straight				
12 - Dual Pole Straight with Cable Clamp				
P04 - 1/0 AWG to 50mm ²				
P03 - 2/0 AWG to 70mm ²				
P02 - 95mm ²				
P01 - 4/0 AWG				
* Maximum wire size 4/0 AWG				

Components

Part Number	Description
PMHPBM11	Housing Kit, Male, Dual Pole, Straight
PMHPBM12	Housing Kit with Cable Clamp, Male, Dual Pole, Straight
PMHPBP04	Pin, Series B, Crimp for 1/0 AWG to 50mm ² wire
PMHPBP03	Pin, Series B, Crimp for 2/0 AWG to 70mm ² wire
PMHPBP02	Pin, Series B, Crimp for 95mm ² wire
PMHPBP01	Pin, Series B, Crimp for 4/0 AWG wire
PMHPBC02	Dual Pole Cable Clamp Kit

Dual Pole Male - Series B

ORDERING INFORMATION

Tooling

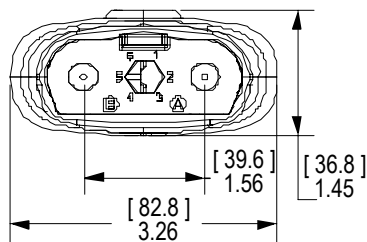
Pneumatic Production Tool				
Wire Size	Part Number	Die P/N	Locator P/N	Number of Crimps
4/0	1387G2	1303G3	1304G25	2
95mm ²	1387G2	1303G17	1304G25	2
2/0-70mm ²	1387G2	1303G16	1304G23	2
1/0-50mm ²	1387G2	1303G8	1304G23	2

Hand Tool				
Wire Size	Hydraulic	Battery	Die P/N	Number of Crimps
4/0	1387G3	1370G1	1322G14	2
95mm ²	1387G3	1370G1	1322G1	2
2/0-70mm ²	1387G3	1370G1	1322G3	2
1/0-50mm ²	1387G3	1370G1	1322G13	2

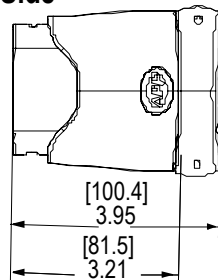
Hydraulic Tool		
Wire Size	Part Number	Number of Crimps
4/0	1368	2
95mm ²	1368	2
2/0-70mm ²	1368	2
1/0-50mm ²	1368	2

DIMENSIONS

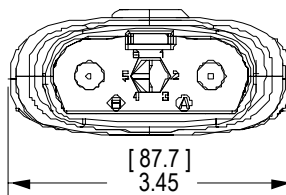
Front Without Strain Relief



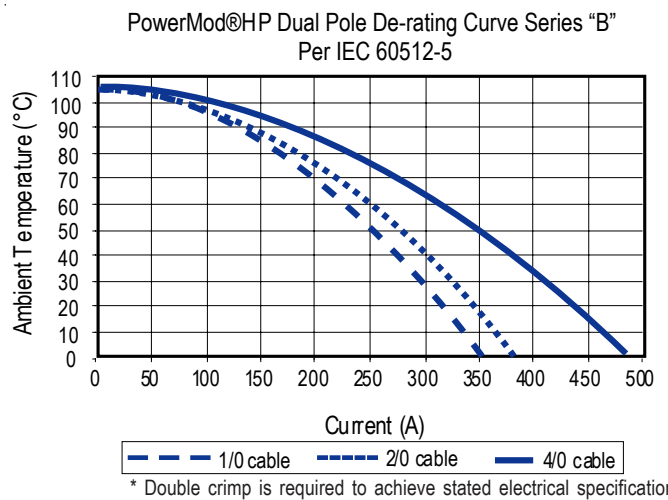
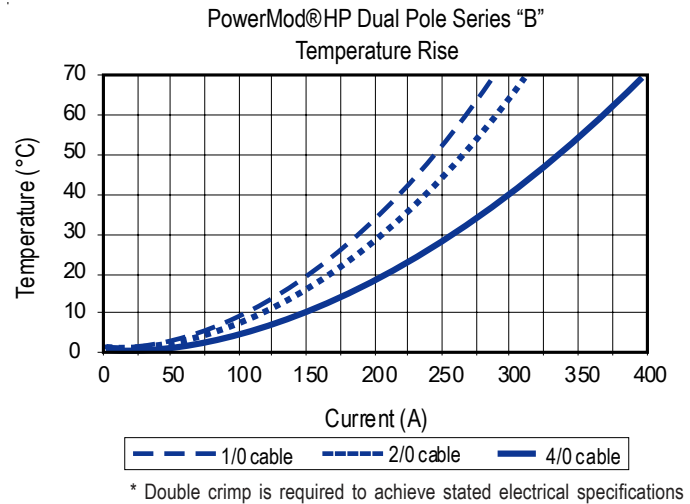
Side



Front With Strain Relief



TEMPERATURE CHART



MATING CONNECTORS

Dual Pole Straight Female



Dual Pole Right Angle Female



All Data Subject To Change Without Notice

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