

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 95mm² metric wire sizes for global design freedom. Our *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.

* Strain relief not optional on right angle

Features

- Right angle connector**
Offers short mated length for tight wiring applications
- Positive latching**
Integral Latches with ergonomic release provide over 50 lbs retention
- Touch safe female connectors**
Provides IP20 protection for safe, energized use outside the electronics cabinet
- High performance, hot pluggable female contacts**
Our patented design provides greater longevity for high power, elevated temperature applications
- Low connector mating forces**
Connectors are easily mated and un-mated



SPECIFICATIONS

Electrical		Mechanical	
Current Rating (Amperes)		Mating Force	33 lbs. (147N) avg
UL	390	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 Right Angle Female

Series	Series	Gender	Model	Wire Size
PMHP	B	F	13	S09

B *
F - Female
13 - Dual Pole R/A with Cable Clamp

S09 - 1/0 AWG to 50mm²
S08 - 2/0 AWG to 70mm²
S07 - 95mm²
S06 - 4/0 AWG

* Maximum wire size 4/0 AWG

Components

Part Number	Description
PMHPBF13	Housing Kit With Cable Clamp, Female, Dual Pole, R/A
PMHPBS09	Socket, Series B, Crimp for 1/0 AWG to 50mm ²
PMHPBS08	Socket, Series B, Crimp for 2/0 AWG to 70mm ²
PMHPBS07	Socket, Series B, Crimp for 95mm ² wire
PMHPBS06	Socket, Series B, Crimp for 4/0 AWG wire

Dual Pole Right Angle Female - Series B

ORDERING INFORMATION

Tooling

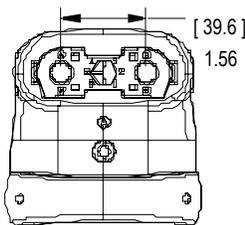
Pneumatic Production Tool				
Wire Size	Part Number	Die P/N	Locator P/N	Number of Crimps
4/0	1387G2	1303G3	1304G25	2
95mm ²	1387G2	1303G17	1304G25	2
2/0-70mm ²	1387G2	1303G16	1304G23	2
1/0-50mm ²	1387G2	1303G8	1304G23	2

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

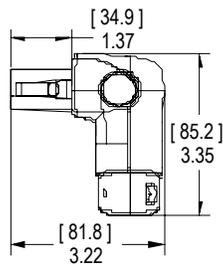
Hydraulic Tool		
Wire Size	Part Number	Number of Crimps
4/0	1368	2
95mm ²	1368	2
2/0-70mm ²	1368	2
1/0-50mm ²	1368	2

DIMENSIONS

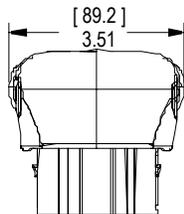
Front With Strain Relief



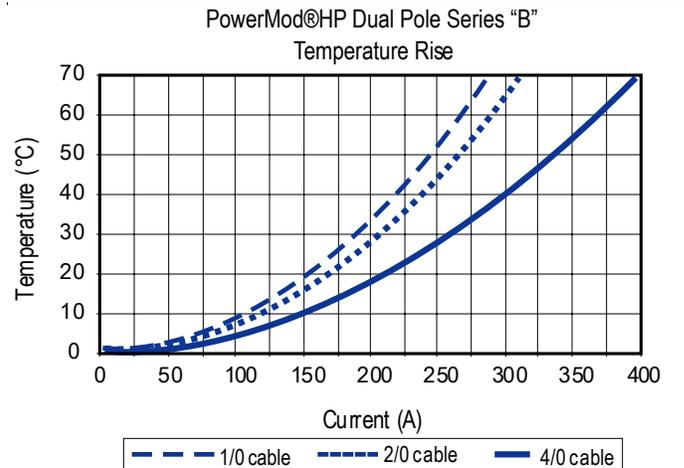
Side With Strain Relief



Top

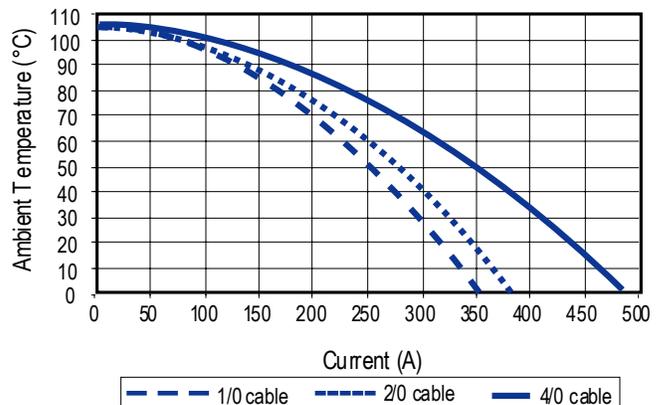


TEMPERATURE CHART



* Double crimp is required to achieve stated electrical specifications

PowerMod®HP Dual Pole De-rating Curve Series "B" Per IEC 60512-5



* Double crimp is required to achieve stated electrical specifications

MATING CONNECTORS

Dual Pole Straight Male



Dual Pole Panel Mount Male



All Data Subject To Change Without Notice 2017-0070 DS-BDPRAF REV 6

© 2017 Anderson Power Products, Inc. All rights reserved. APP®, Anderson Power Products®, PowerMod® and the APP Logo are registered trademarks of Anderson Power Products, Inc.

HEADQUARTERS: Anderson Power Products®, 13 Pratts Junction Road, Sterling, MA 01564-2305 USA T: 978-422-3600 F: 978-422-0128 • **EUROPE:** Anderson Power Products® Ltd., Unit 3, Europa Court, Europa Boulevard, Westbrook, Warrington, Cheshire, WA5 7TN United Kingdom T: +44 (0) 1925 428390 F: +44 (0) 1925 520203 • **ASIA / PACIFIC:** IDEAL Anderson Asia Pacific Ltd., Unit 922-928 Topsail Plaza, 11 On Sum Street, Shatin N.T., Hong Kong T: +(852) 2636 0836 F: +(852) 2635 9036 • **CHINA:** IDEAL Anderson Technologies (Shenzhen) Ltd., Block A8 Tantou Western Industrial Park, Songgang Baoan District, Shenzhen, P.R. China 518105 T: +(86) 755 2768 2118 F: +(86) 755 2768 2218 • **TAIWAN:** IDEAL Anderson Asia Pacific Ltd., Taiwan Branch, 4F-2, No.116, Dadun 20th St., Situn District, Taichung City 407, Taiwan (R.O.C.) T: +(886) 4 2310 6451 F: +(886) 4 2310 6460 • www.andersonpower.com