

An **IDEAL** Company

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 A contacts are available in #6 to #2 American wire gauge and 16mm² to 35mm² 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

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

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



PowerMod[®]**HP**

Dual Pole Female - Series A

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Electrical	
Current Rating (Amperes)	
UL	210
CSA (30°C Rise)	130
UL / CSA Voltage Rating	600
Wire Size (AWG)	#6 to #2
(mm²)	16 to 35
Dielectric Withstanding Voltage (AC)	2200
Operating Temperature (°C)	-40° to 130°
(°F)	-40° to 266°
Ambient Temperature (°C)	-40° to 85°
(°F)	-40° to 185°
CROHENI CROHENING CROVE STILL NO. E26226	

SPECIFICATIONS

Mechanical	
Mating Force	15 lbs. (66.72N) avg
Latch Retention Force	50 lbs. (222N) min
Contact Retention Force	100 lbs. (445N) min
Mating	
a. No Load (mating cycles)	500
b. Under Load (Hot Plug 250 mating cycles @ 120V)	80A
Materials	
Housing & Cable Clamp	PBT UL94 V-0
Latch	PEI UL94 V-0
Contacts	Copper alloy silver plate
Hardware	Steel zinc chromate

ORDERING INFORMATION

PowerMod HP Part Number Plan - Dual Pole Female

Series	Series	Gender	Model	Wire Size
PMHP	А	F	11	S05
A * F - Femal	e			
11 - Dual Pole Straight 12 - Dual Pole Straight with Cable Clamp				
S05 - 6 AWG S04 - 16mm² S03 - 4 AWG				
S02 - 25mm² S01 - 2 AWG & 35mm * Maximum wire size 2 AWG or 35mm²				

Components

Part	
Number	Description
PMHPAF11	Housing Kit, Female, Dual Pole, Straight
PMHPAF12	Housing Kit with Cable Clamp, Female, Dual Pole, Straight
PMHPAS05	Socket, Series A, Crimp for 6 AWG wire
PMHPAS04	Socket, Series A, Crimp for 16mm ² wire
PMHPAS03	Socket, Series A, Crimp for 4 AWG wire
PMHPAS02	Socket, Series A, Crimp for 25mm ² wire
PMHPAS01	Socket, Series A, Crimp for 2 AWG & 35mm ² wire
PMHPAC02	Dual Pole Cable Clamp Kit

www.andersonpower.com

Dual Pole Female - Series A

ORDERING INFORMATION

Tooling

Pneumatic Production Tool				
Wire Size	Part Number	Die P/N	Locator P/N	Number of Crimps
#2 AWG 35mm²	1387G2	1303G13	1304G19	2
25mm²	1387G2	1303G13	1304G19	2
#4 AWG	1387G2	1303G14	1304G19	2
16mm²	1387G2	1303G14	1304G19	2
#6 AWG	1387G2	1303G14	1304G19	2

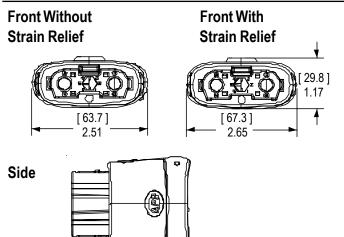
Hand Tool				
Wire Size	Hydraulic	Battery	Die P/N	Number of Crimps
#2 AWG 35mm²	1387G3	1370G1	1322G7	2
25mm²	1387G3	1370G1	1322G11	2
#4 AWG	1387G3	1370G1	1322G8	2
16 mm ²	1387G3	1370G1	1322G10	2
#16 AWG	1387G3	1370G1	1322G9	2

Accessories

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Number	Description
PMHPAFDC	Dust Cover

DIMENSIONS



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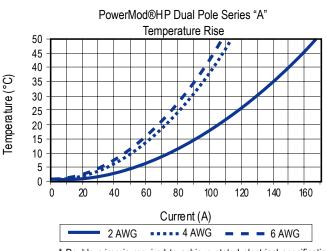
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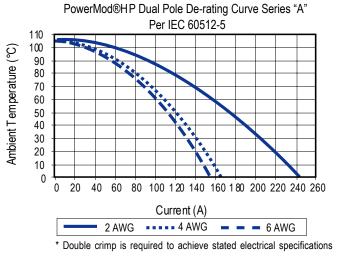
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TEMPERATURE CHART



* Double crimp is required to achieve stated electrical specifications



MATING CONNECTORS

Dual Pole Straight Male Dual Pole Panel Mount Male





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