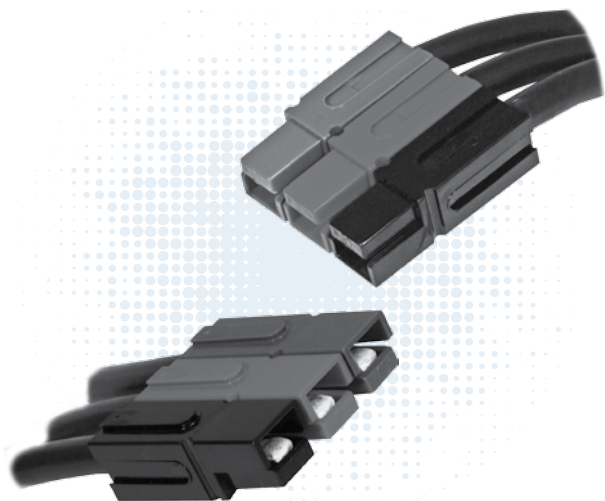


Powerpole® Connectors

- PP120: up to 240 Amps



PP120 series Powerpole® housings are designed to accommodate up to 1/0 (50 mm²) wires and handle high currents up to 240 amps. Reducing bushings allow PP120 to accept down to #8 (10 mm²) wires. Multiple colors of stackable housings combine with APP®'s low resistance flat wiping technology to offer powerful connection capability.

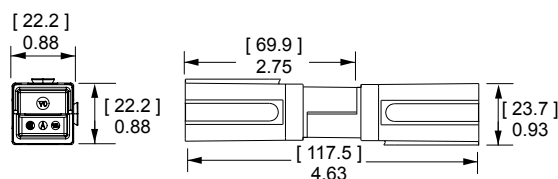
- **Large Wire Range Accommodates up to 1/0 (50mm²) Wire**
Reducing bushings allow as small as #8 (10 mm²) wire to be used
- **Low Resistance Silver Plated Copper Contacts**
Allows currents up to 240 amps
- **UL Rated for Hot Plugging up to 60 Amps**
Great for battery or other applications where the ability to interrupt circuits is required

PP120 ORDERING INFORMATION |

PP120 Housings

The second to largest Powerpole® housing can be used with wire contacts for up to 1/0 AWG [50mm²] or busbar contacts.

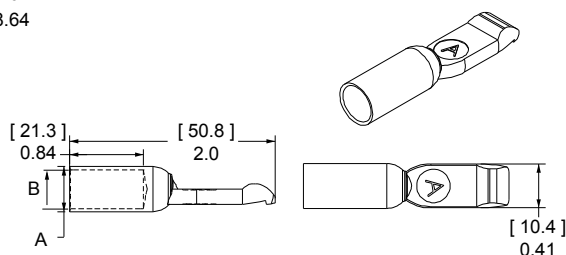
Description	Part Numbers		
Minimum Quantity ...	500	50	
Red	1321G3-BK	1321G3	
Green	1321G4-BK	1321G4	
Black	1321G1-BK	1321G1	
White	1321G2-BK	1321G2	
Blue	1321-BK	1321	
Gray	1321G8-BK	1321G8	



PP120 Silver Plated Wire Contacts

Silver plated contacts offer superior electrical performance and durability up to 10,000 mating cycles. New contacts for #1 to 1/0 AWG (35 to 50 mm²) offer extended capability in the same housings. See reducing bushings in accessory section for smaller wires.

AWG	mm ²	Mating Force	Loose Piece Part Numbers			- A -		- B -	
						inches	mm	inches	mm
Minimum Quantity			600	500	50				
1/0	53.5	Low	1323G2-BK	-	1323G2	0.52	13.21	0.44	11.18
1	42.4	Low	1323G1-BK	-	1323G1	0.47	11.94	0.39	9.91
2	33.6	High	-	1319-BK	1319	0.44	11.18	0.22	5.59
4	21.1	High	-	1319G4-BK	1319G4	0.44	11.18	0.30	7.62
6	13.3	High	-	1319G6-BK	1319G6	0.44	11.18	0.34	8.64



PP120 SPECIFICATIONS

Electrical

Current Rating Amperes¹	UL 1977	CSA
Singlepole UL 1977 (1/0 AWG)	240	155
2x2 Block UL 1977 (1/0 AWG)	200	110
Voltage Rating AC/DC		
UL 1977	600	
Dielectric Withstanding Voltage		
Volts AC	2,200	
Avg. Mated Contact Resistance Milliohms¹		
5 1/2" of #2 AWG wire	0.136	
UL Hot Plug Current Rating Amperes		
250 cycles at 120V DC	60A	

Materials

Housing	
Plastic Resin	Polycarbonate
Contact Retention Spring	Stainless Steel

Housing Flammability Rating

UL94	V-0
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Contact

Base	Copper Alloy
Plating	Silver

Contact Termination Methods

Crimp ³	Wire Contacts
Hand Solder	Wire Contacts

Mechanical

Wire Size Range	AWG	mm²
Wire Contacts with Bushings	10 to 1/0	5.3 to 53.5
Max. Wire Insulation Diameter	in.	mm
	0.600	15.240
Operating Temperature²	°F	°C
	-4° to 221°	-20° to 105°
Mating Cycles No Load by Plating	Silver (Ag)	
Wire Contacts	10,000	
Avg. Mating / Unmating Force	Lbf.	N
	8	36
Min. Contact / Spring Retention Force	Lbf.	N
	60	267

Protection

Touch Safety with Wire Contacts
IEC 60529 IP10

¹ Based on: 105°C rated or better cable of the largest size, Properly calibrated APP® recommended tooling, and a 25°C ambient temperature. UL rating not to exceed the maximum operating temperature. CSA rating below a 30°C temperature rise.

² Limited by the thermal properties of the connector plastic housing.

³ Use APP® recommended tooling only. Alternate tools may adversely affect the performance of our connectors along with UL and CSA recognition.



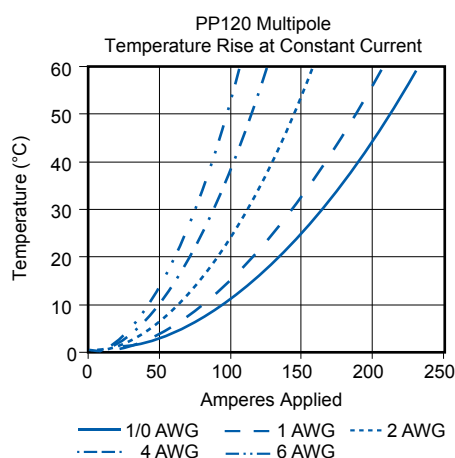
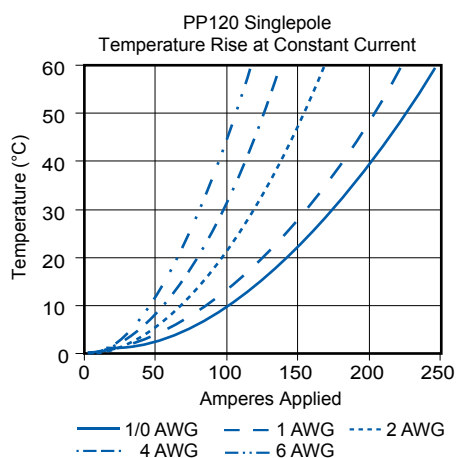
File No. E26226



CSA Certified
File No. LR25154

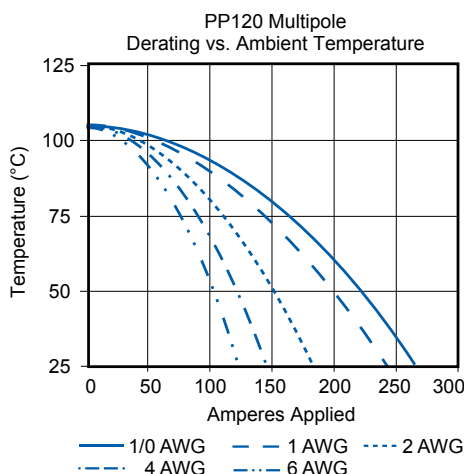
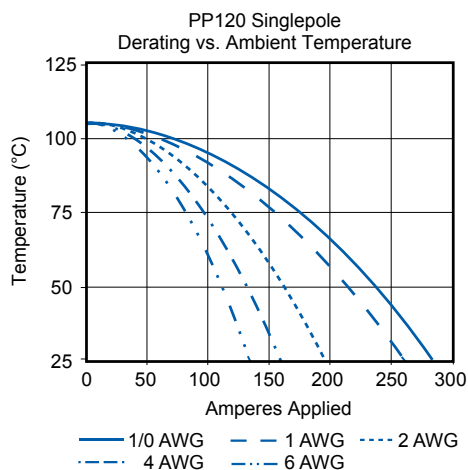


PP120 TEMPERATURE CHARTS



NOTE: Temperature rise charts are based on a 25°C ambient temperature.

[Derating charts on the following page.](#)

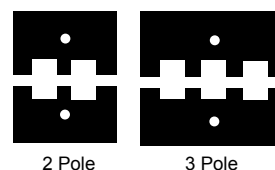
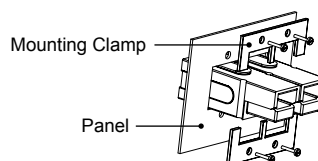


| Powerpole® PP120 Accessories |

Mounting Clamp

Mounting clamps can be used for fastening a block of Powerpole® 120 series housings to a panel. Connector blocks must be a complete square for the clamps to work properly. Fastening hardware not included.

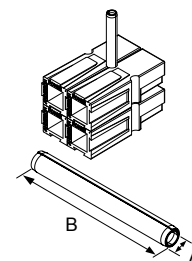
Description	- Part Numbers -
Minimum Quantity ... 20 sets of 2	
2 Pole	1464G1
3 Pole	1464G2



Retaining Pins

Retaining pins are used to keep stacked Powerpole® 120 series housings from separating. Retaining pins are inserted in the circular opening between two housings stacked side by side. Dimension B is +/- 0.015 in or 0.38 mm.

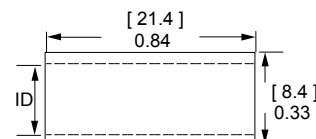
Description	----- Part Numbers -----	Dimensions			
		- A -		- B -	
		inches	mm	inches	mm
Minimum Quantity ... 1,000 100					
1 Block High	111812P7 110G19	0.196 / 0.207	4.98 / 5.26	0.560	14.220
2 Block High	111812P8 110G20	0.196 / 0.207	4.98 / 5.26	1.500	38.100



Reducing Bushings

Use with contact part number 1319-BK to allow a smaller wire to be used with the connector. Electrical capability is derated with smaller wire.

Contact Barrel Size	Wire Size	----- Part Numbers -----			Dimensions - ID -	
					inches	mm
Minimum Quantity ... 2,000 1,000 100						
#2 AWG [33.6 mm²]	#4 AWG [21.2 mm²]	5919-BK	-	5919	0.28	7.11
#2 AWG [33.6 mm²]	#6 AWG [16 mm²]	-	5920-BK	5920	0.23	5.84
#2 AWG [33.6 mm²]	#10 - 8 AWG [5.3 - 8.4 mm²]	5921-BK		5921	0.18	4.57



For environmentally sealed connector shells to hold Powerpole® 15-180 connectors, see APP®'s SPEC Pak® product series on our website, www.andersonpower.com

