Powerpole® & Multipole Power Connectors

10 amps up to 700 amps



APP

Anderson Power Products®

PP120 Powerpole® Connector

Powerpole® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance. Powerpoles are stackable and color-coded for easy customization into multipole blocks.

The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous AC or DC operation. Wire sizes range from #2 to #8 AWG (33.6 to 8.4 mm²).

FEATURES

• Flat wiping contact system
Minimal contact resistance at high current, wiping action cleans contact surface during connection/disconnection

• Colored modular housings
Provides visual identification of proper mating connector

• Molded-in dovetails
Secures individual connectors into "keyed" assemblies which prevents misconnection with similar configurations



PRODUCT SPECIFICATIONS

Connector Model	PP120
UL Current Rating (Amperes)*	120*
UL Voltage Ratings (Volts)**	600*
Contact Barrel Wire Size (AWG)	#2 to #8
(mm²)	33.6 to 8.4
Maximum Wire Insulation Diameter (inches)	0.600
(mm)	15.24
AVG Contact Resistance* (micro-ohms)	136
Insulation Withstanding Test Voltage (Volts AC/DC)	2200
Contact Retention Force (lbf)	100

Connector Model	PP120
Life	
a. No load (Contact/Disconnect Cycles)	To 10,000
b. Under Load (Hot Plug 250 cycles @ 120V)	60A
Avg. Connection/Disconnect (lbf)	8
Operating Temperature Range °C***	-20° to 105°
°F	-4° to 221°
Flammability Rating of Housing Material	UL94 V-0

RoHS COMPLIANT APP

** UL Rated for 65°C largest wire or cable size*
*** Both AC & DC Voltage*
**** Contact factory for higher temperature rated connectors*

ORDERING INFORMATION

Housing & 120 amp Contact

Part Number	Housing Color	Wire AWG	Wire sq. mm
1320	Blue	#2	33.6
1320G1	Black	#2	33.6
1320G2	White	#2	33.6
1320G3	Red	#2	33.6
1320G4	Green	#2	33.6

120 amp Contacts

Part Number	Description	Wire AWG	Wire sq. mm
1319	Individual	#2	33.6
1319G4	Individual	#4	21.2
1319G6	Individual	#6	13.3

Housings Only

Part Number	Description
1321	Blue housing
1321G1	Black housing
1321G2	White housing
1321G3	Red housing
1321G4	Green housing

Bushings

Part Number	Description	Wire AWG	Wire sq. mm
5919	Use with 1319	#2 to #4	33.6/21.2
5920	Use with 1319	#2 to #6	33.6/13.3
5921	Use with 1319	#2 to #8	33.6/8.4

Accessories

Part Number	Description
110G20	Retaining Pins, 2 high block of connectors
110G19	Retaining Pins, 1 high block of connectors

Tooling

Part Number	Description
1368	Hydraulic tool, #2 to #8
1387G1	Pneumatic tool, #2 to #8
1388G4	- die for #2 to #8
1389G4	- locator #2 to #8

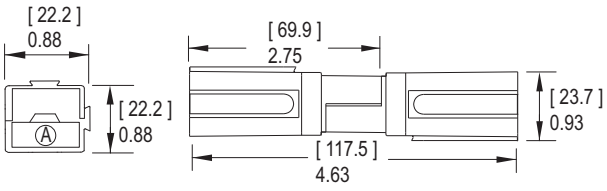
Note: For additional colors please contact customer service

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PP120 Powerpole® Connector

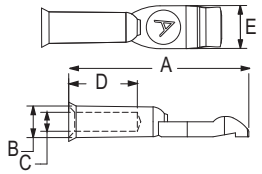
DIMENSIONS

Housing



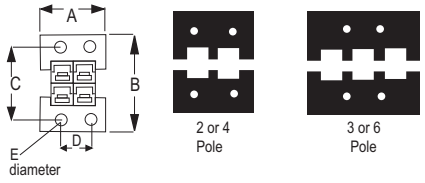
Contact

Part Number	-A- mm	-A- in.	-B- mm	-B- in.	-C- mm	-C- in.	-D- mm	-D- in.	-E- mm	-E- in.
1319	50.8	2.00	11.1	0.44	8.7	0.34	21.6	0.85	10.4	0.41
1319G4	50.8	2.00	11.1	0.44	7.5	0.30	21.6	0.85	10.4	0.41
1319G6	50.8	2.00	11.1	0.44	5.6	0.22	21.6	0.85	10.4	0.41



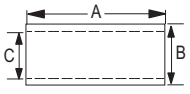
Mounting Clamps

Part Number	-A- mm	-A- in.	-B- mm	-B- in.	-C- mm	-C- in.	-D- mm	-D- in.	-E- mm	-E- in.	Number of Poles
1464G1	60.5	2.38	47.7	1.88	38.1	1.50	44.5	1.75	4.0	0.16	(2 Pole)
1464G1	60.5	2.38	70.0	2.75	60.3	2.37	44.5	1.75	4.0	0.16	(4 Pole)
1464G2	82.6	3.25	47.7	1.88	38.1	1.50	66.7	2.63	4.0	0.16	(3 Pole)
1464G2	82.6	3.25	70.0	2.75	60.3	2.37	66.7	2.63	4.0	0.16	(6 Pole)

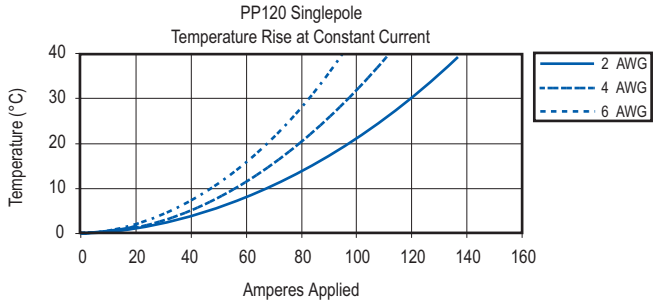


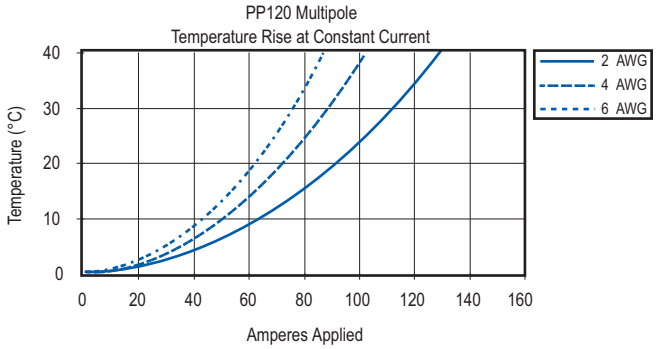
Bushings - (for use with 1319 contacts)

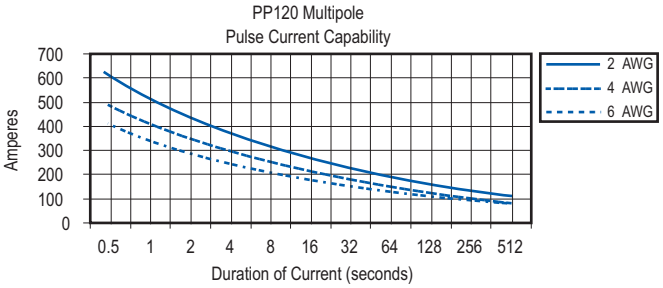
Part Number	Reduces From	-A- mm	-A- in.	-B- mm	-B- in.	-C- mm	-C- in.
5919	#2 to #4 AWG	21.4	.84	8.4	.33	7.2	.29
5920	#2 to #6 AWG	21.4	.84	8.4	.33	5.8	.23
5921	#2 to #8 AWG	21.4	.84	8.4	.33	4.6	.18



TEMPERATURE RISE CHARTS







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