

Powerpole® Modular Connectors

The Anderson Powerpole® Modular Concept

Invented by Anderson Power Products®, the innovative modular Powerpole® connectors provide cost-effective reliability, design flexibility and mistake-proof capability for your products' manufacture, installation and maintenance.

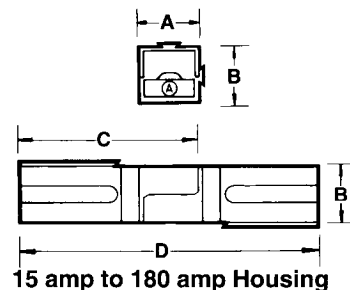
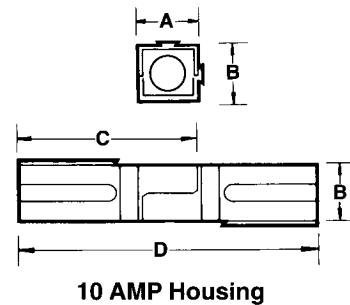
The identical, interchangeable, genderless interconnects ensure short assembly cycle times, a simple-bill-of-materials, minimized work-in-process and low inventory parts count. Insert crimped contact into housings and plug together for a clever, simple and low-cost solution to power interconnection. Low-detent contacts are also offered for low insertion/withdrawal force applications.

Powerpole® modular connectors are available in 10 to 180 amp maximum ratings for use through 600 Volts continuous, AC or DC operation. There are Powerpoles® for every application and wire size, #20 to 1/0 AWG. Contacts are available in reeled and loose piece designs to support all production needs from very high volumes to engineering prototype and low volume customized products. Powerpoles® are stackable and color-coded for easy customization into multi-pole blocks with or without mechanical keys and make first-break last contacts.

Powerpole® connectors are UL recognized and CSA Certified, VDE pending. Standard 94V2 rating and available for 94VO applications. For wire-to-board, wire-to-wire or board-to-board, Powerpole® modular connectors have been proven in decades of electronic and electrical system reliability and cost-effectiveness for OEM's worldwide.

All dimensions are for reference only and are not intended for specification purposes. Specific details will be furnished upon request.

Current Rating	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm.
10 amp	0.32	7.9	0.32	7.9	0.97	24.6	1.63	41.3
15 amp	0.32	7.9	0.32	7.9	0.97	24.6	1.63	41.3
30 amp	0.32	7.9	0.32	7.9	0.97	24.6	1.63	41.3
45 amp	0.32	7.9	0.32	7.9	0.97	24.6	1.63	41.3
75 amp	0.63	15.9	0.63	15.9	1.88	47.6	3.20	81.4
120 amp	0.88	22.2	0.88	22.2	2.75	69.9	4.63	117.5
180 amp	1.13	28.6	1.13	28.6	3.25	82.6	5.50	139.7



UL Recognized



CSA Certified



Pending

B

Powerpole® Modular Connectors

B

60 amp Reel Contacts - Tin plated

Catalog Number	Wire AWG	Diameter in.	Diameter mm	Cable Size sq. mm
265G5	6/8	.22/.16	5.5/4.1	13.3/8.4
265G6	10/12	.13/.10	3.2/2.8	5.3/3.3
265G7	*Low Detent 6/8	.22/.16	5.5/4.1	13.3/8.4
265G8	*Low Detent 10/12	.13/.10	3.2/2.8	5.3/3.3

Patent Pending Using 10/12 AWG wire reduces rating to 40 amps
 * To provide lower insertion force

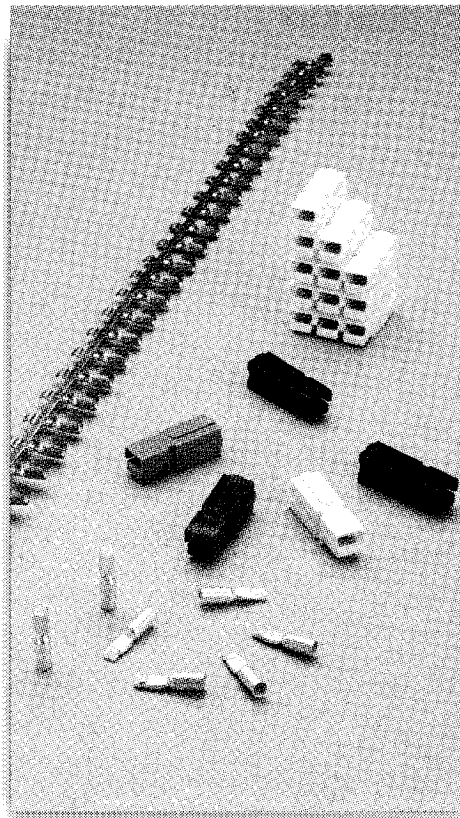
70 amp Reel Contacts - Silver Plated

Catalog Number	Wire AWG	Diameter in.	Diameter mm	Cable Size sq. mm
265G1	6/8	.22/.16	5.5/4.1	13.3/8.4
265G2	10/12	.13/.10	3.2/2.8	5.3/3.3
265G3	*Low Detent 6/8	.22/.16	5.5/4.1	13.3/8.4
265G4	*Low Detent 10/12	.13/.10	3.2/2.8	5.3/3.3

Patent Pending Using 10/12 AWG wire reduces rating to 50 amps
 * To provide lower insertion force

75 amp Series Connectors

Catalog Number	Description	Housing Color	Wire AWG	Diameter in.	Diameter mm	Cable Size sq. mm
1300	Housing with	Blue	#6	.22	5.5	13.3
1300G2	a spring and a	Green	#6	.22	5.5	13.3
1300G3	contact	Red	#6	.22	5.5	13.3
1300G4		Black	#6	.22	5.5	13.3
1300G5		White	#6	.22	5.5	13.3



75 amp Housings

Catalog Number	Description	Housing Color
5916	Housing with	Blue
5916G4	a spring	Black
5916G5		White
5916G6		Green
5916G7		Red

* Can be used with 60, 70 & 75 amp contacts

75 amp Housings - 94V0

Catalog Number	Description	Housing Color
PP75BLU	Housing with	Blue
PP75BLK	a spring	Black
PP75WHT		White
PP75GRN		Green
PP75RED		Red

Powerpole® Modular Connectors

B

75 amp Contacts

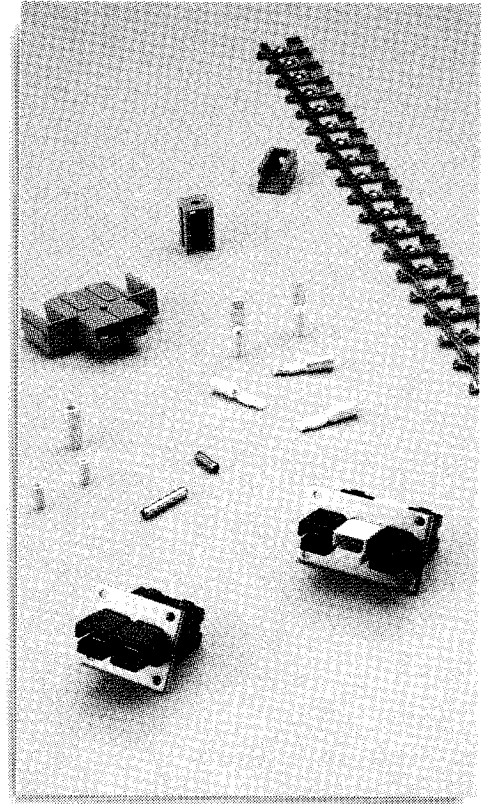
Catalog Number	Description	Wire AWG	Diameter		Cable Size
			in.	mm	sq. mm
5900	Individual	# 6	.22	5.5	13.3
1307	Individual-Low Detent	# 6	.22	5.5	13.3
5952	Individual	# 8	.16	4.1	8.4
5915	Individual	10/12	.13/.10	3.2/2.8	5.3/3.3

using 10/12 AWG wire reduces rating to 50 amps

Bushings

Assures proper fit for smaller cable sizes when crimping contacts

Catalog Number	Use With Contact No.	Accommodates AWG	Cable Size sq. mm
5910	5900 or 1307	10/12	5.3/3.3
5912		6/8	13.3/8.37
5913		6/14 & #16	13.3/2.1 1.3



Mounting Accessories

Catalog Number	For Use With	Description	Color
1399G7	75 amp Powerpole® connector	Genderless mounting wing	Blue
1463G1		2 & 4 pole mounting clamp (set)	Metal
1463G2		3 & 6 pole mounting clamp (set)	Metal

see dimensions on page 24

Retaining Pins

Lock rows or blocks of unmounted Powerpoles® together using these pins

Catalog Number	For Use With	Description	Color
110G18	75 amp 120 amp 180 amp Powerpole® connectors	2 high block of connectors	Metal
110G19	75 amp 120 amp 180 amp Powerpole® connectors	1 high block of connectors	Metal

Powerpole® Modular Connectors

B

120 amp Series Connectors

Catalog Number	Description	Housing Color	Wire AWG	Diameter		Cable Size
				in.	mm	sq. mm
1320	Housing with	Blue	# 2	.34	8.6	33.6
1320G1	spring and a	Black	# 2	.34	8.6	33.6
1320G2	contact	White	# 2	.34	8.6	33.6
1320G3		Red	# 2	.34	8.6	33.6
1320G4		Green	# 2	.34	8.6	33.6

120 amp Housings

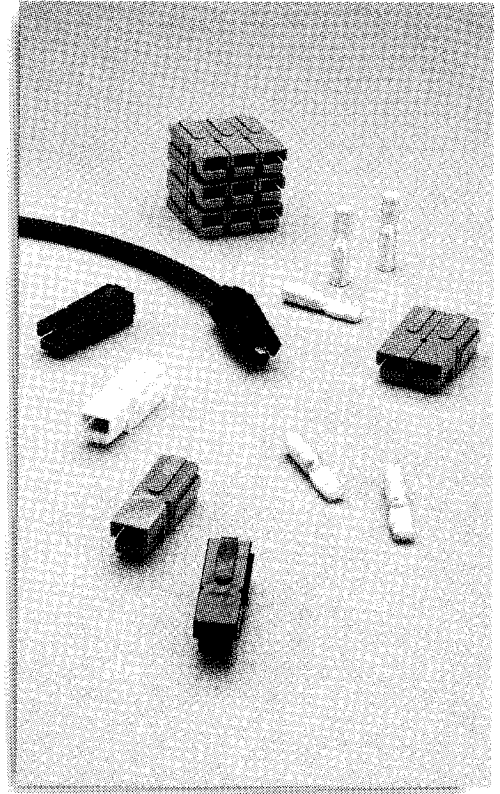
Catalog Number	Description	Housing Color
1321	Housing with	Blue
1321G1	a spring	Black
1320G2		White
1320G3		Red
1321G4		Green

120 amp Housings - 94VO

Catalog Number	Description	Housing Color
PP120BLU	Housing with	Blue
PP120BLK	a spring	Black
PP120WHT		White
PP120RED		Red
PP120GRN		Green

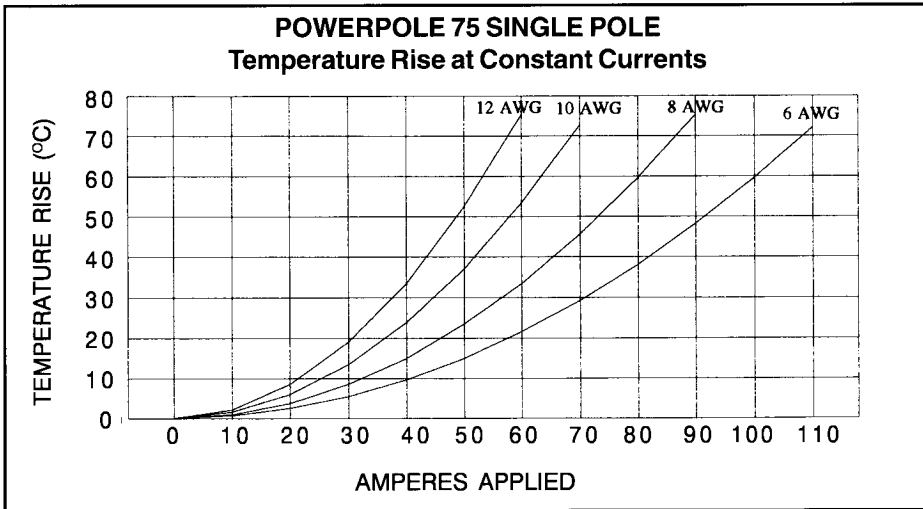
120 amp Contacts

Catalog Number	Description	Wire AWG	Diameter		Cable Size
			in.	mm	sq. mm
1319	Individual	#2	.34	8.6	33.6
1319G4		#4	.27	6.8	21.2
1319G6		#6	.22	5.5	13.3

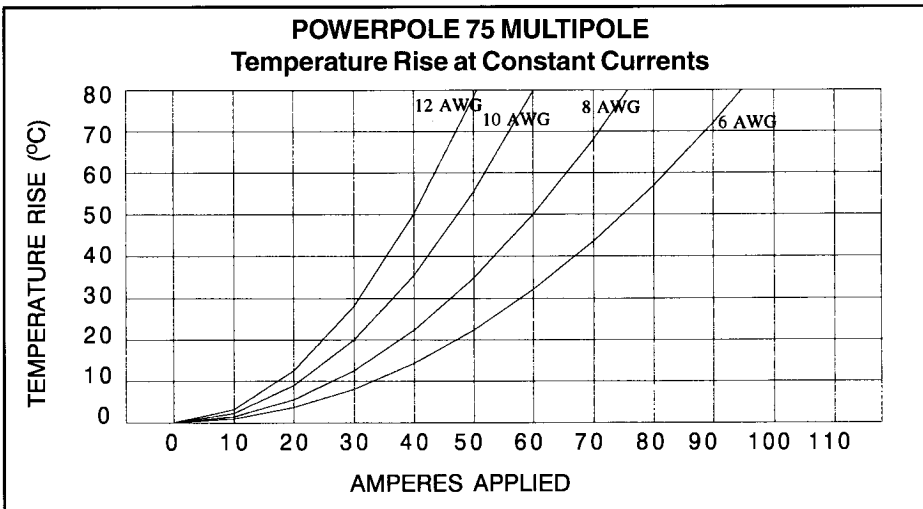


Powerpole® Modular Connectors

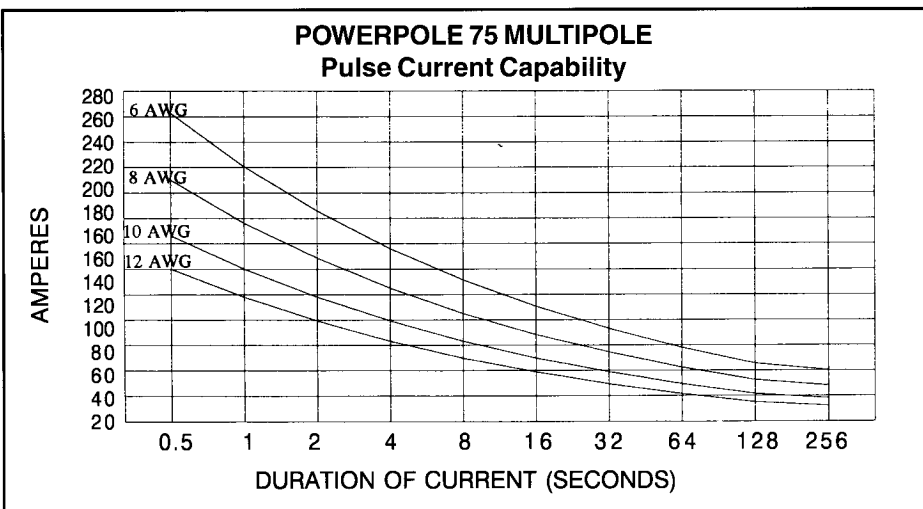
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(Figure 13)



(Figure 14)

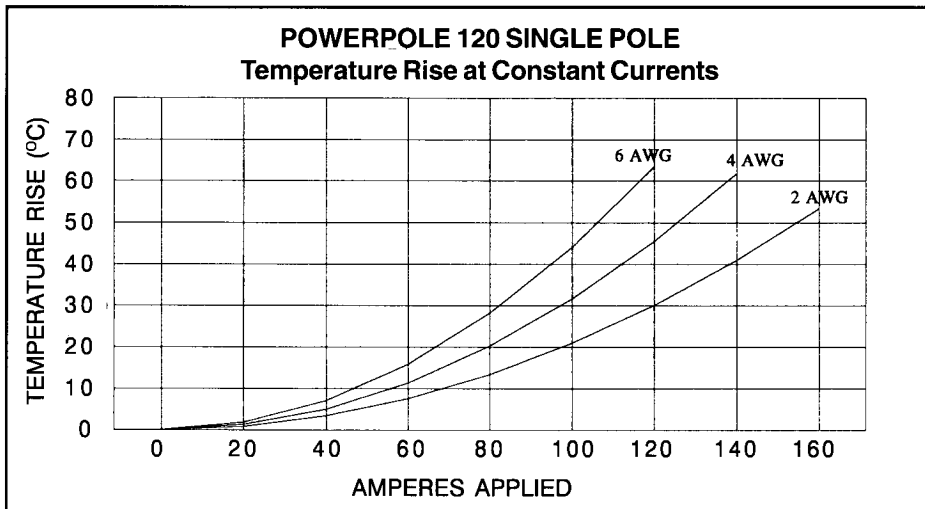


(Figure 15)

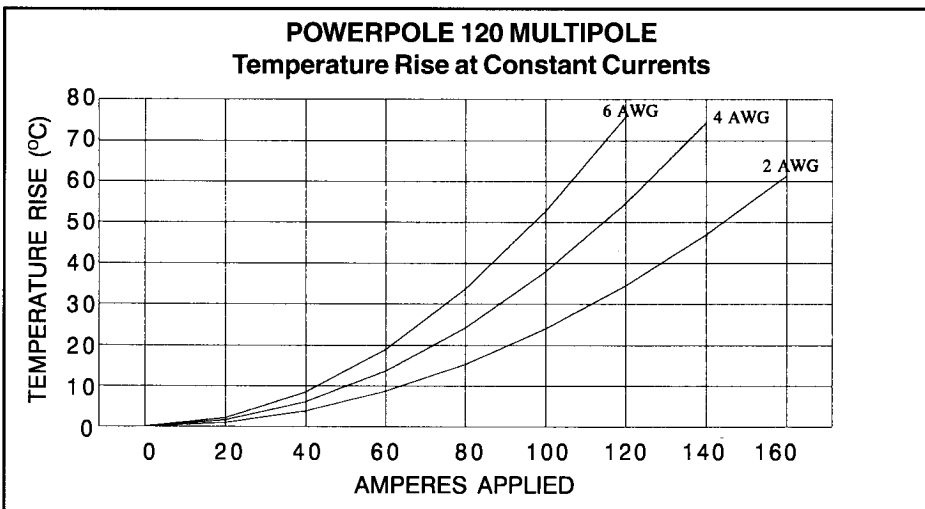
For equivalent millimeter wire sizes, reference the "Conversion Chart of American Wire Gauge to Metric System" in this section. Contact Anderson Power Products or authorized representative for graphs of wire sizes not shown.

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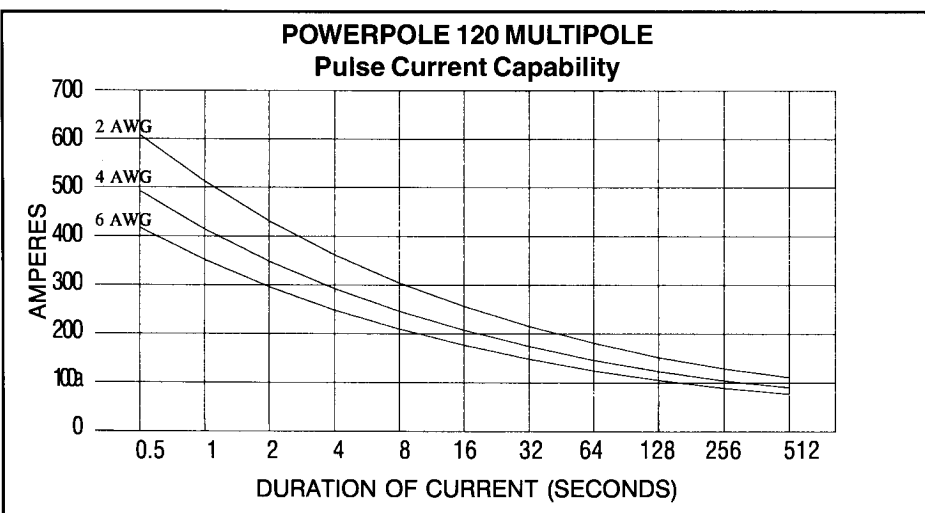
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(Figure 19)



(Figure 20)



(Figure 21)

For equivalent millimeter wire sizes, reference the "Conversion Chart of American Wire Gauge to Metric System" in this section. Contact Anderson Power Products or authorized representative for graphs of wire sizes not shown.