

Powerpole® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance.

The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #16 to #20 AWG (1.3 to .5 mm²). Contacts are available in reeled and loose piece designs to support all production needs from engineering prototype, low volume and high volume products.

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	PP15	Connector Model	PP15
UL Current Rating (Amperes)*	15*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	#16 to #20	b. Under Load (Hot Plug 250 cycles @ 120V)	15A
(mm ²)	1.3 to .5	Avg. Connection/Disconnect (lbf)	3 - low detent 5 - high detent
Maximum Wire Insulation Diameter (inches)	0.175	Operating Temperature Range °C***	-20° to 105°
(mm)	4.45	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	875	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	25		



* UL Rated for 65°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housing & 15 amp Contact

Part Number	Housing Color	Wire AWG	Wire sq. mm
1395	Red	16/20	1.3/.52
1395G1	Black	16/20	1.3/.52
1395G2	White	16/20	1.3/.52
1395G3	Green	16/20	1.3/.52
1395G4	Blue	16/20	1.3/.52
1395G5	Yellow	16/20	1.3/.52
1395G6	Orange	16/20	1.3/.52
1395G7	Gray	16/20	1.3/.52
1395G8	Brown	16/20	1.3/.52
1395G9	Pink	16/20	1.3/.52
1395G10	Purple	16/20	1.3/.52

15 amp Contacts*

Part Number	Description	Wire AWG	Wire sq. mm
1332	Individual - LD	16/20	1.3/.52
262G1	Reel - LD	16/20	1.3/.52
269G2	Reel - HD	16/20	1.3/.52
269G2-LPBK	Individual - HD	16/20	1.3/.52
200G2L	Superflex, reel - LD	16/20	1.3/.52
201G2H	Superflex, reel - LD	16/20	1.3/.52

Housings Only

Part Number	Description
1327	Red housing
1327G5	Green housing
1327G6	Black housing
1327G7	White housing
1327G8	Blue housing
1327G16	Yellow housing

housings continued

Part Number	Description
1327G17	Orange housing
1327G18	Gray housing
1327G21	Brown housing
1327G22	Pink housing
1327G23	Purple housing

Accessories

Part Number	Description
1441G1	Female splash boot
1442G1	Male splash boot
110G21	Blok lok, 2 pole
110G12	Blok lok, 4 pole
1399G9	Red mounting wing
1399G8	Blue mounting wing
110G68	PP15/45 retention clip

* LD - low detent or HD - high detent

Note: For additional colors please contact customer service

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EUROPE: Rathealy Road, Fermoy Co. Cork, Ireland T:353-(0)25-32277 F:353-(0)25-32296

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 W. Ind. Par, Songgang Baoan District, Shenzhen, P.R. China 51810 T: 86-755-2768-2118 F: 86-755-2768-2218

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ORDERING INFORMATION

accessories continued

Part Number	Description
1399G1	Red short spacer with end hole
1399G2	Red long spacer
1399G6	Red short spacer without hole
1462G1	2 & 4 pole mounting clamp set
1462G2	3 & 6 pole mounting clamp set
1462G3	4 & 8 pole mounting clamp set
110G16	Retaining pins, 1 high block of connectors
110G17	Retaining pins, 2 high block of connectors

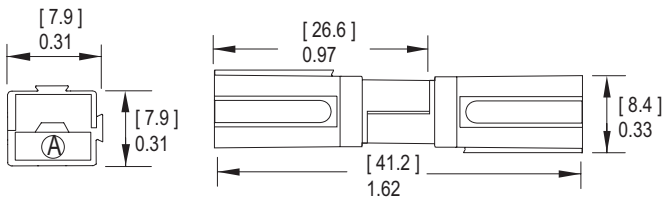
Tooling

Part Number	Description
111038G2	Contact insertion/extraction tool
1309G2	Hand tool #12 to #20
1309G5	Hand tool for p/n 200G2L & 201G2H
260G1	Applicator only (110V & 220V)
280G1	Applicator and press (110V, 60Hz)
260G14*	Applicator only (110V & 220V)
260G15*	Applicator only (110V & 220V)
260G18**	Applicator only (110V & 220V)
250G1	Press only (110V, 60Hz)
280G4	Applicator and press (220V, 50Hz)
250G2	Press only (220V, 50Hz)

* Denotes mini-style applicator for use with existing "K" or "T" press
 ** Denotes mini-style applicator for use with existing "K" or "T" and "G" press

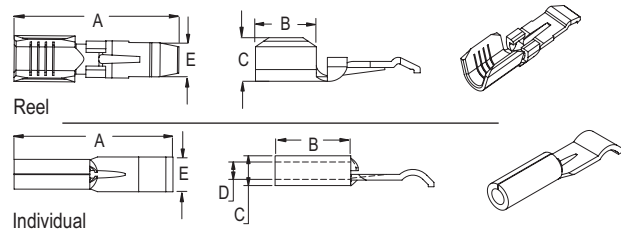
DIMENSIONS

Housing

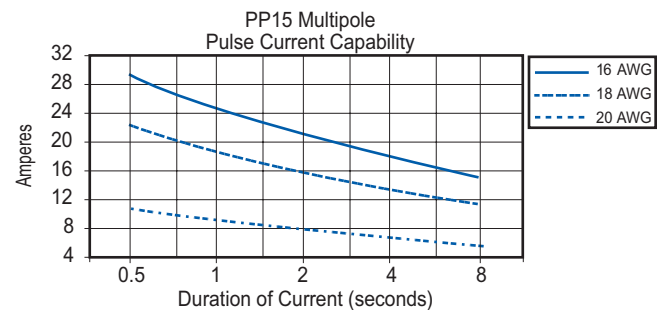
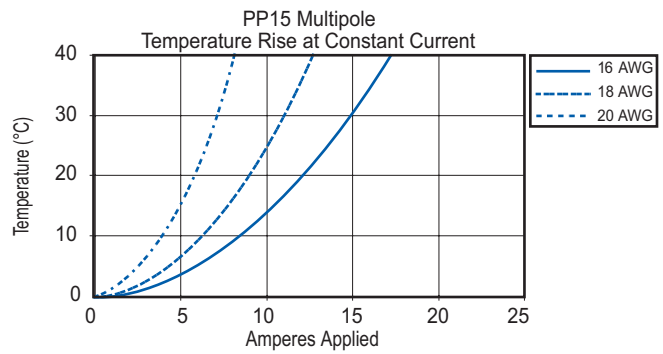
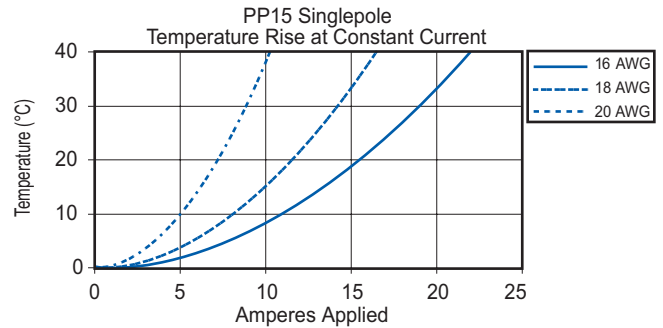


Contacts

Part Number	-A-		-B-		-C-		-D-		-E-	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
1332	16.3	0.64	7.8	0.31	3.1	0.12	1.8	0.07	3.6	0.14
262G1	17.2	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14
269G2	17.2	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14
269G2-LPBK	17.2	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14
200G2L	17.3	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14
201G2H	17.3	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14

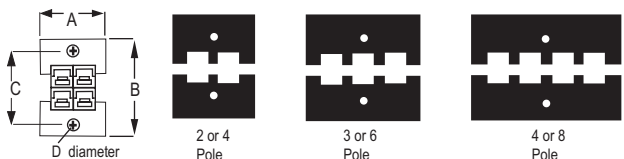


TEMPERATURE RISE CHARTS



Mounting Clamps

Part Number	-A-		-B-		-C-		-D-		Number of Poles
	mm	in.	mm	in.	mm	in.	mm	in.	
1462G1	23.9	0.94	26.9	1.06	17.3	0.68	4.0	0.16	(2 Pole)
1462G1	23.9	0.94	35.0	1.38	25.4	1.00	4.0	0.16	(4 Pole)
1462G2	31.7	1.25	26.9	1.06	17.3	0.68	4.0	0.16	(3 Pole)
1462G2	31.7	1.25	35.0	1.38	25.4	1.00	4.0	0.16	(6 Pole)
1462G3	39.6	1.56	26.9	1.06	17.3	0.68	4.0	0.16	(4 Pole)
1462G3	39.6	1.56	35.0	1.38	25.4	1.00	4.0	0.16	(8 Pole)

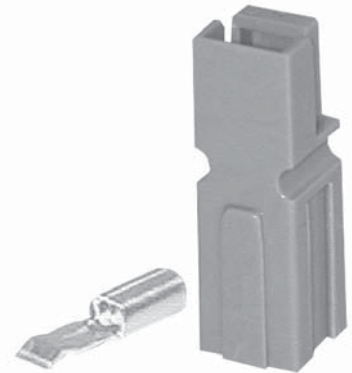


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The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #12 to #16 AWG (3.3 to 1.3 mm²). Contacts are available in reeled and loose piece designs to support all production needs from engineering prototype, low volume and high volumes products.

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	PP30	Connector Model	PP30
UL Current Rating (Amperes)*	30*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	#12 to #16	b. Under Load (Hot Plug 250 cycles @ 120V)	30A
(mm ²)	3.3 to 1.3	Avg. Connection/Disconnect (lbf)	3 - low detent 5 - high detent
Maximum Wire Insulation Diameter (inches)	0.175	Operating Temperature Range °C***	-20° to 105°
(mm)	4.45	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	600	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	25		



* UL Rated for 65°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housing & 30 amp Contact

Part Number	Housing Color	Wire AWG	Wire sq. mm
1330	Red	12/16	3.3/1.3
1330G2	Green	12/16	3.3/1.3
1330G4	Black	12/16	3.3/1.3
1330G5	White	12/16	3.3/1.3
1330G11	Yellow	12/16	3.3/1.3
1330G12	Blue	12/16	3.3/1.3
1330G13	Orange	12/16	3.3/1.3
1330G14	Gray	12/16	3.3/1.3
1330G15	Brown	12/16	3.3/1.3
1330G16	Pink	12/16	3.3/1.3
1330G17	Purple	12/16	3.3/1.3

30 amp Contacts*

Part Number	Description	Wire AWG	Wire sq. mm
1331	Individual - LD	12/16	3.3/1.3
261G1	Reel - LD	12/16	3.3/1.3
269G1-LPBK	Individual - LD	12/16	3.3/1.3
269G1	Reel - HD	12/16	3.3/1.3
200G2L	Superflex, reel - LD	16/20	1.3/.52
201G2H	Superflex, reel - HD	16/20	1.3/.52

Housings Only

Part Number	Description
1327	Red housing
1327G5	Green housing
1327G6	Black housing
1327G7	White housing
1327G8	Blue housing

housings continued

Part Number	Description
1327G16	Yellow housing
1327G17	Orange housing
1327G18	Gray housing
1327G21	Brown housing
1327G22	Pink housing
1327G23	Purple housing

Accessories

Part Number	Description
1441G1	Female splash boot
1442G1	Male splash boot
110G21	Blok lok, 2 pole
110G12	Blok lok, 4 pole
1399G9	Red mounting wing
1399G8	Blue mounting wing
110G68	PP15/45 retention clip

Note: For additional colors please contact customer service

* LD - low detent or HD - high detent

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ORDERING INFORMATION

accessories continued

Part Number	Description
1399G1*	Red short spacer with end hole
1399G2*	Red long spacer
1399G6*	Red short spacer without hole
1462G1	2 & 4 pole mounting clamp set
1462G2	3 & 6 pole mounting clamp set
1462G3	4 & 8 pole mounting clamp set
110G16	Retaining pins, 1 high block of connectors
110G17	Retaining pins, 2 high block of connectors

* Contact customer service for additional colors

Tooling

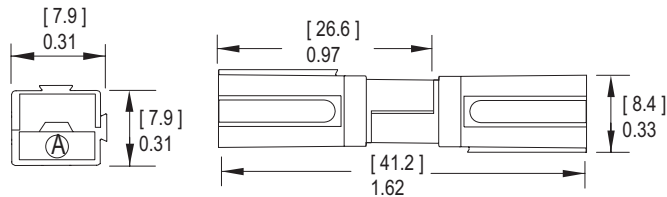
Part Number	Description
111038G2	Contact insertion/extraction tool
1309G2	Hand tool #12 to #20
1309G5	Hand tool for p/n 200G2L & 201G2H
260G1	Applicator only (110V & 220V)
260G14*	Applicator only (110V & 220V)
260G15*	Applicator only (110V & 220V)
260G18**	Applicator only (110V & 220V)
280G1	Applicator and press (110V, 60Hz)
250G1	Press only (110V, 60Hz)
280G4	Applicator and press (220V, 50Hz)
250G2	Press only (220V, 50Hz)

* Denotes mini-style applicator for use with existing "K" or "T" press

** Denotes mini-style applicator for use with existing "K" or "T" and "G" press

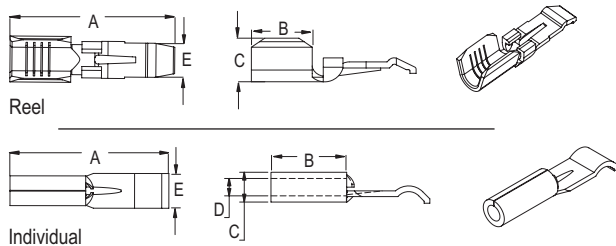
DIMENSIONS

Housing

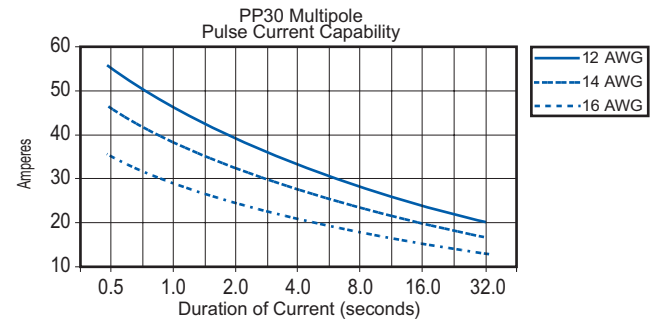
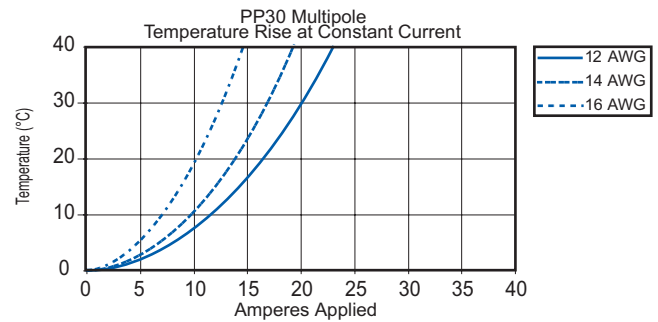
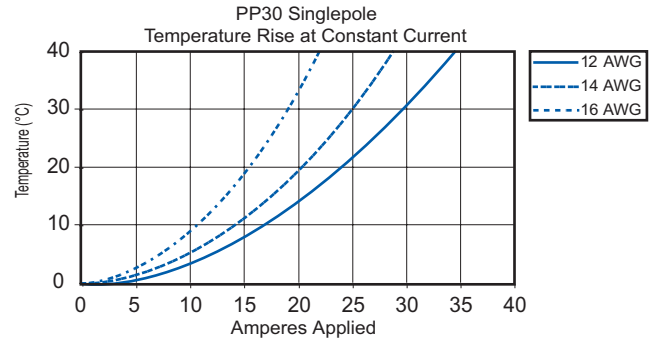


Contacts

Part Number	-A-		-B-		-C-		-D-		-E-	
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
1331	16.3	0.64	7.7	0.31	3.7	0.15	2.6	0.10	3.7	0.15
261G1	17.3	0.68	6.4	0.25	4.6	0.18	N/A		3.6	0.14
269G1-LPBK	17.2	0.68	6.4	0.25	4.5	0.18	N/A		3.6	0.14
269G1	17.2	0.68	6.4	0.25	4.5	0.18	N/A		3.6	0.14
200G2L	17.3	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14
201G2H	17.2	0.68	6.4	0.25	4.1	0.16	N/A		3.6	0.14

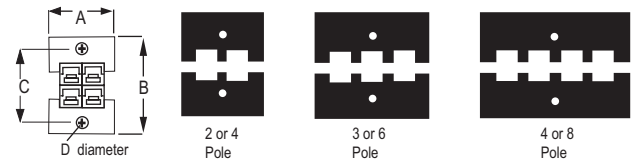


TEMPERATURE RISE CHARTS



Mounting Clamps

Part Number	-A-		-B-		-C-		-D-		Number of Poles
	mm	in.	mm	in.	mm	in.	mm	in.	
1462G1	23.9	0.94	26.9	1.06	17.3	0.68	4.0	0.16	(2 Pole)
1462G1	23.9	0.94	35.0	1.38	25.4	1.00	4.0	0.16	(4 Pole)
1462G2	31.7	1.25	26.9	1.06	17.3	0.68	4.0	0.16	(3 Pole)
1462G2	31.7	1.25	35.0	1.38	25.4	1.00	4.0	0.16	(6 Pole)
1462G3	39.6	1.56	26.9	1.06	17.3	0.68	4.0	0.16	(4 Pole)
1462G3	39.6	1.56	35.0	1.38	25.4	1.00	4.0	0.16	(8 Pole)



Powerpole® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance.

The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #10 to #14 AWG (5.3 to 2.1 mm²). Contacts are available in reeled and loose piece designs to support all production needs from engineering prototype, low volume and high volumes products.

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	PP45	Connector Model	PP45
UL Current Rating (Amperes)*	45*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	#10 to #14	b. Under Load (Hot Plug 250 cycles @ 120V)	30A
(mm ²)	5.3 to 2.1	Avg. Connection/Disconnect (lbf)	3 - low detent 5 - high detent
Maximum Wire Insulation Diameter (inches)	0.175	Operating Temperature Range °C***	-20° to 105°
(mm)	4.45	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	525	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	25		



* UL Rated for 65°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housing & 45 amp Contact

Part Number	Housing Color	Wire	
		AWG	sq. mm
1345	Red	10/14	5.3/2.1
1345G5	Green	10/14	5.3/2.1
1345G6	Black	10/14	5.3/2.1
1345G7	White	10/14	5.3/2.1
1345G8	Blue	10/14	5.3/2.1
1345G16	Yellow	10/14	5.3/2.1
1345G17	Orange	10/14	5.3/2.1
1345G18	Gray	10/14	5.3/2.1
1345G21	Brown	10/14	5.3/2.1
1345G22	Pink	10/14	5.3/2.1
1345G23	Purple	10/14	5.3/2.1

45 amp Contacts*

Part Number	Description	Wire	
		AWG	sq. mm
261G2	Reel - LD	10/14	5.3/2.1
269G3	Reel - HD	10/14	5.3/2.1

contacts continued

Part Number	Description	Wire	
		AWG	sq. mm
261G2-LPBK	Individual - LD	10/14	5.3/2.1
200G1L	Superflex, reel - LD	10/14	5.3/2.1
201G1H	Superflex, reel - HD	10/14	5.3/2.1

Housings Only

Part Number	Description
1327	Red housing
1327G5	Green housing
1327G6	Black housing
1327G7	White housing
1327G8	Blue housing
1327G16	Yellow housing
1327G17	Orange housing
1327G18	Gray housing
1327G21	Brown housing

housings continued

Part Number	Description
1327G22	Pink housing
1327G23	Purple housing

Accessories

Part Number	Description
1441G1	Female splash boot
1442G1	Male splash boot
110G21	Blok lok, 2 pole
110G12	Blok lok, 4 pole
1399G9	Red mounting wing
1399G8	Blue mounting wing
1399G1	Red short spacer with end hole
1399G2	Red long spacer
1399G6	Red short spacer without hole
1462G1	2 & 4 pole mounting clamp set
110G68	PP15/45 retention clip

* LD - low detent or HD - high detent

Note: For additional colors please contact customer service

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ORDERING INFORMATION

accessories continued

Part Number	Description
1462G2	3 & 6 pole mounting clamp set
1462G3	4 & 8 pole mounting clamp set
110G16	Retaining pins, 1 high block of connectors
110G17	Retaining pins, 2 high block of connectors

Tooling

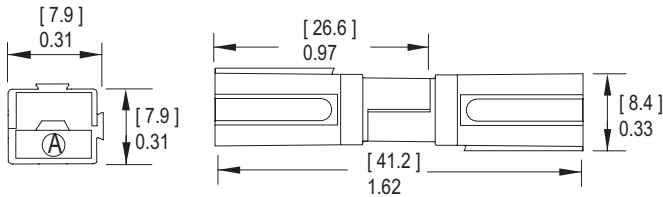
Part Number	Description
111038G2	Contact insertion/extraction tool
1309G3	Hand tool for p/n 261G2-LPBK
1309G5	Hand tool for p/n 200G2L & 201G2H
260G1	Applicator only (110V & 220V)
260G14*	Applicator only (110V & 220V)
260G15*	Applicator only (110V & 220V)
260G18**	Applicator only (110V & 220V)
280G1	Applicator and press (110V, 60Hz)
250G1	Press only (110V, 60Hz)
280G4	Applicator and press (220V, 50Hz)
250G2	Press only (220V, 50Hz)

* Denotes mini-style applicator for use with existing "K" or "T" press

** Denotes mini-style applicator for use with existing "K" or "T" and "G" press

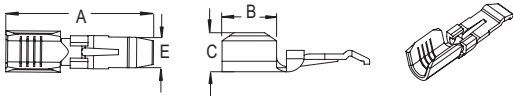
DIMENSIONS

Housing



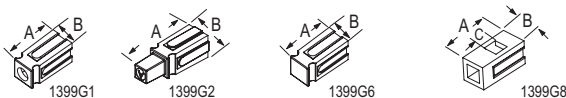
Contacts

Part Number	-A-		-B-		-C-		-E-	
	mm	in.	mm	in.	mm	in.	mm	in.
200G1L	17.3	0.68	6.4	0.25	6.1	0.24	3.6	0.14
201G1H	17.2	0.68	6.4	0.25	6.1	0.24	3.6	0.14
261G2	17.3	0.68	6.4	0.25	5.1	0.20	3.6	0.14
261G2-LPBK	17.3	0.68	6.4	0.25	5.1	0.20	3.6	0.14
269G3	17.2	0.68	6.4	0.25	5.3	0.20	3.6	0.14

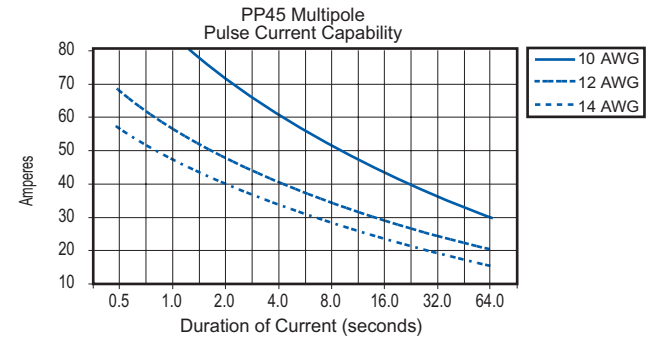
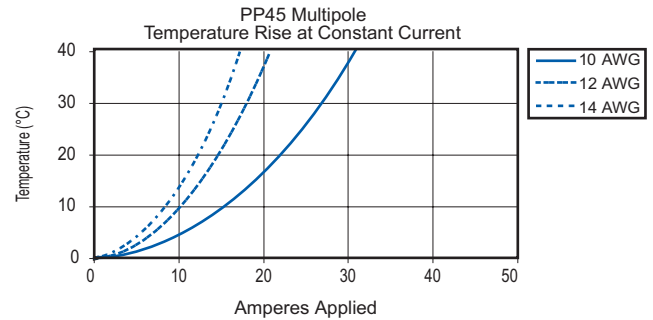
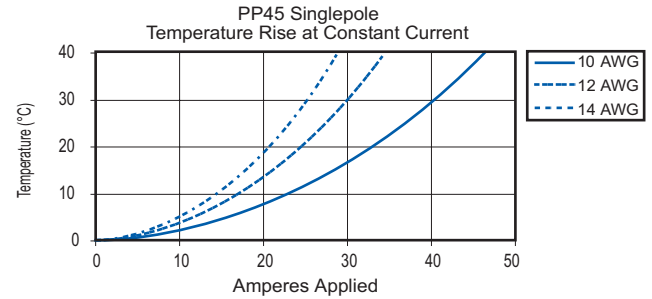


Spacers & Mounting Wings

Part Number	-A-		-B-		-C-	
	mm	in.	mm	in.	mm	in.
1399G1	16.6	.655	7.9	.312	N/A	
1399G2	24.6	.968	7.9	.312	N/A	
1399G6	16.6	.655	7.9	.312	N/A	
1399G8	16.6	.655	7.9	.312	4.6	.180
1399G9	16.6	.655	7.9	.312	4.6	.180

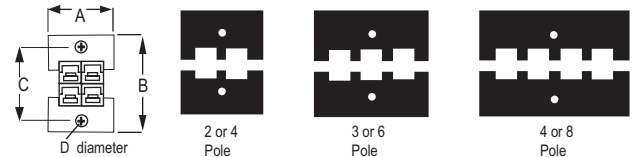


TEMPERATURE RISE CHARTS



Mounting Clamps

Part Number	-A-		-B-		-C-		-D-		Number of Poles
	mm	in.	mm	in.	mm	in.	mm	in.	
1462G1	23.9	0.94	26.9	1.06	17.3	0.68	4.0	0.16	(2 Pole)
1462G1	23.9	0.94	35.0	1.38	25.4	1.00	4.0	0.16	(4 Pole)
1462G2	31.7	1.25	26.9	1.06	17.3	0.68	4.0	0.16	(3 Pole)
1462G2	31.7	1.25	35.0	1.38	25.4	1.00	4.0	0.16	(6 Pole)
1462G3	39.6	1.56	26.9	1.06	17.3	0.68	4.0	0.16	(4 Pole)
1462G3	39.6	1.56	35.0	1.38	25.4	1.00	4.0	0.16	(8 Pole)



All Data Subject To Change Without Notice

DS-PP45 REV03

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Powerpole® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance.

The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #6 to #16 AWG (13.3 to 1.3 mm²). Contacts are available in reeled and loose piece designs to support all production needs from engineering prototype, low volume and high volumes products. Low-detent contacts are also offered for low insertion/withdrawal force applications.

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	PP75	Connector Model	PP75
UL Current Rating (Amperes)*	75*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	#6 to #16	b. Under Load (Hot Plug 250 cycles @ 120V)	50A
(mm)	13.3 to 1.3	Avg. Connection/Disconnect (lbf)	5 - low detent 7 - high detent
Maximum Wire Insulation Diameter (inches)	0.437	Operating Temperature Range °C***	-20° to 105°
(mm)	11.10	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	200	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	50		



* UL Rated for 75°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housing & 75 amp Contact

Part Number	Housing Color	Wire AWG	sq. mm
1300	Blue	#6	13.3
1300G2	Green	#6	13.3
1300G3	Red	#6	13.3
1300G4	Black	#6	13.3
1300G5	White	#6	13.3

75 amp Contacts***

Part Number	Description	Wire AWG	sq. mm
1307	Individual - LD	#6	13.3
5900	Individual - HD	#6	13.3
5914	Individual - HD	#10	5.3
5915	Individual - HD	#10/12	5.3/3.3
5952	Individual - HD	#8	8.4
5953	Individual - LD	#10/12	5.3/3.3
904G1	Set of (2) 5915 Contacts	#10/12	5.3/3.3
903G1	Set of (2) 5900 Contacts	#6	13.3
265G1	Reel, silver - HD	#6/8	13.3/8.4

contacts continued

Part Number	Description	Wire AWG	sq. mm
265G2*	Reel, silver - HD	#10/12	5.3/3.3
265G3	Reel, silver - LD	#6/8	13.3/8.4
265G4*	Reel, silver - LD	#10/12	5.3/3.3
265G5	Reel, tin - HD	#6/8	13.3/8.4
265G6**	Reel, tin - HD	#10/12	5.3/3.3
265G7	Reel, tin - LD	#6/8	13.3/8.4
265G8**	Reel, tin - LD	#10/12	5.3/3.3
75BBS	75 amp Bus bar contact	N/A	N/A

Housings Only

Part Number	Description
5916	Blue housing
5916G4	Black housing
5916G5	White housing
5916G6	Green housing
5916G7	Red housing

Accessories

Part Number	Description
110G18	Retaining Pins, 2 high block of connectors
110G19	Retaining Pins, 1 high block of connectors
1399G20	Mounting wing blue, round hole
1399G7	Mounting wing blue, oval hole
1463G1	2 & 4 pole mounting clamp set
1463G2	3 & 6 pole mounting clamp set
110G57	Lock nut for use with bus bar contact

Bushings

Part Number	Wire AWG	sq. mm
Use with 5900 or 1307		
5910	#6 to #10/12	13.3 to 5.3/3.3
5912	#6 to #8	13.3 to 8.4
5913	#6 to #14/16	13.3 to 2.1/1.3

* Using 10/12 AWG wire reduces rating to 50 amps

** Using 10/12 AWG wire reduces rating to 40 amps

*** LD - low detent or HD - high detent

Note: For additional colors please contact customer service

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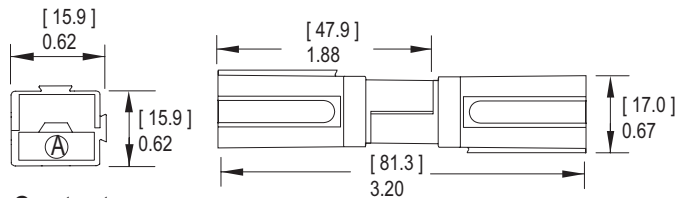
ORDERING INFORMATION

Tooling

Part Number	Description
1309G4	Hand tool, #16 to #6
1387G1	Pneumatic tool, #16 to #6
1388G6	- die for #16 to #6 AWG
1388G7	- die for #10 to #12 AWG (5914, 5915 & 5953 contacts)
1389G6	- locator for #16 to #6 AWG
1389G7	- locator for #10 to #12 AWG (5914, 5915 & 5953 contacts)
260G16	Applicator only (110V & 220V)
284G1	Applicator & Press (220V, 50Hz)
250G5	Press only (110V, 60Hz)

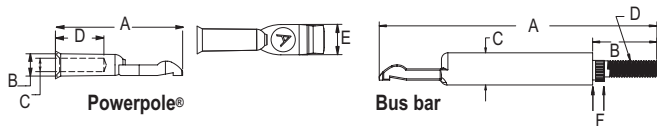
DIMENSIONS

Housing



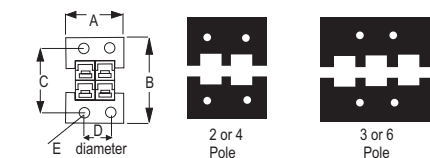
Contacts

Part Number	-A-		-B-		-C-		-D-		-E-		-F-
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	
1307	30.0	1.18	7.2	0.28	5.6	0.22	11.4	0.45	7.1	0.28	N/A
5900	30.0	1.18	7.2	0.28	5.6	0.22	11.4	0.45	7.1	0.28	N/A
5914	29.7	1.17	4.8	0.19	3.5	0.14	11.4	0.45	7.1	0.28	N/A
5915	30.0	1.18	7.2	0.28	3.5	0.14	11.4	0.45	7.1	0.28	N/A
5952	30.0	1.18	7.2	0.28	4.7	0.19	11.4	0.45	7.1	0.28	N/A
5953	30.0	1.18	7.2	0.28	3.5	0.14	11.4	0.45	7.1	0.28	N/A
904G1	30.0	1.18	7.2	0.28	3.5	0.14	11.4	0.45	7.1	0.28	N/A
903G1	30.0	1.18	7.2	0.28	5.6	0.22	11.4	0.45	7.1	0.28	N/A
265G1	31.8	1.25	9.1	0.36	9.1	0.36	22.9	0.90	8.1	0.32	N/A
265G2	31.8	1.25	7.4	0.29	6.9	0.27	22.9	0.90	8.1	0.32	N/A
265G3	31.0	1.22	9.1	0.36	9.1	0.36	22.9	0.90	8.1	0.32	N/A
265G4	31.0	1.22	7.4	0.29	6.9	0.27	22.9	0.90	8.1	0.32	N/A
265G5	31.8	1.25	9.1	0.36	9.1	0.36	22.9	0.90	8.1	0.32	N/A
265G6	31.8	1.25	7.4	0.29	6.9	0.27	22.9	0.90	8.1	0.32	N/A
265G7	31.0	1.22	9.1	0.36	9.1	0.36	22.9	0.90	8.1	0.32	N/A
265G8	31.0	1.22	7.4	0.29	6.9	0.27	22.9	0.90	8.1	0.32	N/A
75BBS	69.0	2.70	17.1	0.68	6.9	0.27	#10-24 thd.	1.0	0.04	2.0	0.08

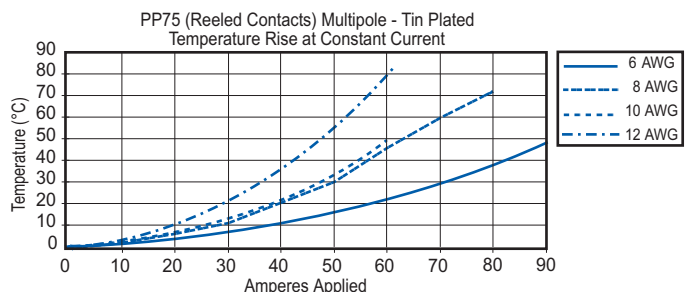
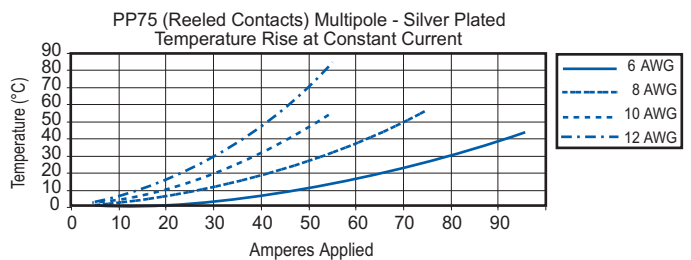
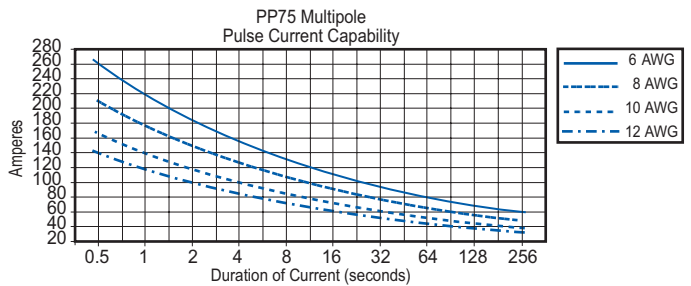
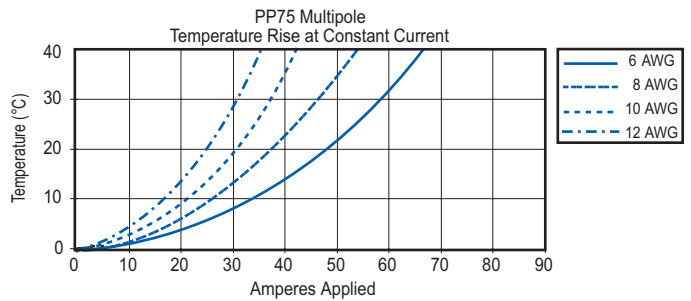
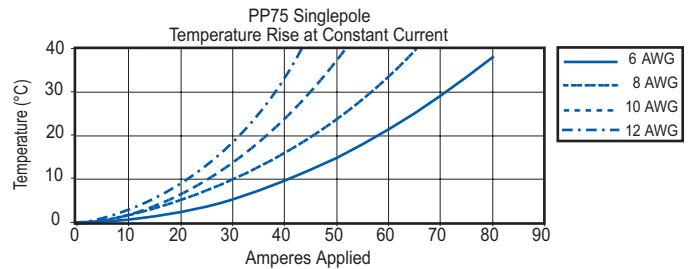


Mounting Clamps

Part Number	-A-		-B-		-C-		-D-		-E-		Number of Poles
	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	
1463G1	41.1	1.62	34.7	1.37	27.1	1.07	31.8	1.25	4.0	0.16	(2 Pole)
1463G1	41.1	1.62	50.7	2.00	43.1	1.70	31.8	1.25	4.0	0.16	(4 Pole)
1463G2	57.2	2.25	34.7	1.37	27.1	1.07	47.6	1.88	4.0	0.16	(3 Pole)
1463G2	57.2	2.25	50.7	2.00	43.1	1.70	47.6	1.88	4.0	0.16	(6 Pole)



TEMPERATURE RISE CHARTS



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FEATURES

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• 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	Connector Model	PP120
UL Current Rating (Amperes)*	120*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	#2 to #8	b. Under Load (Hot Plug 250 cycles @ 120V)	60A
(mm ²)	33.6 to 8.4	Avg. Connection/Disconnect (lbf)	8
Maximum Wire Insulation Diameter (inches)	0.600	Operating Temperature Range °C***	-20° to 105°
(mm)	15.24	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	136	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	100		



* 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	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	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	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
110G18	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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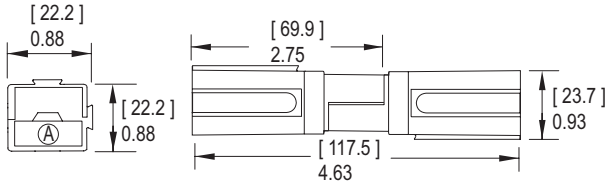
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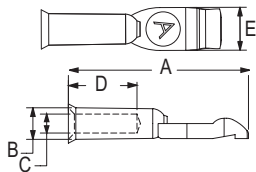
DIMENSIONS

Housing



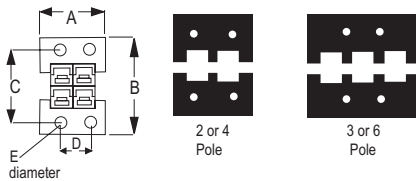
Contact

Part Number	-A- mm in.	-B- mm in.	-C- mm in.	-D- mm in.	-E- mm 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



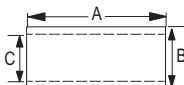
Mounting Clamps

Part Number	-A- mm in.	-B- mm in.	-C- mm in.	-D- mm in.	-E- mm 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)

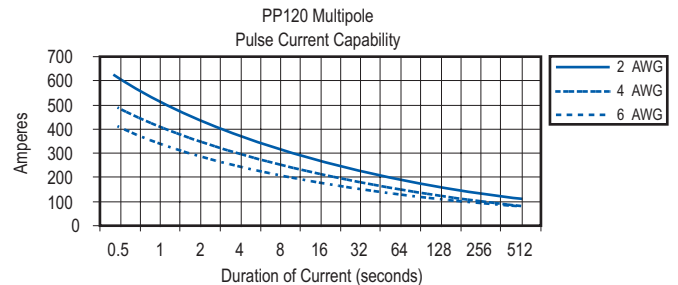
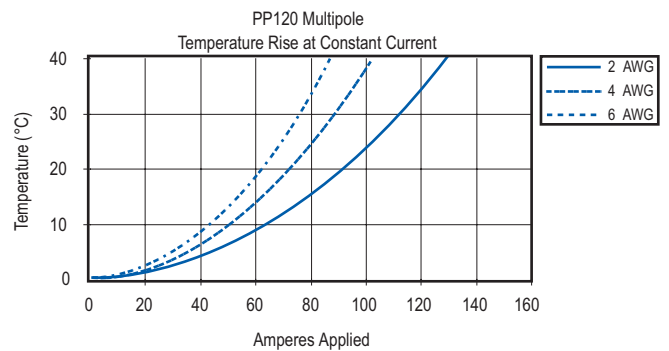
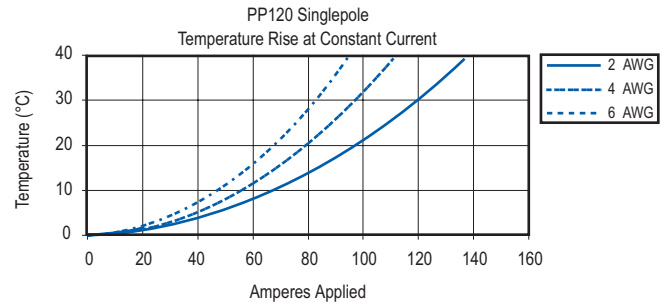


Bushings - (for use with 1319 contacts)

Part Number	Reduces From	-A- mm in.	-B- mm in.	-C- mm 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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FEATURES

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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	PP180	Connector Model	PP180
UL Current Rating (Amperes)*	180*	Life	
UL Voltage Ratings (Volts)**	600*	a. No load (Contact/Disconnect Cycles)	To 10,000
Contact Barrel Wire Size (AWG)	1/0 to #10	b. Under Load (Hot Plug 250 cycles @ 120V)	75A
(mm ²)	53.5 to 5.3	Avg. Connection/Disconnect (lbf)	20
Maximum Wire Insulation Diameter (inches)	0.900	Operating Temperature Range °C***	-20° to 105°
(mm)	22.86	°F	-4° to 221°
AVG Contact Resistance* (micro-ohms)	100	Flammability Rating of Housing Material	UL94 V-0
Insulation Withstanding Test Voltage (Volts AC/DC)	2200		
Contact Retention Force (lbf)	170		



* UL Rated for 65°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housing & 180 amp Contact

Part Number	Housing Color	Wire	
		AWG	sq. mm
1380	Blue	1/0	53.5
1380G1	Black	1/0	53.5
1380G2	White	1/0	53.5
1380G3	Red	1/0	53.5
1380G4	Green	1/0	53.5

180 amp Contacts

Part Number	Description	Wire	
		AWG	sq. mm
1347	Individual	#1	42.4
1348*	Individual	#6	13.3
1382	Individual	1/0	53.5
1383	Individual	#2	33.6
1384	Individual	#4	21.2
180BBS	Bus bar contact	NA	NA

* thin wall contact

Housings Only

Part Number	Description
1381	Blue housing
1381G1	Black housing
1381G2	White housing
1381G3	Red housing
1381G4	Green housing

Bushings

Part Number	Description	Wire	
		AWG	sq. mm
5648	Use with 1382	1/0 to #10	53.5/5.1
5663	Use with 1382	1/0 to #6	53.5/13.3
5687	Use with 1382	1/0 to #1	53.5/42.4
5690	Use with 1382	1/0 to #2	53.5/33.6
5693	Use with 1382	1/0 to #4	53.5/21.2

Accessories

Part Number	Description
110G18	Retaining Pins, 2 high block of connectors
110G19	Retaining Pins, 1 high block of connectors
10G56	Keeps nut for use with Bus bar contact
1465G1	2 & 4 pole mounting clamp set
1465G2	3 & 6 pole mounting clamp set

Tooling

Part Number	Description
1368	Hydraulic tool
1387G1	Pneumatic tool, #10 to 1/0
1388G3	- die for #10 to 1/0
1388G5	- die for #4 (1382 contact)
1389G3	- locator for #10 to 1/0
1389G5	- locator for #4 (1382 contact)

Note: For additional colors please contact customer service

HEADQUARTERS: 13 Pratts Junction Road, P.O. Box 579, Sterling, MA 01564 T:978-422-3600 F:978-422-3700

EUROPE: Rathely Road, Fermoy Co. Cork, Ireland T:353-(0)25-32277 F:353-(0)25-32296

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

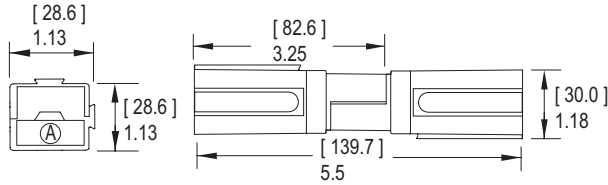
CHINA: IDEAL Anderson Technologies (Shenzhen) Ltd., Block A8 Tantou W. Ind. Par, Songgang Baoan District, Shenzhen, PR. China 51810 T: 86-755-2768-2118 F: 86-755-2768-2218

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

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DIMENSIONS

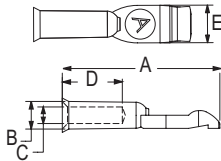
Housing



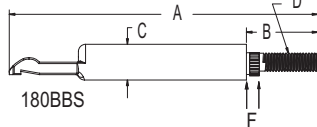
Contacts

Part Number	-A-	-B-	-C-	-D-	-E-	-F-
	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.
1347	59.8 2.35	13.0 0.51	9.9 0.39	26.4 1.04	12.7 0.50	N/A
1348	53.3 2.10	9.3 0.37	5.6 0.22	20.3 0.80	12.7 0.50	N/A
1382	59.6 2.35	13.1 0.52	11.2 0.44	27.2 1.07	12.7 0.50	N/A
1383	59.7 2.35	13.2 0.52	N/A	N/A	12.7 0.50	N/A
1384	59.7 2.35	13.0 0.51	7.5 0.30	26.4 1.04	12.7 0.50	N/A
180BBS	109.7 4.3	25.4 1.0	2.7 0.50	N/A ¼-20	N/A	4.6 0.18

Powerpole®

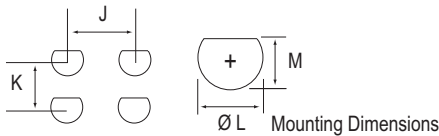


Bus bar



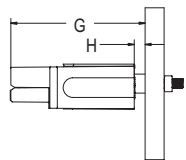
Bus Bar Layout

Part Number	-J-	-K-	-L-	-M-
	mm in.	mm in.	mm in.	mm in.
180BBS	26.8 1.05	26.8(min) 1.05(min)	9.53 0.375	3.43 0.135

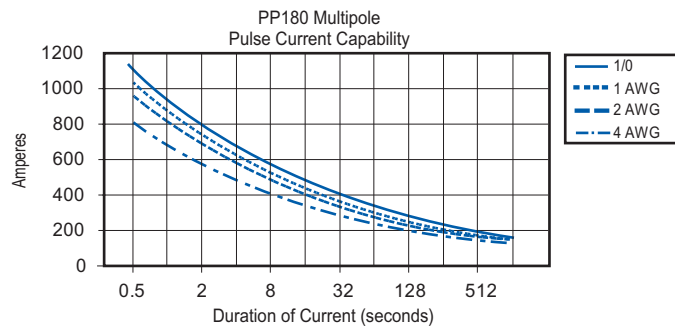
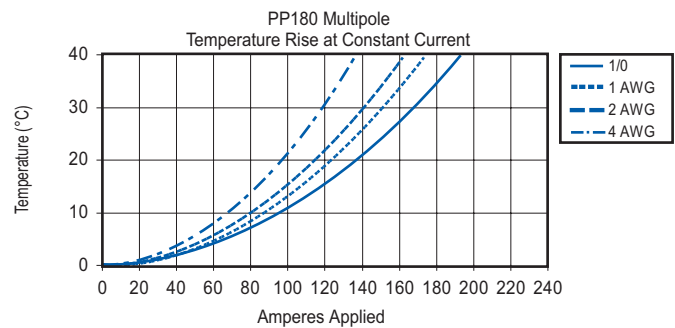
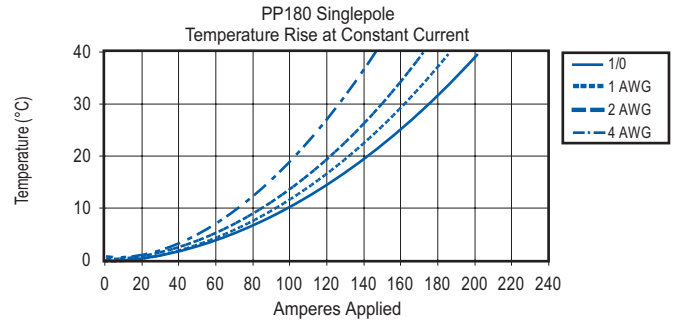


Bus bar Mounting Table

Series	-G-	-H-
	mm in.	mm in.
PP180	89.8 3.5 ref	3.9 0.2 ref



TEMPERATURE RISE CHARTS



Mounting Clamps

Part Number	-A-	-B-	-C-	-D-
	mm in.	mm in.	mm in.	mm in.
1465G1	71.4 2.81	55.7 2.19	43.0 1.69	28.6 1.13
1465G1	71.4 2.81	84.4 3.32	71.7 2.82	28.6 1.13
1465G2	100.8 3.97	55.7 2.19	43.0 1.69	57.2 2.25
1465G2	100.8 3.97	84.4 3.32	71.7 2.82	57.2 2.25

Part Number	-E-	Number of Poles
	mm in.	
1465G1	4.8 0.19	(2 Pole)
1465G1	4.8 0.19	(4 Pole)
1465G2	4.8 0.19	(3 Pole)
1465G2	4.8 0.19	(6 Pole)

