

FEATURES

- **Flat wiping contact system**

Allows for minimal contact resistance at high current, wiping action cleans contact surface during connection/disconnection

- **Interchangeable genderless design**

Makes assembly quick and easy and reduces number of parts stocked

- **Silver plated contacts**

Offers greatest longevity when using high power, elevated temperature applications

- **Colored modular housings**

Provides visual identification of proper mating connector

- **Polarized housings**

Prevents damage to connectors from being mated incorrectly

- **Molded-in dovetails**

Secures individual connectors together

- **Crimp PCB or Bus bar contact terminals**

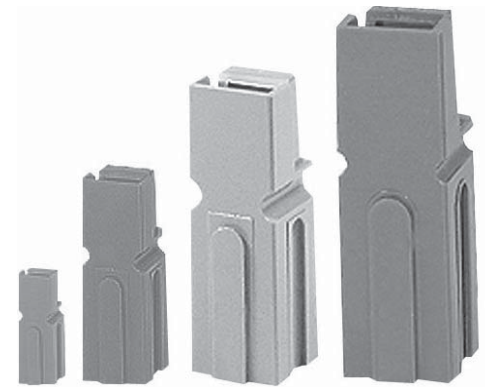
Offers design flexibility for your manufacturing and maintenance requirements

- **Wide product range - from 15 amps through 180 amps**

15, 30, 45, 75, 120 and 180 product ratings, allows versatility to choose product best suited to design requirements

- **UL94 V-0 housing material**

Provides security in knowledge that the connector chosen meets strict UL flammability ratings



PRODUCT RANGE

| | |
|--|---------------|
| UL Current Rating (Amperes)* | 15* to 180* |
| UL Voltage Ratings (Volts)** | 600* |
| Contact Barrel Wire Size (AWG) | #20 to 1/0 |
| (mm ²) | .5 to 53.5 |
| Maximum Wire Insulation Diameter (inches) | .175 to 0.900 |
| (mm) | 4.45 to 22.86 |
| AVG Contact Resistance* (micro-ohms) | 578 to 100 |
| Insulation Withstanding | 2200 |
| Test Voltage (Volts AC/DC) | |
| Contact Retention Force (lbf) | 25 to 170 |
| Life | |
| a. No load (Contact/Disconnect Cycles) | To 10,000 |
| b. Under Load (Hot Plug 250 cycles @ 120V) | 15A to 75A |
| Avg. Connection/Disconnect (lbf) | 3 to 20 |
| Operating Temperature Range °C*** | -20° to 105° |
| °F | -4° to 221° |
| Flammability Rating of Housing Material | UL94 V-0 |



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

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

PRODUCT INFORMATION

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

The housings are interchangeable, genderless interconnects. Insert contacts 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 15, 30, 45, 75, 120 and 180 amp ratings for use through 600 Volts continuous, AC or DC operation. There are Powerpoles for many applications and wire sizes, #20 (.5mm) to 1/0 AWG (53.5mm). 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 multipole blocks with or without mechanical keys and make first - break last contacts.

Markets: Electronics, Telecommunications, Office Panels, UPS Systems, Electric Vehicles, Industrial & Much More.



CSA Certified
File No. LR25154



File No. E26226

All Data Subject To Change Without Notice

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

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

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

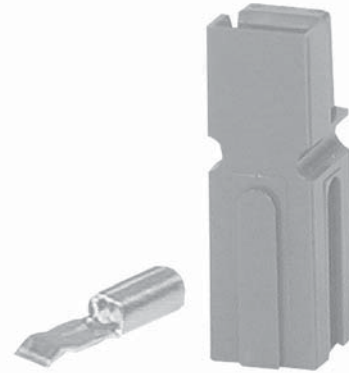
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Powerpole® connectors provide cost-effective reliability, design flexibility and safety for your products' manufacture, installation and maintenance.

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 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 | 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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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 |

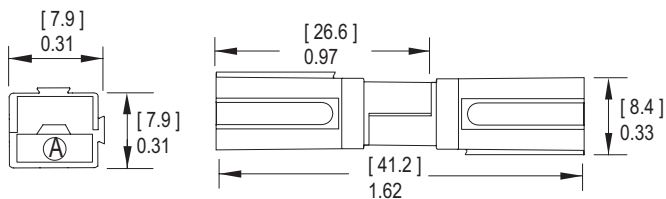
Tooling

| 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

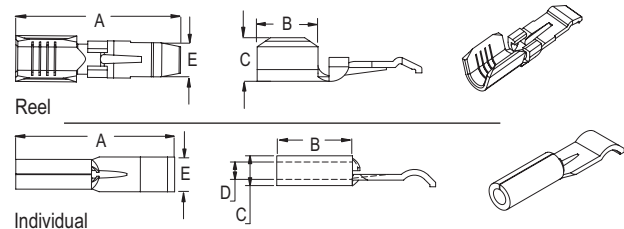
DIMENSIONS

Housing



Contacts

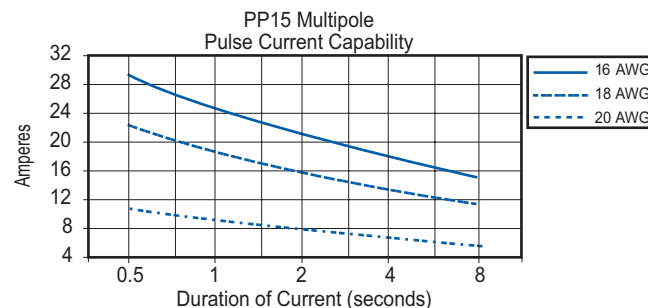
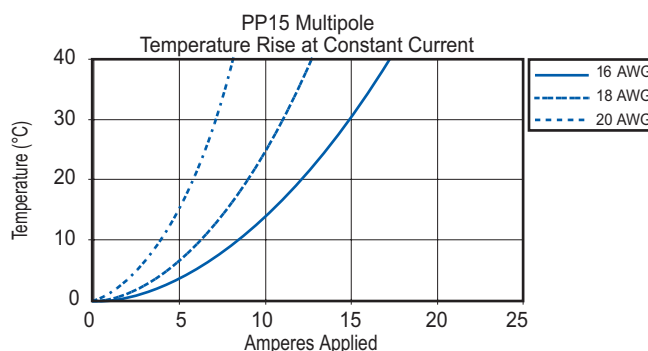
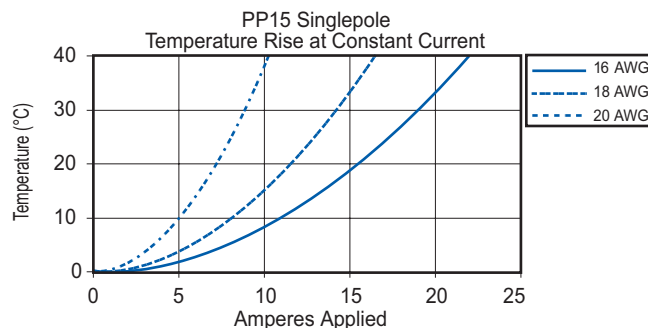
| Part Number | -A- | | -B- | | -C- | | -D- | | -E- | |
|-------------|------|------|-----|------|-----|------|-----|------|-----|------|
| | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. |
| 1332 | 16.3 | 0.64 | 7.8 | 0.31 | 3.1 | 0.12 | 1.8 | 0.07 | 3.6 | 0.14 |
| 262G1 | 17.2 | 0.68 | 6.4 | 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 |



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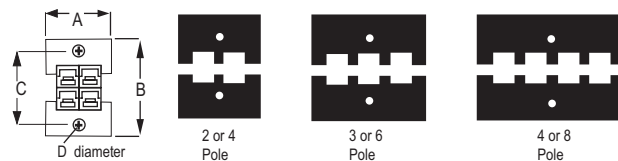
Note: For additional colors please contact customer service

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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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 #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

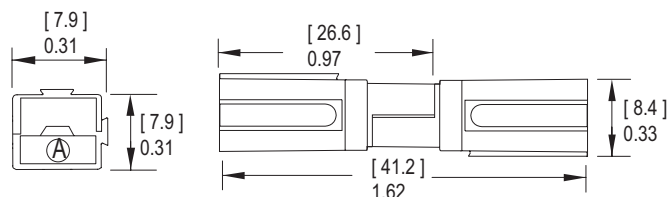
| Part Number | Description |
|-------------|-----------------------------------|
| 111038G2 | Contact insertion/extraction tool |
| 1309G2 | Hand tool #12 to #20 |
| 1309G5 | Hand tool for p/n 200G2L & 201G2H |
| 260G1 | Applicator only (110V & 220V) |
| 260G14* | Applicator only (110V & 220V) |
| 260G15* | 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

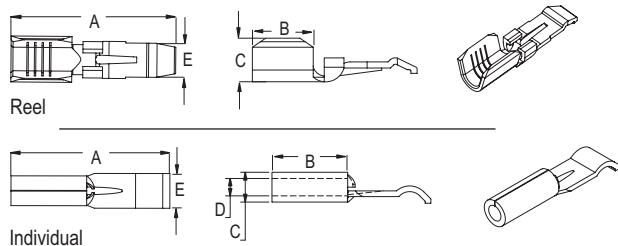
DIMENSIONS

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 |

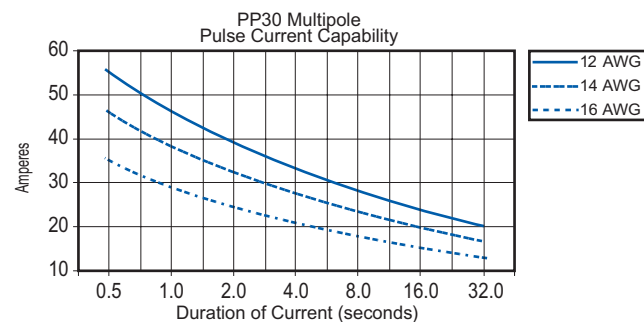
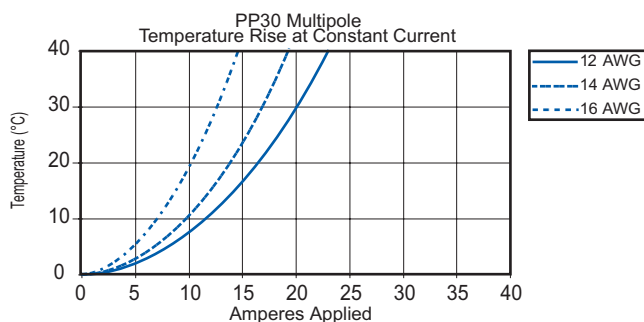
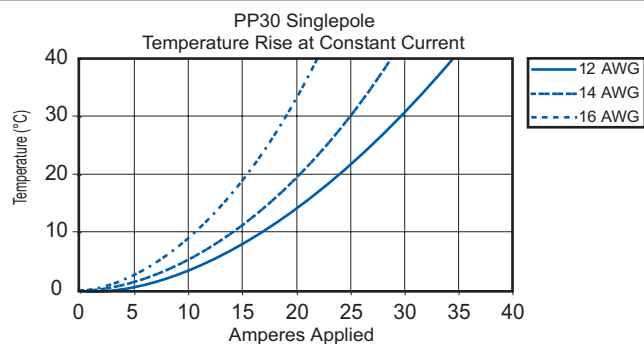


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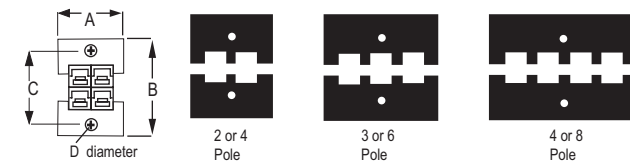
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TEMPERATURE RISE CHARTS



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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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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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

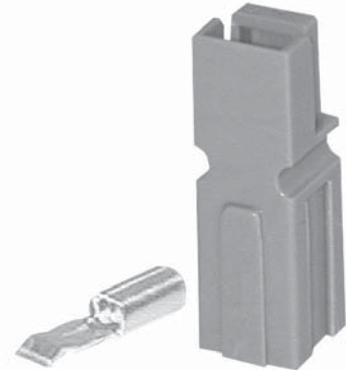
Minimal contact resistance at high current, wiping action cleans contact surface during connection/disconnection

• 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) (mm ²) | #10 to #14 5.3 to 2.1 | b. Under Load (Hot Plug 250 cycles @ 120V) | 30A |
| Maximum Wire Insulation Diameter (inches) (mm) | 0.175 4.45 | Avg. Connection/Disconnect (lbf) | 3 - low detent 5 - high detent |
| AVG Contact Resistance* (micro-ohms) | 525 | Operating Temperature Range °C*** °F | -20° to 105° -4° to 221° |
| Insulation Withstanding Test Voltage (Volts AC/DC) | 2200 | Flammability Rating of Housing Material | UL94 V-0 |
| 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 |

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 continued

| Part Number | Description |
|-------------|----------------|
| 1327G22 | Pink housing |
| 1327G23 | Purple housing |

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 |

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

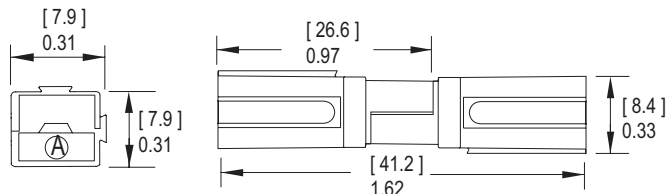
| Part Number | Description |
|-------------|-----------------------------------|
| 111038G2 | Contact insertion/extraction tool |
| 1309G3 | Hand tool for p/n 261G2-LPBK |
| 1309G5 | Hand tool for p/n 200G2L & 201G2H |
| 260G1 | Applicator only (110V & 220V) |
| 260G14* | Applicator only (110V & 220V) |
| 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

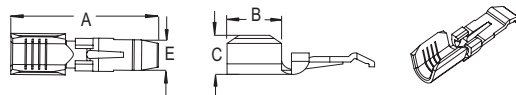
DIMENSIONS

Housing



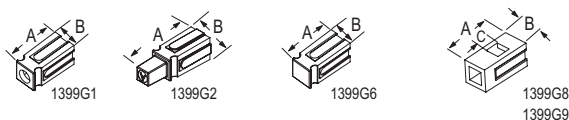
Contacts

| 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 |

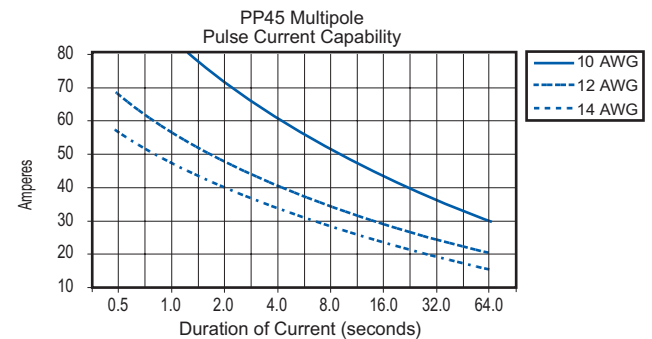
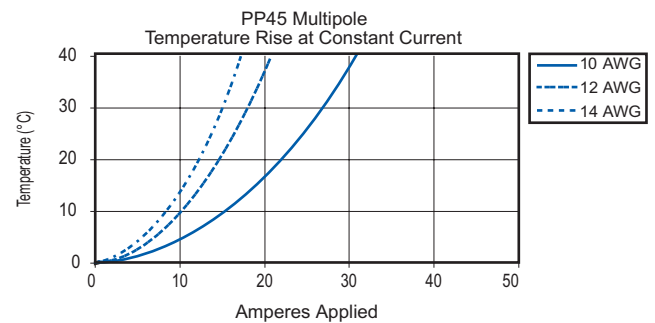
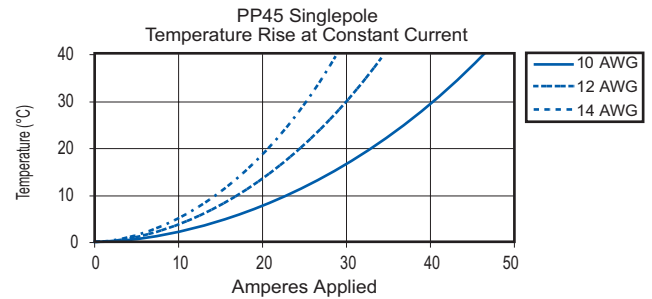


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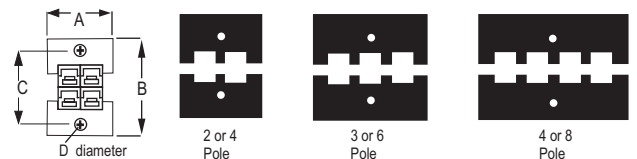
All Data Subject To Change Without Notice

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 PP15/45 Finger Proof is designed specifically for high voltage applications where personal safety is critical. The connector meets the accessibility requirements of UL1977 section 10.2 and is recommended for applications over 50 volts.

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

Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #10 to #20 AWG (5.3 to .5 mm²). Contacts are available in reeled and loose piece, to support production needs from low to high volumes.

FEATURES

• Finger proof

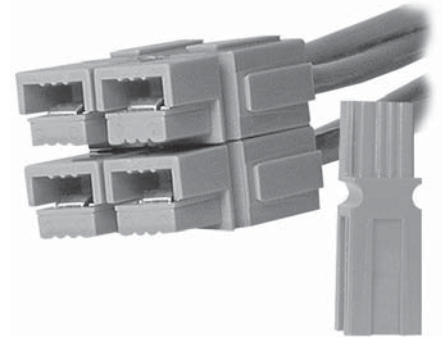
Minimizes the potential contact with live contacts, per UL 1977 and EN/IEC 60529 condition IP20

• Molded-in dovetails

Secures individual connectors into "keyed" assemblies which prevents misconnection with similar configurations

• Interchangeable genderless design

Makes assembly quick, easy and reduces number of parts stocked



PRODUCT SPECIFICATIONS

| Connector Model | PP15 | PP30 | PP45 | Connector Model | PP15 | PP30 | PP45 |
|--|-----------|-----------|-----------|--|-------------------------------|-------------------------------|-------------------------------|
| UL Current Rating (Amperes)* | 15* | 30* | 45* | Life | | | |
| UL Voltage Ratings (Volts)** | 600* | 600* | 600* | a. No load (Contact/Disconnect Cycles) | To 10,000 | To 10,000 | To 10,000 |
| Contact Barrel Wire Size (AWG) | #16 - #20 | #12 - #16 | #10 - #14 | b. Under Load (Hot Plug 250 cycles @ 120V) | 15A | 30A | 30A |
| (mm ²) | 1.3 to .5 | 3.3 - 1.3 | 5.3 - 2.1 | Avg. Connection/Disconnect (lbf) | 3-low detent 5-high detent | 3-low detent 5-high detent | 3-low detent 5-high detent |
| Maximum Wire Insulation Diameter (inches) | 0.175 | 0.175 | 0.175 | Operating Temperature Range °C*** | -20° to 105° | -20° to 105° | -20° to 105° |
| (mm) | 4.45 | 4.45 | 4.45 | °F | -4° to 221° | -4° to 221° | -4° to 221° |
| AVG Contact Resistance* (micro-ohms) | 875 | 600 | 525 | Flammability Rating of Housing Material | UL94 V-0 | UL94 V-0 | UL94 V-0 |
| Insulation Withstanding Test Voltage (Volts AC/DC) | 2200 | 2200 | 2200 | | | | |
| Contact Retention Force (lbf) | 25 | 25 | 35 | | | | |



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

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

ORDERING INFORMATION

Housings Only

| Part Number | Description |
|-------------|---------------|
| 1327FP | Red housing |
| 1327G5FP | Green housing |
| 1327G6FP | Black housing |
| 1327G7FP | White housing |
| 1327G8FP | Blue housing |

15 amp Contacts*

| Part Number | Description | AWG | 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 - HD | 16/20 | 1.3/.52 |

30 amp Contacts*

| Part Number | Description | AWG | sq. mm |
|-------------|-----------------------|-------|---------|
| 1331 | Individual - LD | 12/16 | 3.3/1.3 |
| 261G1 | Reel - LD | 12/16 | 3.3/1.3 |
| 269G1-LPBK | Loose piece-bulk - HD | 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 |

45 amp Contacts*

| Part Number | Description | AWG | sq. mm |
|-------------|-----------------|-------|---------|
| 261G2 | Reel, Low Det | 10/14 | 5.3/2.1 |
| 269G3 | Reel, High Det | 10/14 | 5.3/2.1 |
| 261G2-LPBK | Individual | 10/14 | 5.3/2.1 |
| 200G1L | Superflex, reel | 10/14 | 5.3/2.1 |
| 201G1H | Superflex, reel | 10/14 | 5.3/2.1 |

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 |
| 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 |

* LD - low detent or HD - high detent

Note: For additional colors please contact customer service

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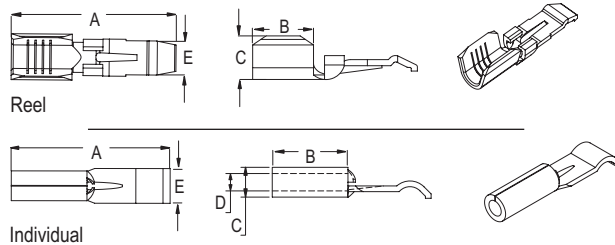
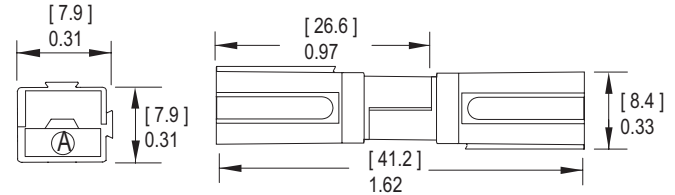
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DIMENSIONS

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 |
| 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 |
| 261G2 | 17.3 | 0.68 | 6.4 | 0.25 | 5.1 | 0.20 | N/A | | 3.6 | 0.14 |
| 261G2-LPBK | 17.3 | 0.68 | 6.4 | 0.25 | 5.1 | 0.20 | N/A | | 3.6 | 0.14 |
| 262G1 | 17.2 | 0.68 | 6.4 | 0.25 | 4.1 | 0.16 | 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 |
| 269G1-LPBK | 17.2 | 0.68 | 6.4 | 0.25 | 4.5 | 0.18 | 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 |
| 269G3 | 17.2 | 0.68 | 6.4 | 0.25 | 5.3 | 0.21 | 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 |
| 200G1L | 17.3 | 0.68 | 6.4 | 0.25 | 6.1 | 0.24 | N/A | | 3.6 | 0.14 |
| 201G1H | 17.2 | 0.68 | 6.4 | 0.25 | 6.1 | 0.24 | N/A | | 3.6 | 0.14 |

Housing



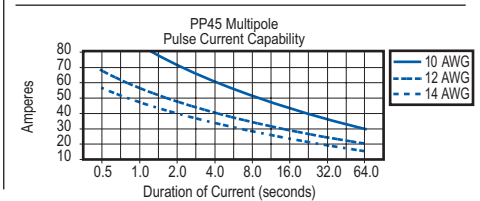
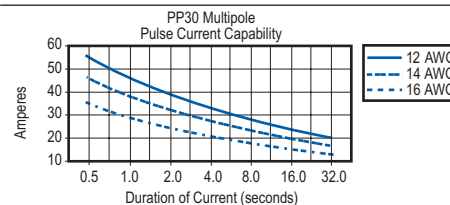
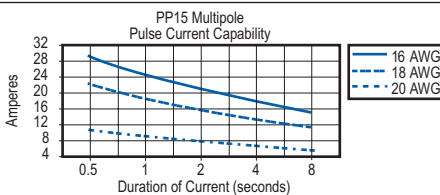
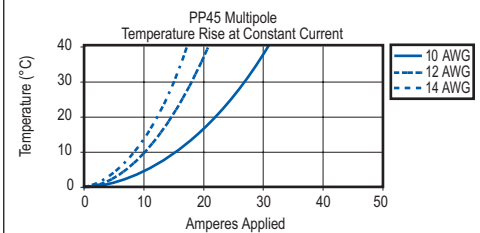
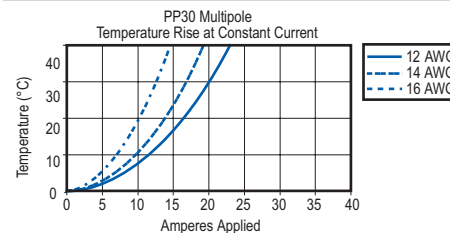
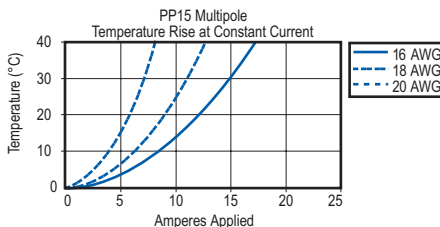
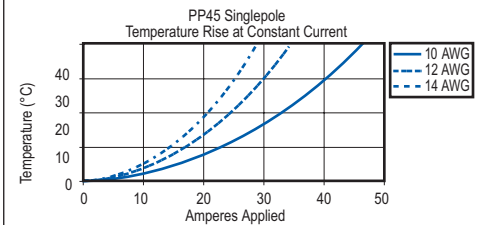
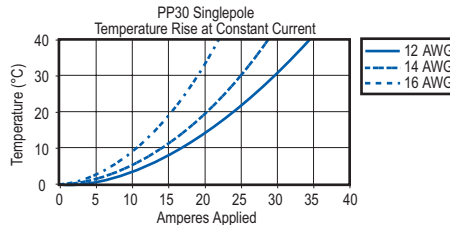
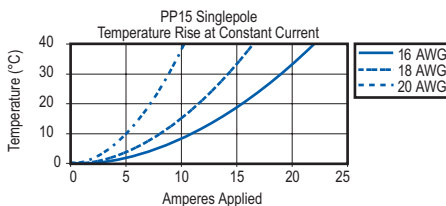
ORDERING INFORMATION

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

TEMPERATURE RISE CHARTS



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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

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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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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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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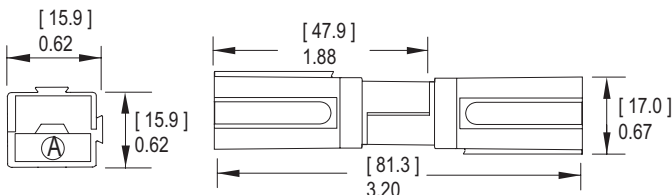
ORDERING INFORMATION

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) |

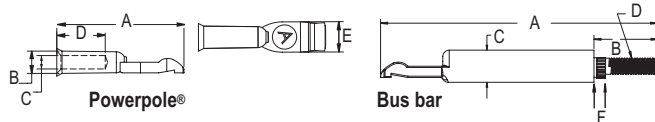
DIMENSIONS

Housing



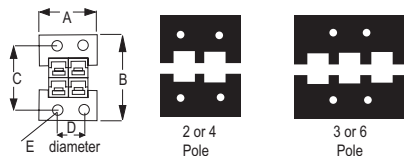
Contacts

| 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 |



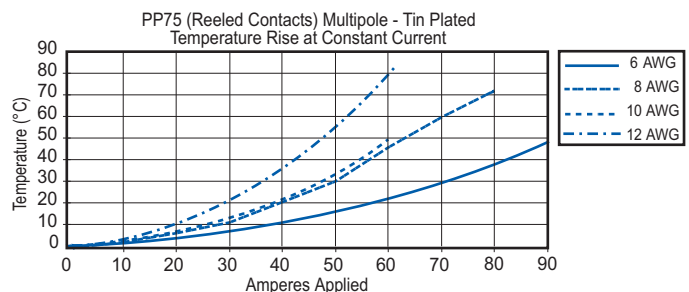
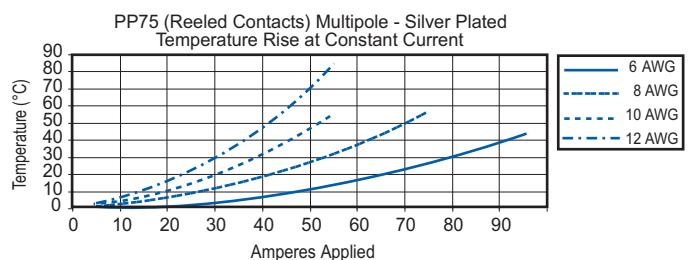
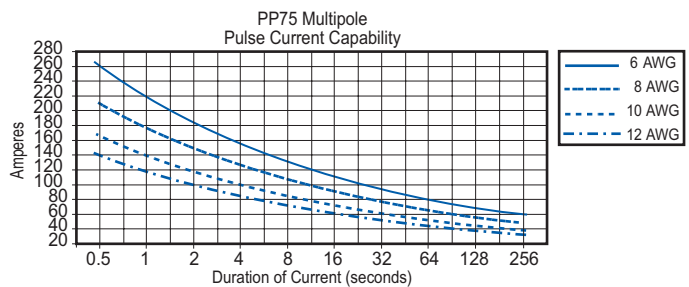
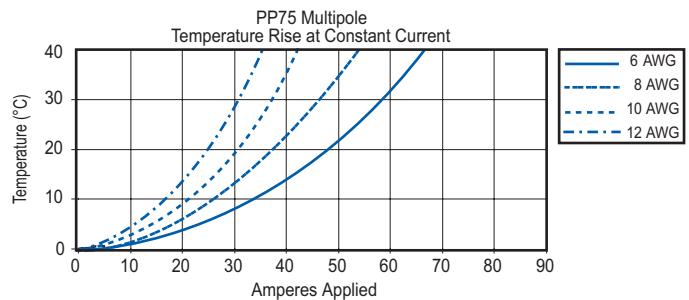
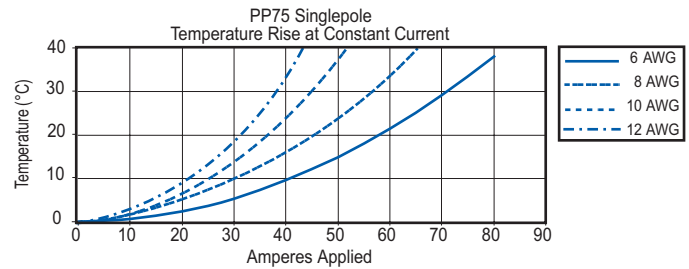
Mounting Clamps

| 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) |



All Data Subject To Change Without Notice

TEMPERATURE RISE CHARTS



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In addition to all the unique features of our standard PP75 Powerpoles®, we offer a "Locking" version. The locking clips insure that the connector dovetails are attached securely without roll pins, which are required to secure other Powerpole® assemblies. Like our standard Powerpole® housing, the locking PP75 also offers a 600 Volts continuous, AC or DC operation. Wire sizes range from #6 to #16 AWG (13.3 to 1.3 mm²). The locking PP75 utilizes the same contacts and crimp tooling as our standard PP75 housing.

FEATURES

• Locking dovetail design

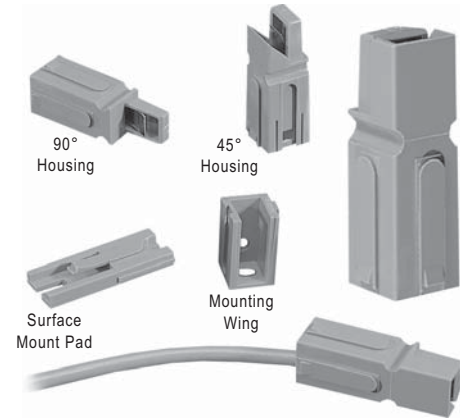
Provides positive mechanical spring latch, creating lockable/unlockable modules

• Horizontal/Vertical mounting wings or surface adaptor

Eliminates retaining pins, allows horizontal, vertical or direct mounting capability

• Molded-in dovetails

Securely locks modules into multipole 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 65°C largest wire or cable size

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

**** For 75°C rated wire or cable size

ORDERING INFORMATION

Housing Only

| Part Number | Description |
|-------------|---------------------|
| 75LOKBLU | Blue housing |
| 75LOKGRA | Gray housing |
| 75LOKBLK | Black housing |
| 75LOKGRN | Green housing |
| 75LOKYEL | Yellow housing |
| 75LOKWHT | White housing |
| 75LOK45BLU | 45° locking housing |
| 75LOK90BLU | 90° locking housing |

contacts continued

| Part Number | Description | Wire | |
|-------------|--------------------------|--------|----------|
| | | AWG | sq. mm |
| 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 |
| 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 |

* 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

Accessories

| Part Number | Description |
|---------------|---------------------------------------|
| 1463G1 | 2 & 4 pole mounting clamp set |
| 1463G2 | 3 & 6 pole mounting clamp set |
| 75 LOKSMTBLU | Surface mounting pad |
| 75LOKWNGBLU | Mounting wing (oval hole) |
| 75LOKWNGBLU-R | Mounting wing (round hole) |
| 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 |

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 |

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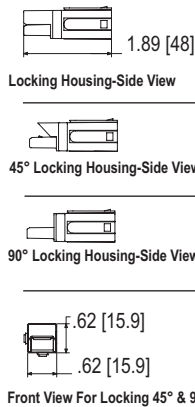
ORDERING INFORMATION

Tooling

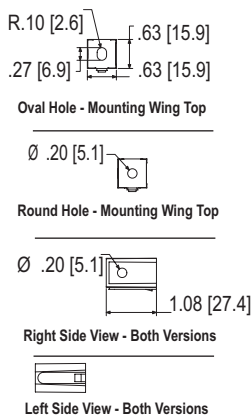
| Part Number | Description |
|-------------|---|
| 1309G4 | Hand tool, #16 to #6 |
| 1387G1 | Pneumatic tool, #16 to #6 |
| 1388G6 | - die for #16 to #6 AWG |
| 1388G7 | - die for #10 to #12 AWG (5914, 5915 & 5953 contacts) |
| 1389G6 | - locator for #16 to #6 AWG |
| 1389G7 | - locator for #10 to #12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

DIMENSIONS

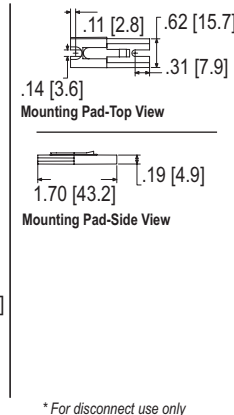
Housings



Mounting Wings



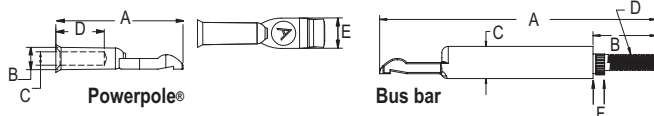
Surface Mount Pad



* For disconnect use only

Contacts

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



* See Bus Bar layout and mounting table on page 47



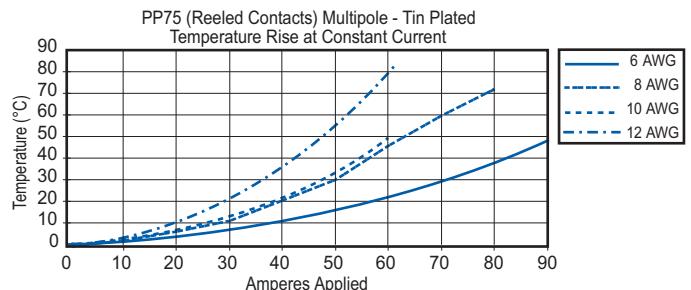
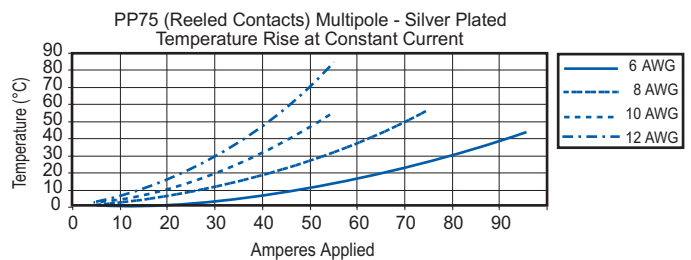
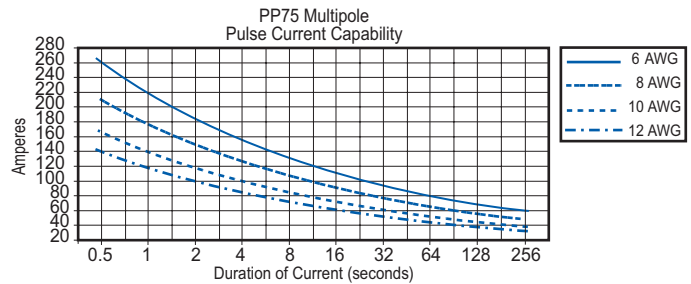
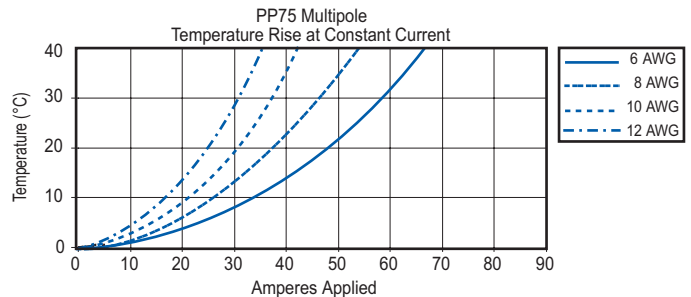
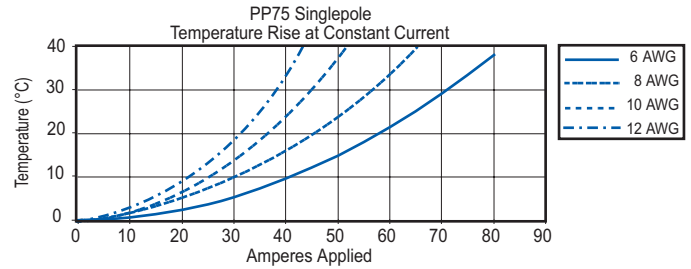
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File No. E26226

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TEMPERATURE RISE CHARTS



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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

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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 | 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 |
|-------------|--|
| 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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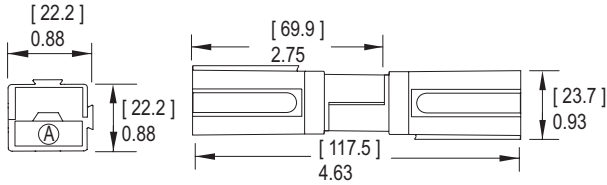
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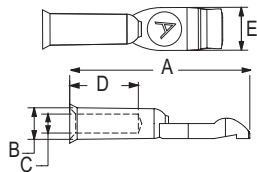
DIMENSIONS

Housing



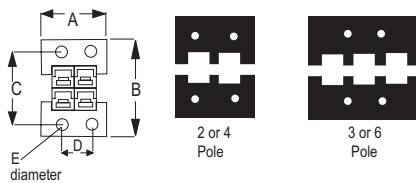
Contact

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



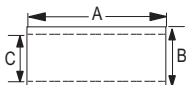
Mounting Clamps

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

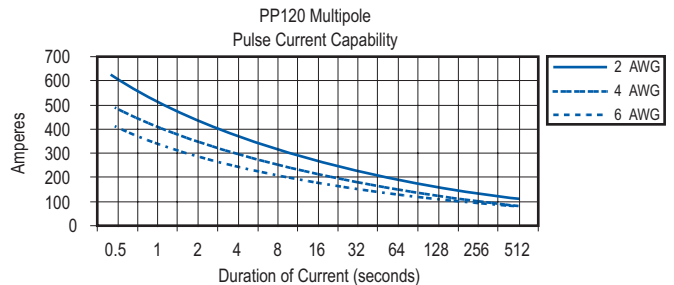
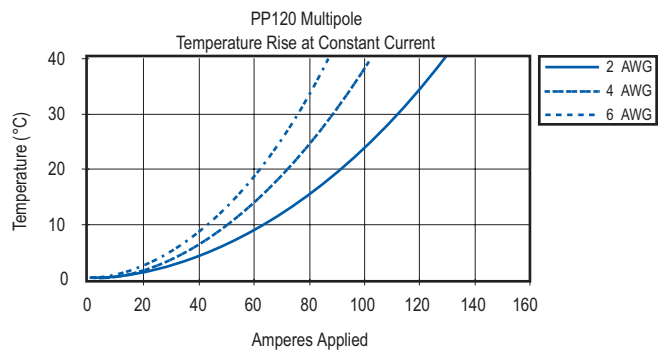
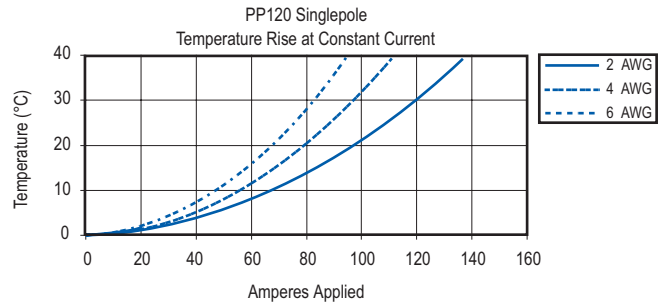


Bushings - (for use with 1319 contacts)

| Part Number | Reduces From | -A- | | -B- | | -C- | |
|-------------|--------------|------|-----|-----|-----|-----|-----|
| | | mm | in. | mm | in. | 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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The housings are modular and genderless. Powerpole® connectors provide 600 Volts continuous, AC or DC operation. Wire sizes range from #1/0 to #10 AWG (53.5 to 5.3 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 | 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, 1 high block of connectors |
| 110G20 | Retaining Pins, 2 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

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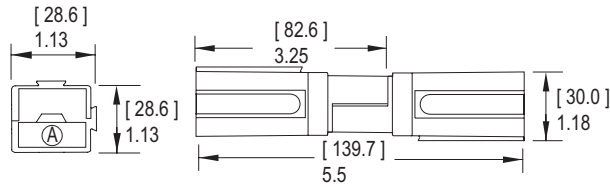
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DIMENSIONS

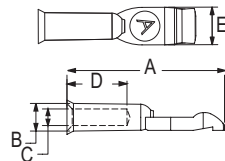
Housing



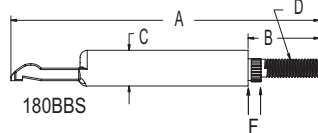
Contacts

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

Powerpole®

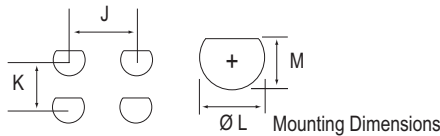


Bus bar



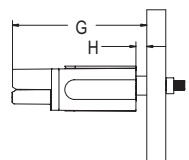
Bus Bar Layout

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

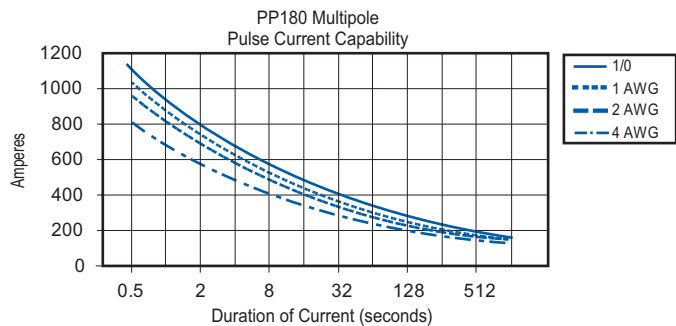
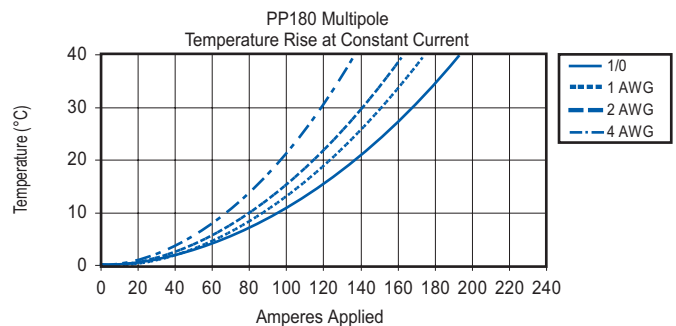
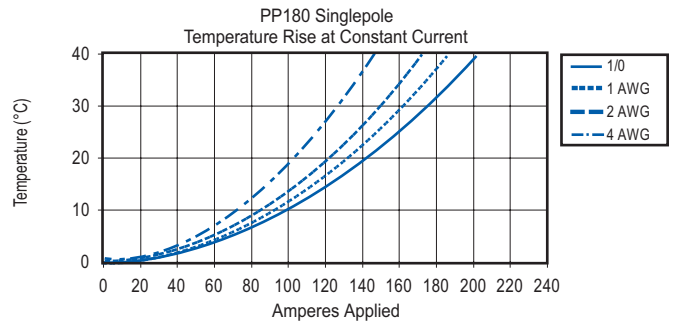


Bus bar Mounting Table

| Series | -G- | -H- |
|--------|------|---------|
| | mm | in. |
| 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. |
| 1465G1 | 71.4 | 2.81 | 55.7 | 2.19 |
| 1465G1 | 71.4 | 2.81 | 84.4 | 3.32 |
| 1465G2 | 100.8 | 3.97 | 55.7 | 2.19 |
| 1465G2 | 100.8 | 3.97 | 84.4 | 3.32 |

| Part Number | -E- | Number of Poles |
|-------------|-----|-----------------|
| 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) |

