

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 mm<sup>2</sup>). 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

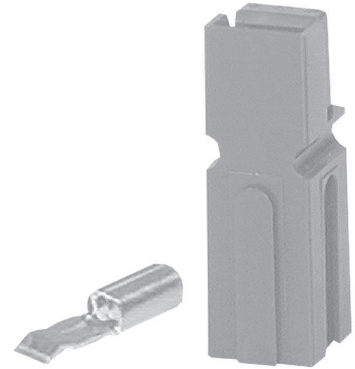
*Minimal contact resistance at high current, wiping action cleans contact surface during connection/disconnection*

### • 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)<br>(mm <sup>2</sup> )  | #16 to #20<br>1.3 to .5 | b. Under Load (Hot Plug 250 cycles @ 120V) | 15A                               |
| Maximum Wire Insulation Diameter (inches)<br>(mm)     | 0.175<br>4.45           | Avg. Connection/Disconnect (lbf)           | 3 - low detent<br>5 - high detent |
| AVG Contact Resistance*<br>(micro-ohms)               | 875                     | Operating Temperature Range °C***<br>°F    | -20° to 105°<br>-4° to 221°       |
| Insulation Withstanding<br>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 & 15 amp Contact

| Part Number | Housing Color | Wire AWG | 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 | 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

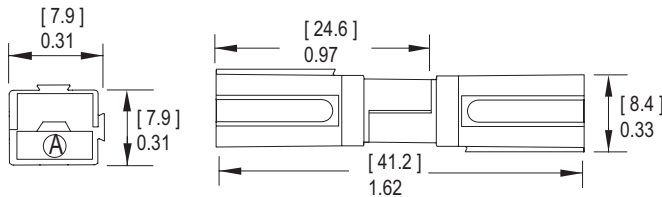
| Part Number | Description                       |
|-------------|-----------------------------------|
| 111038G2    | Contact insertion/extraction tool |
| 1309G2      | Hand tool #12 to #20              |
| 1309G5      | Hand tool for p/n 200G2L & 201G2H |
| 260G1       | Applicator only (110V & 220V)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

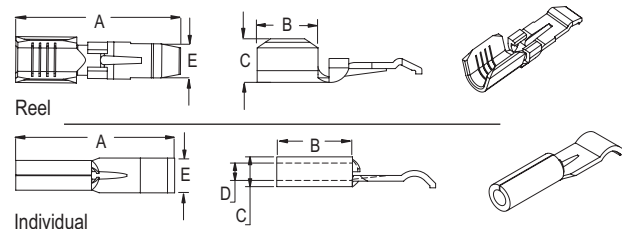
## DIMENSIONS

### Housing

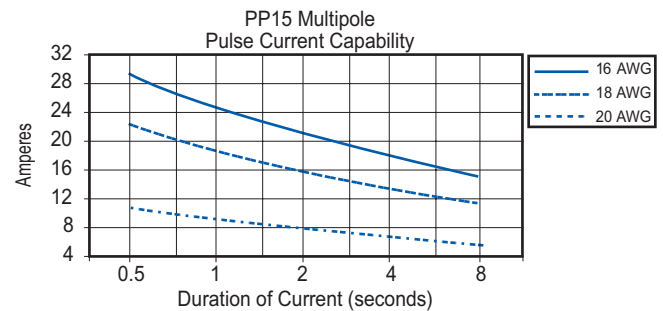
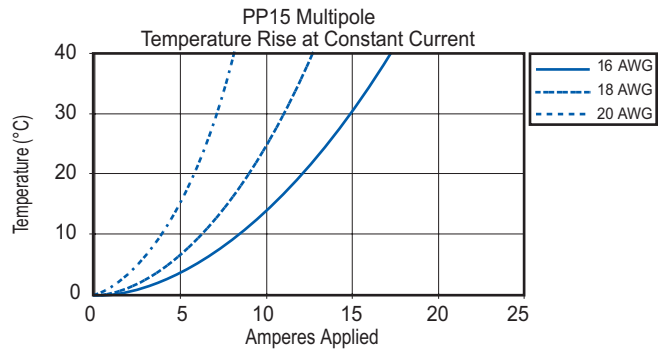
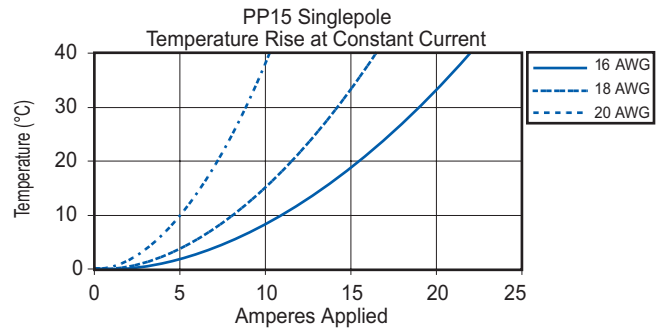


### Contacts

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

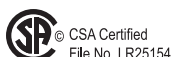
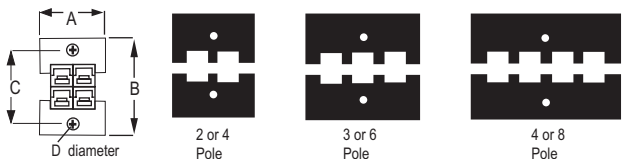


## TEMPERATURE RISE CHARTS



### Mounting Clamps

| Part Number | -A- mm in. | -B- mm in. | -C- mm in. | -D- mm in. | Number of Poles |
|-------------|------------|------------|------------|------------|-----------------|
| 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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All Data Subject To Change Without Notice

Note: For additional colors please contact customer service

DS-PP15 REV05

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