

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 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 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 <sup>2</sup> )                                 | 3.3 to 1.3 | Avg. Connection/Disconnect (lbf)           | 3 - low detent<br>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 | 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 | 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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