

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
- Optional 10 or 30 amp ground contacts**
First mate/last break ground terminals help provide system safety
- 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, 60, 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 (lbs)	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 (lbs)	3 to 20
Operating Temperature Range °C***	-20° to 105°
Flammability Rating of Housing Material	UL94 V-0

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

** Both AC & DC Voltage

*** Contact factory for higher temperature rated connectors

**** VDE on PP30, PP45 & PCB25A

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, 60, 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 multiple blocks with or without mechanical keys and make first - break last contacts.

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



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