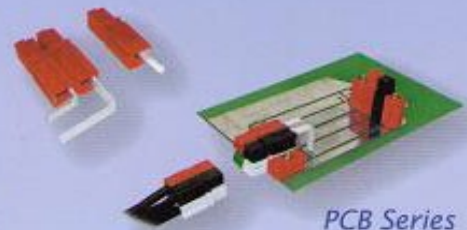


Powerpole®

10 amps up to 180 amps



PCB Series

SPECIFICATIONS	Pin & Socket	15 to 180 amps	PCB Series
Current Rating (Amperes) ⁽¹⁾	10 to 30 ⁽³⁾	15 to 180	25 to 55
Voltage Rating (AC/DC) ⁽¹⁾	600	600	250 to 600
Contact Barrel Wire Size (AWG) (mm ²)	10 to 16 4 to 1	1/0 to 20 50 to 0.5	N/A N/A
Maximum Wire Insulation Diameter (inches) (mm)	0.175 to 0.137 4.45 to 3.48	0.175 to 0.900 4.45 to 22.86	N/A N/A
Housing Material	Polycarbonate	Polycarbonate	Polycarbonate
Contact Material	Copper Alloy	Copper Alloy	Copper Alloy
Contact Plating	Tin or Silver	Tin or Silver	Tin or Silver
Average Contact Resistance (micro-ohms) ⁽¹⁾	2,200 to 600	875 to 100	N/A
Dielectric Withstanding Voltage (AC)	2,200	2,200	N/A
Contact Retention Force (lbf) (N)	25 111	25 to 170 111 to 756	N/A N/A
Life a. No load (mating cycles) b. Under Load (Hot Plug 250 mating cycles @ 120V)	2,500 N/A	10,000 15A to 75A	1,500 25A to 55A
Insertion / Extraction Force (lbf) (N)	3 to 5 13 to 22	3 to 20 13 to 89	2 to 15 9 to 67
Suggested Board Thickness (inches) (mm)	N/A N/A	N/A N/A	0.093 to 0.150 max. 2.36 to 3.81 max.
Touch Safe	No	PP15/45	Optional - 25 amp
Operating Temperature ⁽²⁾ (°C) (°F)	-20° to 105° -4° to 221°	-20° to 105° -4° to 221°	-20° to 105° -4° to 221°
Flammability Rating of Housing Material	UL94 V-0	UL94 V-0	UL94 V-0

Connector Notes for Powerpole®, Multipole, EBC and Compact Connectors

(1) UL Rated for 65°C largest wire or cable size

(2) Contact factory for higher temperature rated connectors

(3) Based on 10 AWG

(4) Ratings using nickel plated tab

(5) Ratings using gold plated, solid tab

All Data Subject To Change Without Notice



Pin & Socket



Powerpole®