

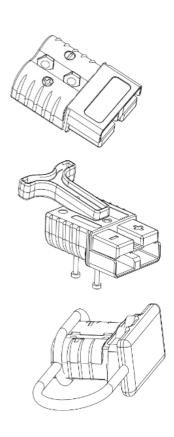
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## **Datasheet**

Item no. 1570748 1571629 1568158

V1\_08292018\_01\_en

# 120Amp 2 poles Power Connectors



#### FEATURES & BENEFITS

Genderless Housings

Provide simplified assembly and minimize the number of components

■Low Resistance Connection

Silver or tin plated copper contacts inside housings that strongly force the contacts together

● Hot Plugging AC or DC

Contacts feature a sacrificial tip that allows high current circuit interrupt

Keyed & Color Coded Housings

Prevents accidental cross mating of circuits

Self Securing Design

Stainless steel springs create a robust force between the contacts that holds the connector in the mated position

Auxiliary or Ground Positions

For signal transmission or the added safety of a primate ground position

Rated Current(Amperes): 120A Rated Voltage(Voltage): 600V

Contact Barrel Wire Size(AWG): 2/4/6AWG (13.3mm<sup>2</sup>-21.1/33.6mm<sup>2</sup>)

 $\begin{array}{lll} \mbox{Average Contact Resistance} & 0.05 \mbox{M}\Omega \\ \mbox{Voltage Proof} : & 2200 \mbox{V(DC)} \\ \mbox{Insulation Resistance} : & 500 \mbox{M}\Omega \\ \mbox{A. No Load (Contact/Disconnect Cycles)} & \mbox{To10,000} \\ \mbox{B. Under Load (Hot Plug 250 Cycles@120V)} & 60 \mbox{A} \end{array}$ 

Average Unmating Force: 85N

Flammability Pating of Housing Material: UL 94 \

Flammability Rating of Housing Material: UL94 V-0

Operating Temperature Range: -20°to 125°

Contact Material: Copper\Plating Silver

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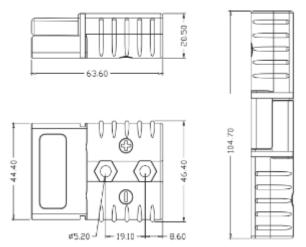
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# Housings

Item No.	Color	Voltage
1570748	Red	24V
1571629	Grey	36V
1568158	Blue	48V



### Temperature rise charts

