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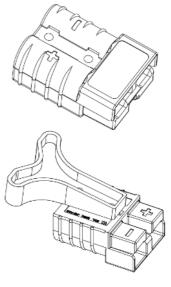
Datasheet

Item no. 1570617 1570747 1571088 1571089 1571090

1571091 1571092 1571628

V1_08292018_01_en

50Amp 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): 50A

Rated Voltage(Voltage): 50V dc max.

Contact Barrel Wire Size(AWG): 6 /10 /12AWG (13.3mm²-5.3/3.3mm²)

Average Contact Resistance : $0.05M\Omega$ Voltage Proof : 2200V(DC) Insulation Resistance : $500M\Omega$ A. No Load (Contact/Disconnect Cycles) To10,000 B. Under Load (Hot Plug 250 Cycles@120V) 50A

Average Unmating Force : 53N

Flammability Rating of Housing Material : UL94 V-0
Operating Temperature Range : -20°to 125°

Contact Material: Copper\Plating Silver

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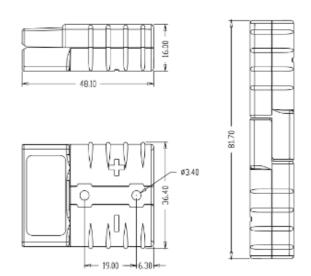
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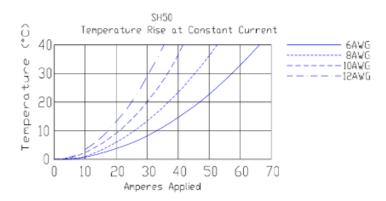
Housings

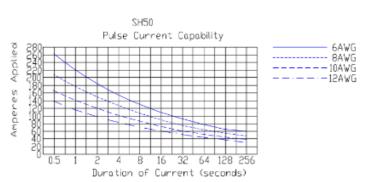
Item No.	Color	Voltage	
1570617	Red	24V	
1570747	Black	50V	
1571088	Blue	48V	
1571089	Grey	36V	
1571090	Green	50V	
1571091	Orange	18V	
1571092	Yellow	12V	

NOTE: Black and Grey housings have the same keying features and can be connect.



Temperature rise charts





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Dust Cover

Item No.	A (mm)	B (mm)	C (mm)	Color
1571628	46.5	51.6	27.9	Red

