GuangDong S&D Industrial Co.,Ltd
Tel:0769-27280272 Fax:0769-27280273
Http:www.send-tech.com&www.sdconnector.com E-mail:sales@send-tech.com

SPECIFICATION

Product Name	Multipole power connector
Part No	SG120 Series

一、Outline and dimensions：Outline and dimensions of the connector is shown on the following drawing

二、Technical Parameters：

1．Product Specifications

1-1.Rated current(Amperes)：120A

1-2.Rated voltage(Volts)：600V

1-3.Insulation Resistance:5000MΩ

1-4.contact Resistance(micro-ohms)：＜140

1-5.Voltage Proof:2200V(DC)

1-6.Life:

a. Without load(Contact/Disconnect Cycles):To 10000

b. With Load(Hot Plug 250 Cycles＆120V):60A

1-7.Flammability:UL94 V-0

1-8.Average.Connection/disconnect(N):120±5N

a. The pulling capacity between wire and terminal, It’s in line with UL standard

1-9.Contact Barrel Wire Size(AWG):02AWG~6AWG

1-10.Connector holding force(LBF):450N Min

1-11.Environment Temperatures(℃):-20℃-±125℃

2.Material and Surface performance

2-1.Material of terminal: Red copper

2-2.Process of production: Precision punching

2-3.Fully Ag-plating on surface, it’s Ag-plating thickness is 1μm

2-4.Shrapnel:Stainless steel

2.5.Process of production: Precision punching

2-6.Housing: Material PC

2-7. Process of production: Plastic Injection

三、（Packing and Storage）

1. Standard packing qty: 30pcs/bag for connector; 60pcs/bag for terminal; mate with way: 1connector uses 2 terminal.

2.The products storage condition: temperature: 5-30℃,relative humidity:80%, store in no acidic nor alkaline and no corrosive atmosphere warehouse, storage period: 2years.

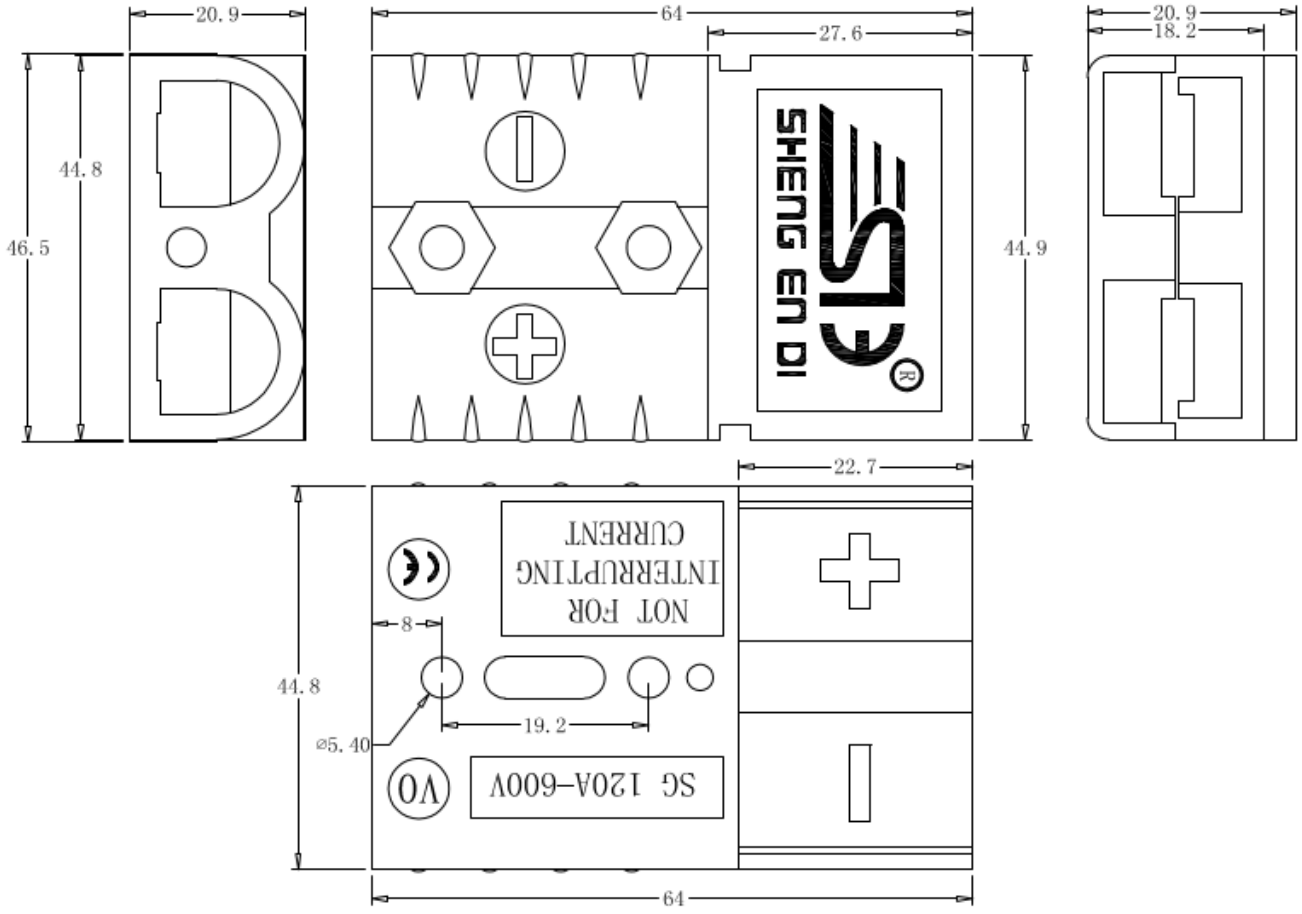
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四、Ordering Information

1.Housing

Part Number	Housing Color	Part Number	Housing Color
SG120H-BL	Black	SG120H-GR	Green
SG120H-BR	Brown	SG120H-BU	Blue
SG120H-RE	Red	SG120H-PU	Purple
SG120H-OR	Orange	SG120H-GY	Gray
SG120H-YE	Yellow	SG120L-WH	White



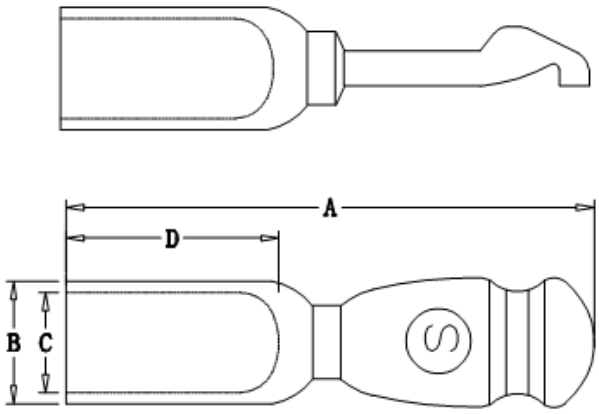
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2.Terminal

Part Number	-A-(mm)	-B-(mm)	-C-(mm)	-D-(mm)	Wire size	Current
SGD6811G2-T	48.5	10.8	8.7	22.7	2AWG	120A
SGD6811G4-T	48.5	10.8	7.5	22.7	4AWG	120A
SGD6811G6-T	48.5	10.8	5.6	22.7	6AWG	120A



Item	Name	QTY	Material	Remarks
1	Housing	1	PC	
2	Shrapnel	2	Stainless steel	
3	Terminal	2	Red copper	Ag-plating thickness

Remarks:
1. Please fax to us the CS when you confirmed.（Fax：0769-27280273）。
2. If the products listed in the book need to be re-opened for more than 1 year, please fax the copy to our company for confirmation.

Revision	Change the content	Date	Producer	Corrector	Approved
			Anne	Jack	David Xiao
			Proportion		1:1
			Unit		MM

SPECIFICATION

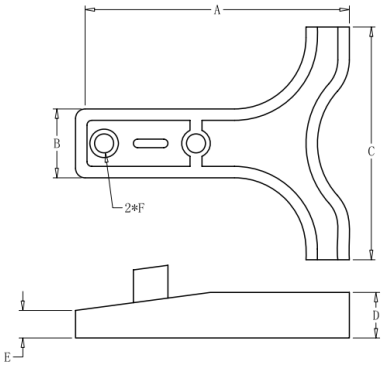
Product Name	Multipole power connector
Part No	SG120 Series

3.Handle

Part Number	-A-(mm)	-B-(mm)	-C-(mm)	-D-(mm)	-E-(mm)	-F-(mm)
SG112G1-RE	57.5	14.5	49	9.6	5.8	5.0
SG112G1-GY	57.5	14.5	49	9.6	5.8	5.0





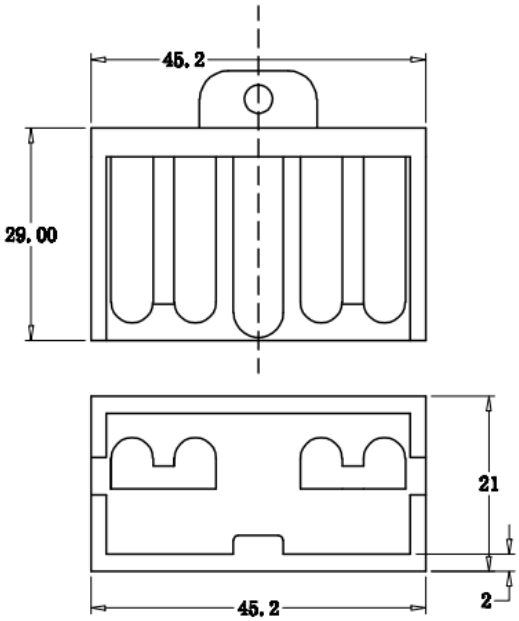


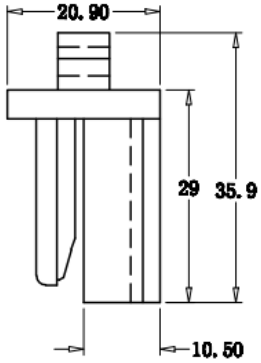
4. Dust cover:

Part Number
SG112F2-BL









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5. Dust cover:

Part Number
SG112F1-RE
SG112F1-BL





