



SPECIFICATION

Product Name

Multipole power connector

Part No

SG40 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): 40A

1-2.Rated voltage(Volts): 600V

1-3.contact Resistance($m\Omega$):200

1-6.Life:

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

b. With Load(Hot Plug 120 Cycles & 40A):To 250

1-7.Flammability:UL94 V-0

1-8.Average.Connection/disconnect(N): $65\pm 5N$

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

1-9.Contact Barrel Wire Size(AWG):10AWG~20AWG

1-10.Environment Temperatures($^{\circ}C$): $-20^{\circ}C$ --- $125^{\circ}C$

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 $1\mu m$

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: 100pcs/bag for connector; 200pcs/bag for terminal; mate with way: 1connector uses 2 terminal.

2.The products storage condition: temperature: $5-30^{\circ}C$,relative humidity:80%, store in no acidic nor alkaline and no corrosive atmosphere warehouse, storage period: 2years.

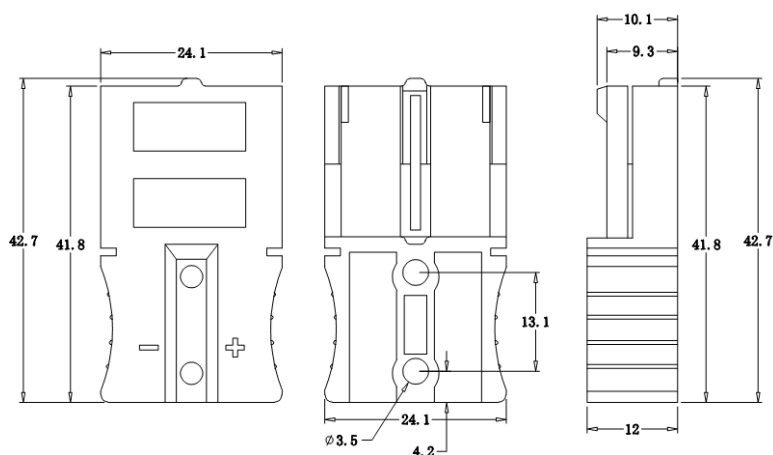
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四、Ordering Information

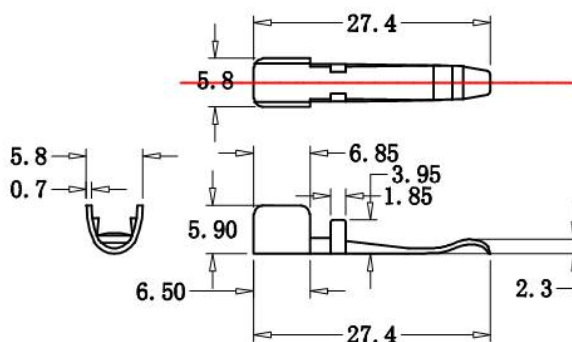
1.Housing

Part Number	Housing Color	Part Number	Housing Color
SG40H-BL	Black	SG40H-GR	Green
SG40H-BR	Brown	SG40H-BU	Blue
SG40H-RE	Red	SG40H-PU	Purple
SG40H-OR	Orange	SG40H-GY	Gray
SG40H-YE	Yellow	SG40L-WH	White



2.Terminal

Part Number	Wire	Plating
SD5912-T	10/16AWG	Ag



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

Revision	Change the content	Date	Producer	Corrector	Approved
R1		2018.4.24	Anne	Jack	David Xiao
			Proportion		1:1
			Unit		MM