

SA系列30A ~ 350A多极连接器

SA Series Multipole Power Connectors



Multipole Power Connectors



特征

- 防金属指
有助防止手指（或探针）接触工作中的端子
- 平扫式的接触系统
可在大电流下保持最小的接触电阻，在断开过程中产生的擦拭动作可清洁端子表面。
- 结构式颜色编码
避免两个带有不同电压编码颜色的胶壳误插
- 燕尾式模型
可单个连接，也可重叠多个连接
互换无公母设计
简易组装要求，减少元件库存

应用领域

本系列产品通过了严格的UL、CUL、CCC认证，可在物流通信、办公组合、UPS、移动产品、医疗设备、AC/DC电源等广大行业及全球大部分地区安全使用。

Features

- Finger proof
Helps prevent fingers (or probes) from accidentally touching live contacts
- Flat wiping contact system
Allow for minimal contact resistance at high current, wiping action cleans contact surface during disconnection
- Structured color-coded
Prevents accidental mating of components operating at different voltage levels
- Molded-in dovetails
Single or multiple contact are available
- Interchangeable genderless design
Makes assembly easy and reduces stock

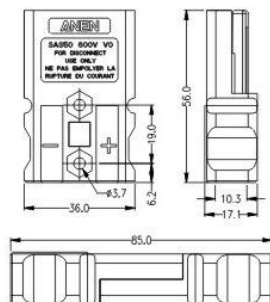
Applications

This series of products meets strict UL, CUL, CCC, certification which can be used safely in logistics communication, office panels, UPS systems, Electric vehicles, medical equipment, AC/DC power etc. of widely industry and the most area around world

技术参数 Technical Parameters

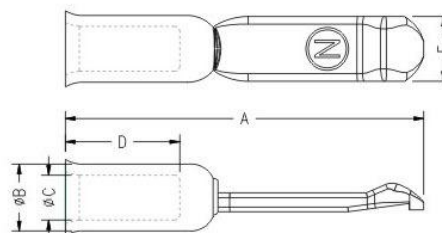
额定电流 (安培) / Rated current (Amperes)	50A
额定电压 (伏特) / Rated voltage (Volts)	600V
连接线径尺寸 (AWG) / Contact Barrel Wire Size (AWG)	06~12AWG
接触材料 / Contact material	铜、镀银 copper、Plate with silver
绝缘材料 / Insulation material	PC
防火等级 / Flammability	UL94 V-0
寿命/Life a.空载状态 (连接/断开次) Without load (Contact/Disconnect Cycles) b.负载状态 (热插拔250 & 120V) With Load (Hot Plug 250 Cycles & 120V)	To 10,000 50A
接触电阻(微欧) / average Contact Resistance (micro-ohms)	<180
绝缘电阻 / Insulation Resistance	5000MΩ
平均插拔力(牛顿) / average. Connection\disconnect(N)	65N
端子保持力 / Connector holding force (lbf)	250N Min
环境温度 (°C) / Environment Temperature (°C)	-20°C...+75°C

SAS50胶壳/SAS50 Housing



零件料号 Part Number	胶壳颜色 Housing Color
CFDS05000S	黑色Black
CFDS05001S	棕色Brown
CFDS05002S	红色Red
CFDS05003S	橙色Orange
CFDS05004S	黄色Yellow
CFDS05005S	绿色Green
CFDS05006S	蓝色Blue
CFDS05007S	紫色Purple
CFDS05008S	灰色Gray
CFDS05009S	白色White

端子/Terminal



零件料号Part number	-A- (mm)	-B- (mm)	-C- (mm)	-D- (mm)	-E- (mm)	线径/Wire
CTDC001B	37.6	7.0	5.6	12.0	6.8	6 AWG
CTDC002B	37.6	7.0	4.7	12.0	6.8	8 AWG
CTDC003B	37.6	7.0	3.5	12.0	6.8	10 & 12AWG

温升图/Temperature rise charts

