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BATTERY PROBE PRODUCT MANUAL



电池应用探针



Battery Probe

产品简介

此系列探针主要应用在圆柱、软包、方壳类锂电池生产阶段的化成、分容、测试类接触连接产品，有低电阻、高寿命、结构简单、快速更换高性价比等优点。

Product Introduction

This series of probes are mainly used in the production stage of cylindrical, soft and square shell lithium batteries, such as chemical, capacitive and test contact connection products. It has the advantages of low resistance, long life, simple structure, rapid replacement and high cost performance.

产品特点

- 最大电流：300A
- 低温升
- 高防火标准
- 使用寿命长

Product Features

- Maximum Current: 300A
- Low temperature rise
- High fire protection standard
- Long service life

应用范围

- 电池化成、分容设备
- 电池测试设备
- 电池烘干设备

Application

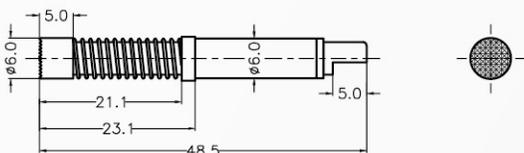
- Battery forming and capacity dividing equipment
- Battery test equipment
- Battery drying equipment

技术参数

电气性能 / Electrical Performance		机械性能 / Mechanical Performance	
额定电流 / Rated Current	0~300A	使用寿命 / Service Life	≥ 30000 Times
接触电阻 / Contact Resistance	≤10 mΩ	弹力公差范围 / Elasticity Tolerance Range	±10%
温升 / Temperature Rise	≤20°C	行程 / Travel Range	0~12mm
环境特性 / Environmental Characteristics		材料 / 表面处理 / Material/Surface Treatment	
温度范围 / Temperature Range	-40 °C to +120 °C	电流针 / Current Probe	Beryllium Copper/Phosphor Bronze/Brass Gold/Nickel Plating
冲击测试 / Shock Test	MILSTD-202, Method 213, Condition B	电压针 / Voltage Probe	Beryllium Copper/Phosphor Bronze/Brass Gold/Nickel Plating
震动测试 / Vibration Test	MILSTD-202, Method 204, Condition B	弹簧 / Spring	Piano Wire /Stainless Steel Gold/Nickel Plating
盐雾测试 / Salt Spray Test	Neutral Salt Spray 8h~48h	卡环 / Snap Ring	Stainless Steel/Brass Gold/Nickel Plating
防火等级 / Fire Rating	UL94V-0	塑胶 / Plastic	PA/PP/PBT --

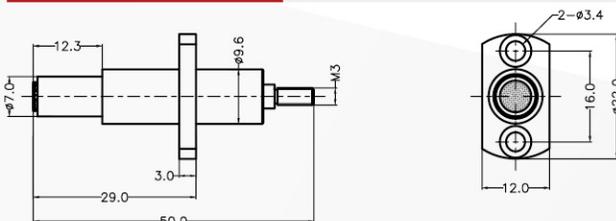
BP-6.0-S-48.5-F-60A

Body	Beryllium Copper, Gold Plating
Rated current	60A
5mm stroke elasticity	10N±10%
Travel range	0~8.5mm



BP-5.0-S-50.0-T-30A

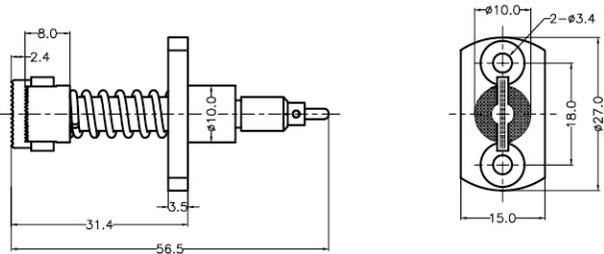
Body	Brass, Gold Plating
Rated current	30A
5mm stroke elasticity	10N±10%
Travel range	0~12mm



Battery Probe

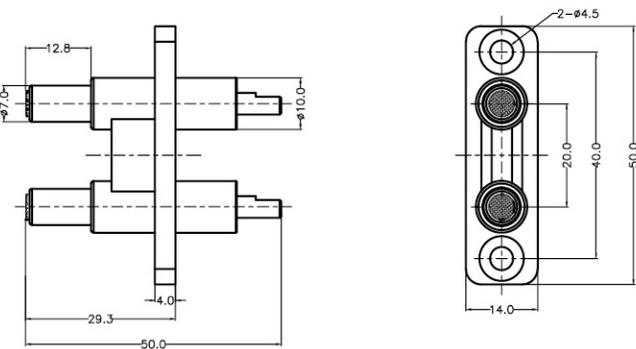
BP-10.0-S-56.5-F-30A

Body	Beryllium Copper, Gold Plating
Rated current	30A
5mm stroke elasticity	35N±10%
Travel range	0~10mm



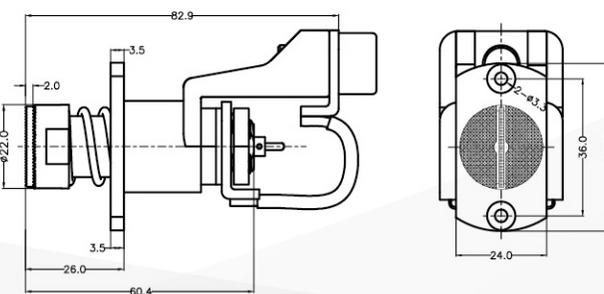
BP-5.0-D-50.0-F-15A

Body	Brass, Gold Plating
Rated current	15A
5mm stroke elasticity	21N±10%
Travel range	0~10mm



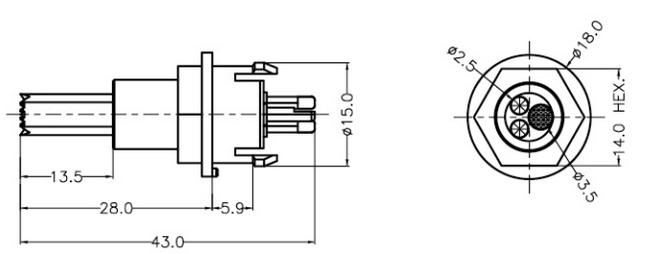
BP-22.0-S-82.9-F-200A

Body	Beryllium Copper, Gold Plating
Rated current	200A
5mm stroke elasticity	90N±10%
Travel range	0~10mm



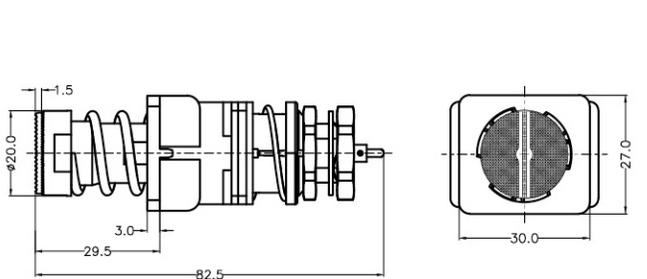
BP-3.5-T-43.0-F-6A

Body	Beryllium Copper, Gold Plating
Rated current	6A
5mm stroke elasticity	13N±10%
Travel range	0~9.5mm



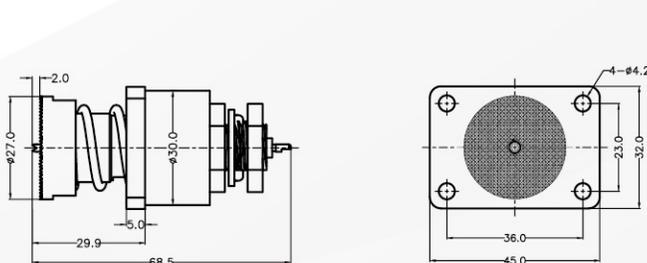
BP-20.0-S-82.5-F-120A

Body	Beryllium Copper, Gold Plating
Rated current	120A
5mm stroke elasticity	80N±10%
Travel range	0~10mm



BP-27.0-S-68.5-F-300A

Body	Beryllium Copper, Gold Plating
Rated current	300A
5mm stroke elasticity	120N±10%
Travel range	0~9.5mm



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