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<https://cnhuntec.en.alibaba.com>



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本手册中所附图片以供参考，实物以实际销售产品为准；
规格参数如有误差和变动，以本公司商务核实为准。
All images are reference only,any change without notification
previously.All details and data subject to our final confirmation.

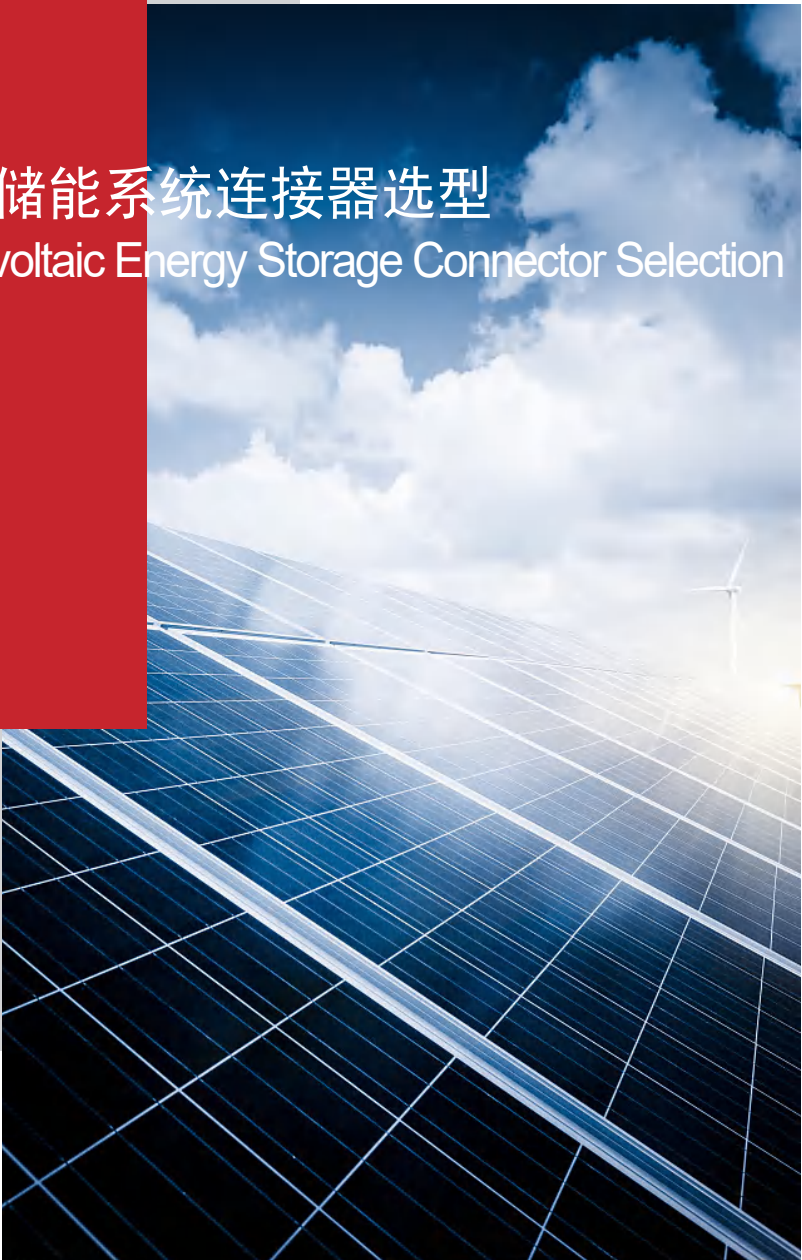
Photovoltaic Energy Storage Connector Selection

光伏储能系统连接器选型



光伏储能系统连接器选型

Photovoltaic Energy Storage Connector Selection



中国·航同
China Hunttec

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RES-P系列 储能连接器

Pole connector for energy storage

RES-P系列连接器主要用于光伏储能、电池组等的电极连接。

RES-P series mainly used for pole connection for photovoltaic energy storage, battery packs.

RES-P-...-2X...插拔型储能连接器/Plug-in energy storage connector



我们针对模块化储能电池系统推出的50A-400A系列储能连接器，满足客户各种布线接线需求

50A-400A series energy storage connector for modular energy storage battery systems, Meet the various wiring needs of customers

RES-P 储能连接器型号规格命名方法 Naming rules for energy storage connector models

RES - P - XX - D - B - XX - OG

- 颜色/Color:OG 橙色/Orange, BK 黑色/Black
- 改型代号/modified code:2X插拔型连接器
- 3X圆柱型螺钉式连接器
- 4X铜排型螺钉式连接器
- 连接形式/connection type, B:铜排式 / Busbar
- S: 螺柱型 / Screw
- C: 压接管/Crimp
- D:设备端/Device side;W:线端/ Wire side
- 电缆或铜排规格/Cable specification:16/25 ,35/50...
- 系列代码/Code:储能电极连接器 (高压连接器)
- Pole Connectors for Energy Storage system
- (high voltage connector)

RES-P-...-2X...插拔型储能连接器/Plug-in energy storage connector

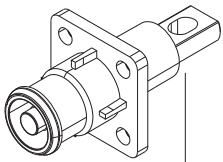
- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - IP等级：IP67
 - 污染等级：II
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC61984 UL1977
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Ingress Protection Rating：IP67
 - Pollution Degree：II
 - Flammability：UL94 V-0
 - Standard：IEC61984 UL1977



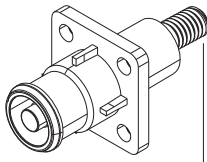
正极/Positive electrode

6mm 储能连接器/Energy storage connector

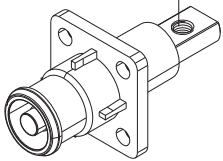
设备端接线形式 Device side Wiring form	设备端防呆键 Device side Keys	额定电流 Rated current	适用电缆截面 Applicable cable cross-section	极性 Polarity	颜色 Colour	设备端 Device side	线端 Wire side
腰型孔 slotted hole B-20	无防呆 without key	50A	10mm ²	+	橙色 OG	RES-P-10/25-D-B-20-OG	RES-P-10-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-20-BK	RES-P-10-W-C-20-BK
		80A	16mm ²	+	橙色 OG	RES-P-10/25-D-B-20-OG	RES-P-16-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-20-BK	RES-P-16-W-C-20-BK
		120A	25mm ²	+	橙色 OG	RES-P-10/25-D-B-20-OG	RES-P-25-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-20-BK	RES-P-25-W-C-20-BK
螺纹孔 screw B-21	无防呆 without key	50A	10mm ²	+	橙色 OG	RES-P-10/25-D-B-21-OG	RES-P-10-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-21-BK	RES-P-10-W-C-20-BK
		80A	16mm ²	+	橙色 OG	RES-P-10/25-D-B-21-OG	RES-P-16-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-21-BK	RES-P-16-W-C-20-BK
		120A	25mm ²	+	橙色 OG	RES-P-10/25-D-B-21-OG	RES-P-25-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-B-21-BK	RES-P-25-W-C-20-BK
螺钉 Screw type S-20	无防呆 without key	50A	10mm ²	+	橙色 OG	RES-P-10/25-D-S-20-OG	RES-P-10-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-S-20-BK	RES-P-10-W-C-20-BK
		80A	16mm ²	+	橙色 OG	RES-P-10/25-D-S-20-OG	RES-P-16-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-S-20-BK	RES-P-16-W-C-20-BK
		120A	25mm ²	+	橙色 OG	RES-P-10/25-D-S-20-OG	RES-P-25-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-S-20-BK	RES-P-25-W-C-20-BK
压接管 Crimp type C-20	无防呆 without key	50A	10mm ²	+	橙色 OG	RES-P-10/25-D-C-20-OG	RES-P-10-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-C-20-BK	RES-P-10-W-C-20-BK
		80A	16mm ²	+	橙色 OG	RES-P-10/25-D-C-20-OG	RES-P-16-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-C-20-BK	RES-P-16-W-C-20-BK
		120A	25mm ²	+	橙色 OG	RES-P-10/25-D-C-20-OG	RES-P-25-W-C-20-OG
				-	黑色 BK	RES-P-10/25-D-C-20-BK	RES-P-25-W-C-20-BK



RES-P-10/25-D-B-20-OG/BK
板接式（腰形孔）/Busbar type (slotted hole)

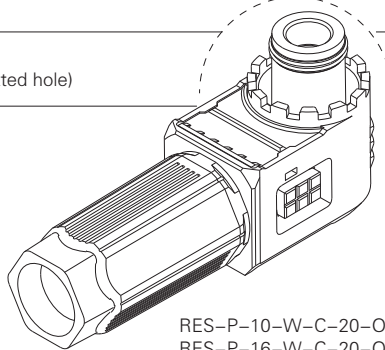


RES-P-10/25-D-S-20-OG/BK
螺钉式/Screw type



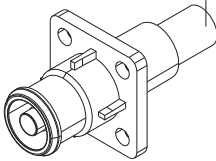
RES-P-10/25-D-B-21-OG/BK
板接式（螺纹孔）/Busbar type(Screw)

设备端/Device side



RES-P-10-W-C-20-OG/BK
RES-P-16-W-C-20-OG/BK
RES-P-25-W-C-20-OG/BK

线端/Wire side



RES-P-10/25-D-C-20-OG/BK
压接管式/Crimp type

设备端/Device side

RES-P-...-2X...插拔型储能连接器/Plug-in energy storage connector

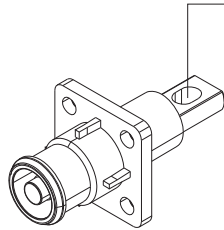
- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - IP等级：IP67
 - 污染等级：II
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC61984 UL4128
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Ingress Protection Rating：IP67
 - Pollution Degree：II
 - Flammability：UL94 V-0
 - Standard：IEC61984 UL4128



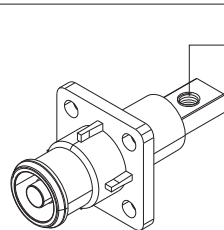
正极/Positive electrode

8mm 储能连接器/Energy storage connector

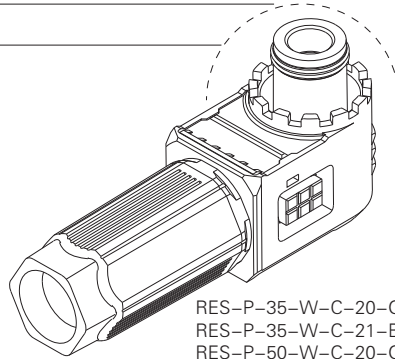
设备端接线形式 Device side Wiring form	设备端防呆键 Device side Keys	额定电流 Rated current	适用电缆截面 Applicable cable cross-section	极性 Polarity	颜色 Colour	设备端 Device side	线端 Wire side
腰型孔 slotted hole B-22	无防呆 without key	150A	35mm ²	+	橙色 OG	RES-P-35/50-D-B-22-OG	RES-P-35-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-22-BK	RES-P-35-W-C-21-BK
		200A	50mm ²	+	橙色 OG	RES-P-35/50-D-B-22-OG	RES-P-50-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-22-BK	RES-P-50-W-C-21-BK
螺纹孔 screw B-23	无防呆 without key	150A	35mm ²	+	橙色 OG	RES-P-35/50-D-B-23-OG	RES-P-35-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-23-BK	RES-P-35-W-C-21-BK
		200A	50mm ²	+	橙色 OG	RES-P-35/50-D-B-23-OG	RES-P-50-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-23-BK	RES-P-50-W-C-21-BK
腰型孔 slotted hole B-24	正极 Positive electrode 180° 负极 Negative electrode 90°	150A	35mm ²	+	橙色 OG	RES-P-35/50-D-B-24-OG	RES-P-35-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-24-BK	RES-P-35-W-C-21-BK
		200A	50mm ²	+	橙色 OG	RES-P-35/50-D-B-24-OG	RES-P-50-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-24-BK	RES-P-50-W-C-21-BK
螺纹孔 screw B-25	正极 Positive electrode 180° 负极 Negative electrode 90°	150A	35mm ²	+	橙色 OG	RES-P-35/50-D-B-25-OG	RES-P-35-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-25-BK	RES-P-35-W-C-21-BK
		200A	50mm ²	+	橙色 OG	RES-P-35/50-D-B-25-OG	RES-P-50-W-C-20-OG
				-	黑色 BK	RES-P-35/50-D-B-25-BK	RES-P-50-W-C-21-BK



RES-P-35/50-D-B-22/24-OG/BK
板接式（腰形孔）
Busbar type (slotted hole)



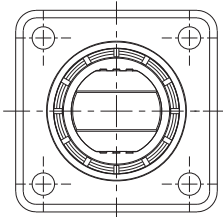
RES-P-35/50-D-B-23/25-OG/BK
板接式（螺纹孔）
Busbar type(Screw)



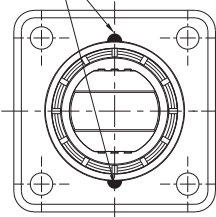
RES-P-35-W-C-20-OG
RES-P-35-W-C-21-BK
RES-P-50-W-C-20-OG
RES-P-50-W-C-21-BK

设备端/Device side

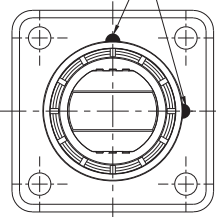
无防呆键 without key



正极防呆键 positive 180°key



负极防呆键 negative 90°key



线端/Wire side

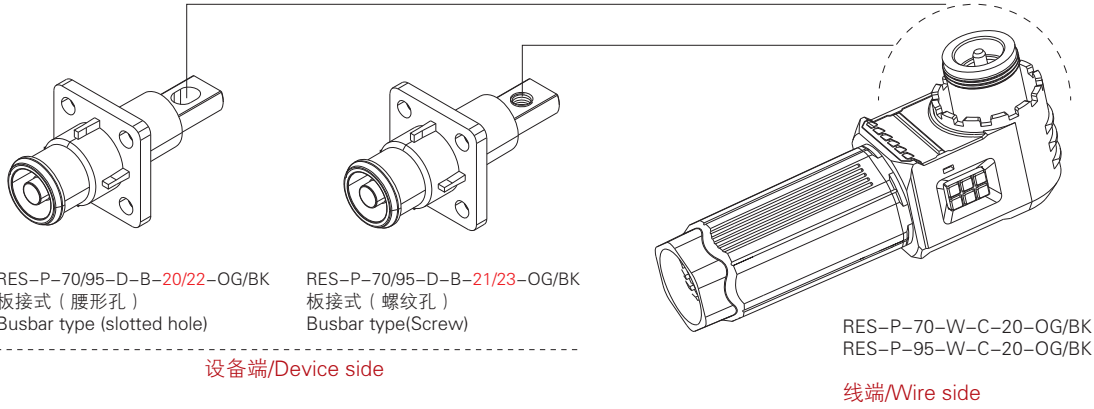
RES-P-...-2X...插拔型储能连接器系列/Plug-in energy storage connector

- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - IP等级：IP67
 - 污染等级：II
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC61984 UL4128
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Ingress Protection Rating：IP67
 - Pollution Degree：II
 - Flammability：UL94 V-0
 - Standard：IEC61984 UL4128



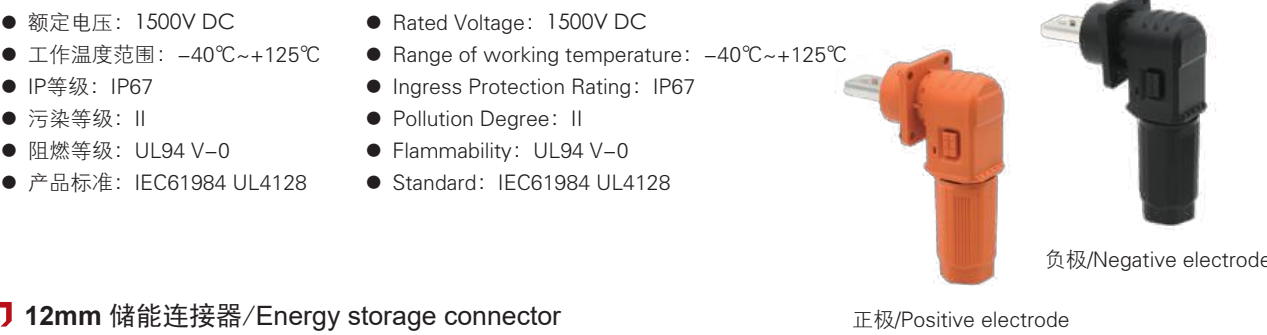
10mm 储能连接器/Energy storage connector

设备端接线形式 Device side Wiring form	设备端防呆键 Device side Keys	额定电流 Rated current	适用电缆截面 Applicable cable cross-section	极性 Polarity	颜色 Colour	设备端 Device side	线端 Wire side
腰型孔 slotted hole B-20	无防呆 without key	250A	70mm ²	+	橙色 OG	RES-P-70/95-D-B-20-OG	RES-P-70-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-20-BK	RES-P-70-W-C-20-BK
		300A	95mm ²	+	橙色 OG	RES-P-70/95-D-B-20-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-20-BK	RES-P-95-W-C-20-BK
螺纹孔 screw B-21	无防呆 without key	250A	70mm ²	+	橙色 OG	RES-P-70/95-D-B-21-OG	RES-P-70-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-21-BK	RES-P-70-W-C-20-BK
		300A	95mm ²	+	橙色 OG	RES-P-70/95-D-B-21-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-21-BK	RES-P-95-W-C-20-BK
腰型孔 slotted hole B-22	正极 Positive electrode 180° 负极 Negative electrode 90°	250A	70mm ²	+	橙色 OG	RES-P-70/95-D-B-22-OG	RES-P-70-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-22-BK	RES-P-70-W-C-20-BK
		300A	95mm ²	+	橙色 OG	RES-P-70/95-D-B-22-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-22-BK	RES-P-95-W-C-20-BK
螺纹孔 screw B-23	正极 Positive electrode 180° 负极 Negative electrode 90°	250A	70mm ²	+	橙色 OG	RES-P-70/95-D-B-23-OG	RES-P-70-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-23-BK	RES-P-70-W-C-20-BK
		300A	95mm ²	+	橙色 OG	RES-P-70/95-D-B-23-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-70/95-D-B-23-BK	RES-P-95-W-C-20-BK



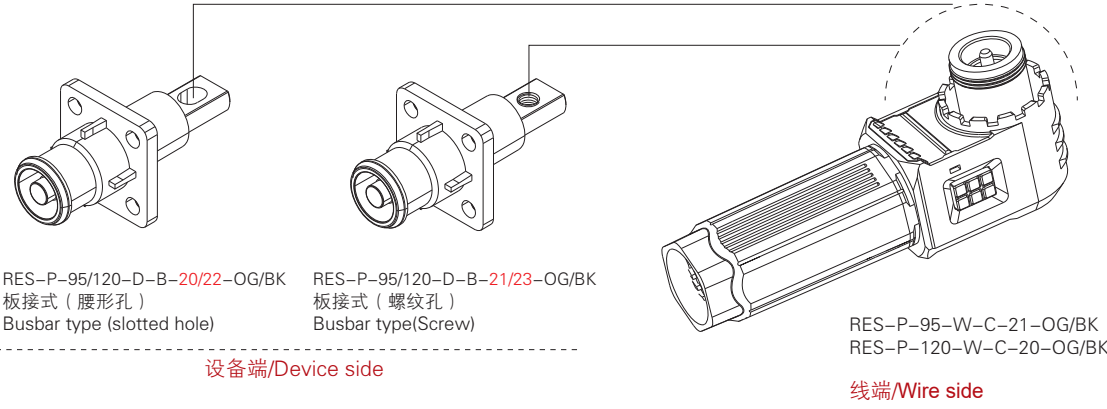
RES-P-...-2X...插拔型储能连接器系列/Plug-in energy storage connector

- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - IP等级：IP67
 - 污染等级：II
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC61984 UL4128
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Ingress Protection Rating：IP67
 - Pollution Degree：II
 - Flammability：UL94 V-0
 - Standard：IEC61984 UL4128



12mm 储能连接器/Energy storage connector

设备端接线形式 Device side Wiring form	设备端防呆键 Device side Keys	额定电流 Rated current	适用电缆截面 Applicable cable cross-section	极性 Polarity	颜色 Colour	设备端 Device side	线端 Wire side
腰型孔 slotted hole B-20	无防呆 without key	300A	95mm ²	+	橙色 OG	RES-P-95/120-D-B-20-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-20-BK	RES-P-95-W-C-20-BK
		350A	120mm ²	+	橙色 OG	RES-P-95/120-D-B-20-OG	RES-P-120-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-20-BK	RES-P-120-W-C-20-BK
螺纹孔 screw B-21	无防呆 without key	300A	95mm ²	+	橙色 OG	RES-P-95/120-D-B-21-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-21-BK	RES-P-95-W-C-20-BK
		350A	120mm ²	+	橙色 OG	RES-P-95/120-D-B-21-OG	RES-P-120-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-21-BK	RES-P-120-W-C-20-BK
腰型孔 slotted hole B-22	正极 Positive electrode 180° 负极 Negative electrode 90°	300A	95mm ²	+	橙色 OG	RES-P-95/120-D-B-22-OG	RES-P-95-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-22-BK	RES-P-95-W-C-20-BK
		350A	120mm ²	+	橙色 OG	RES-P-95/120-D-B-22-OG	RES-P-120-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-22-BK	RES-P-120-W-C-20-BK
螺纹孔 screw B-23	正极 Positive electrode 180° 负极 Negative electrode 90°	300A	95mm ²	+	橙色 OG	RES-P-95/120-D-B-23-OG	RES-P-95-W-C-21-OG
				-	黑色 BK	RES-P-95/120-D-B-23-BK	RES-P-95-W-C-21-BK
		350A	120mm ²	+	橙色 OG	RES-P-95/120-D-B-23-OG	RES-P-120-W-C-20-OG
				-	黑色 BK	RES-P-95/120-D-B-23-BK	RES-P-120-W-C-20-BK



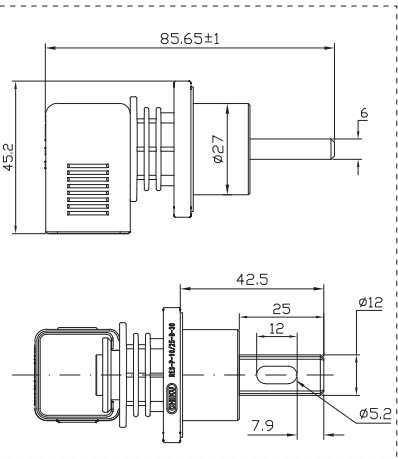
RES-P-...B-30系列 螺钉型储能连接器/Screw connector for Energy Storage system

- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - 污染等级：III
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC60947-7-1
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Pollution Degree：III
 - Flammability：UL94 V-0
 - Standard：IEC60947-7-1

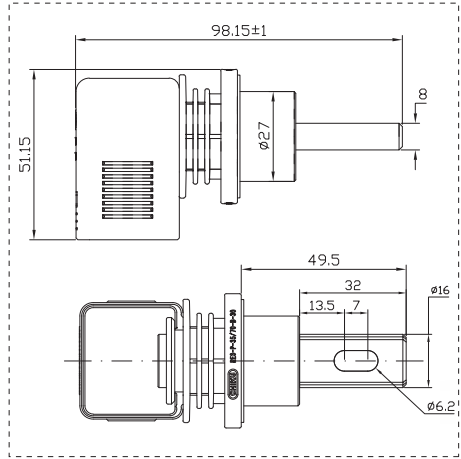


橙色 OG
黑色 BK

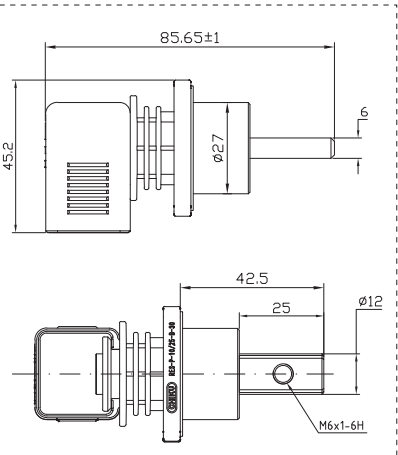
图示 Graphic	额定电流 Rated Current	型号 Type	主要特征差异 Major different feature
①	120A	RES-P-10/25-B-30-OG/BK	腰形孔 slotted hole
②	120A	RES-P-10/25-B-30(S)-OG/BK	螺纹孔 Screw hole
③	250A	RES-P-35/70-B-30-OG/BK	腰形孔 slotted hole
④	250A	RES-P-35/70-B-30(S)-OG/BK	螺纹孔 Screw hole



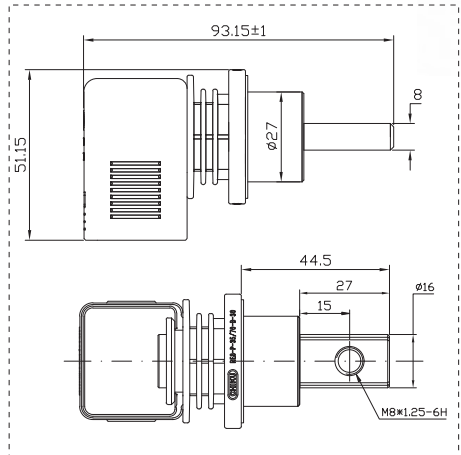
① RES-P-10/25-B-30-OG/BK



③ RES-P-35/70-B-30-OG/BK



② RES-P-10/25-B-30(S)-OG/BK



④ RES-P-35/70-B-30(S)-OG/BK



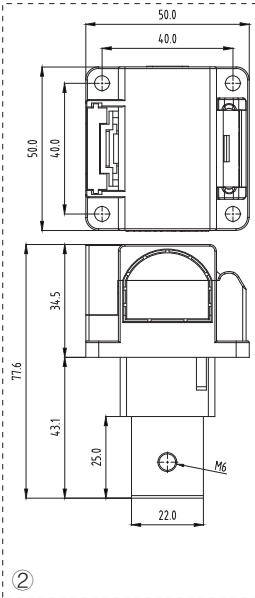
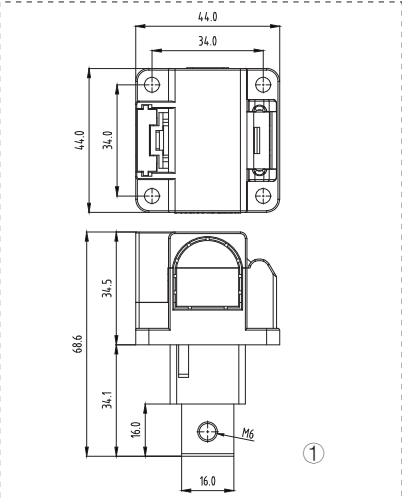
RES-P-...B-40系列 螺钉型储能连接器/Screw connector for Energy Storage system

- 额定电压：1500V DC
 - 工作温度范围：-40℃~+125℃
 - IP等级：IP5X
 - 污染等级：II
 - 阻燃等级：UL94 V-0
 - 产品标准：IEC61984
IEC60947
- Rated Voltage：1500V DC
 - Range of working temperature：-40℃~+125℃
 - Ingress Protection Rating：IP5X
 - Pollution Degree：II
 - Flammability：UL94 V-0
 - Standard：IEC61984
IEC60947

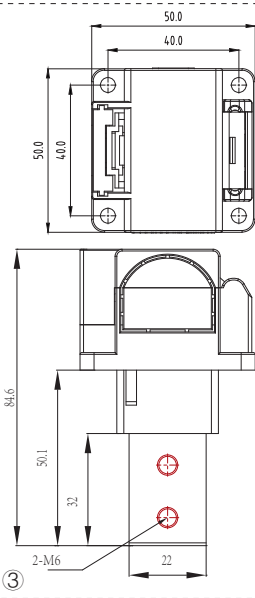


橙色 OG
黑色 BK

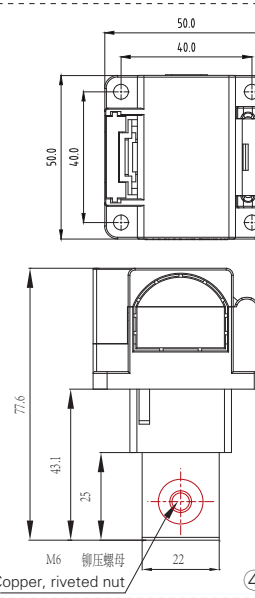
图示 Graphic	额定电流 Rated Current	型号 Type	主要特征差异 Major different feature
①	150A	RES-P-35-D-B-40-OG/BK	
②	200A	RES-P-35/50-D-B-40-OG/BK	
③	200A	RES-P-35/50-D-B-40-HS-OG/BK	2个螺纹孔/2 threaded holes
④	300A	RES-P-35/50-D-B-40-CU-OG/BK	紫铜款，铆压螺母/Copper, riveted nut
⑤	250A	RES-P-70/95-D-B-40-OG/BK	导体厚度/Conductor thickness:T=5
⑥	350A	RES-P-120/150-D-B-40-OG/BK	导体厚度/Conductor thickness:T=7



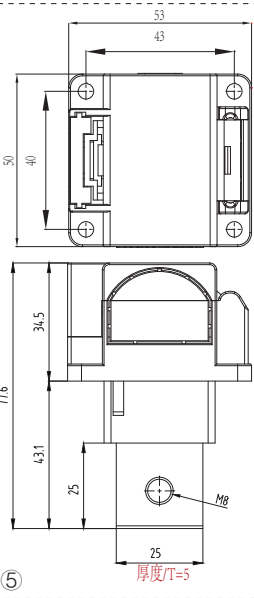
②



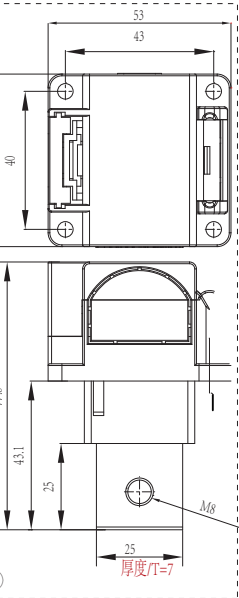
③



④
Copper, riveted nut



⑤
厚度T=5



⑥
厚度T=7

RES-C-X 堆叠连接器/Stack connector

- 浮动盲插结构（公母端通过导向柱进行对插，无需视觉）
- 耐冲击
- 端子可退
- Floating blind insertion structure (male and female ends are inserted through guide posts, no vision required)
- Impact resistance
- The terminal can be returned



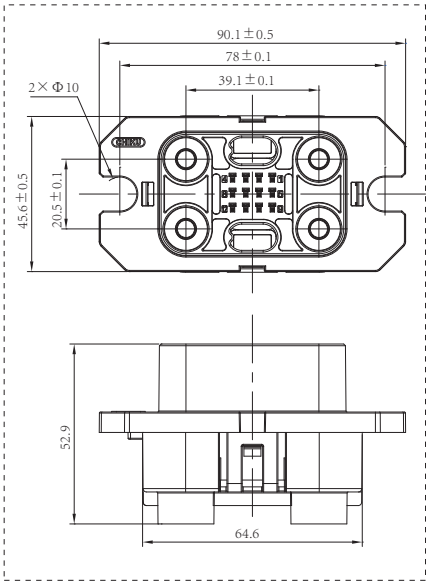
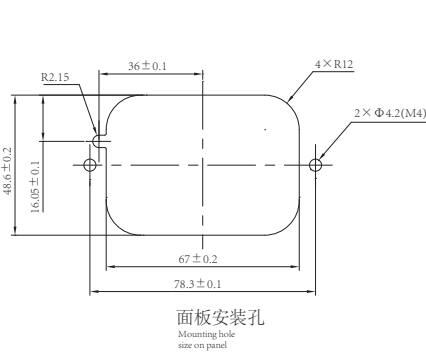
RES-C-25-M



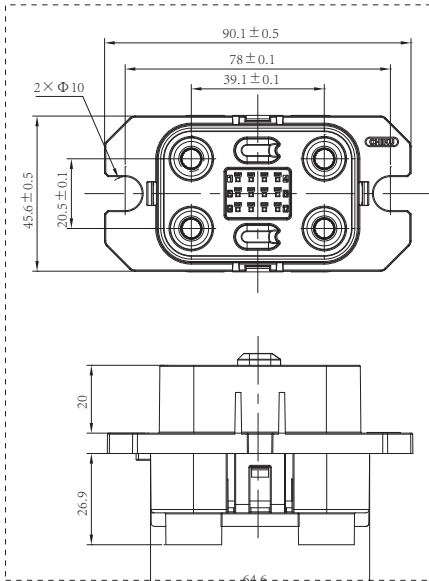
RES-C-25-F

堆叠连接器设备公端 Stack connector Male end of the device 堆叠连接器设备母端 Stack connector Female end of a device

说明/Description	颜色/Colour	型号/Type	型号/Type
连接器/Connector	■ 黑色	RES-C-25-M	RES-C-25-F
尺寸/Dimension			
外形尺寸/Dimensions	mm	见示意图/As diagram	见示意图/As diagram
安装尺寸/Installing size	mm	见示意图/As diagram	见示意图/As diagram
额定数据Rated data			
动力电压/Power Voltage	V	1000V	1000V
信号电压/Signal Voltage	V	300V	300V
动力电流/Power current	A	120A Max	120A Max
信号电流/Signal current	A	5A Max	5A Max
连接容量/Wiring range			
动力端子连接容量/Power terminal Wiring range	mm ²	10,16,25	10,16,25
信号端子连接容量/Signal terminal Wiring range	mm ²	0.5	0.5
其他数据Other data			
压线螺钉 Crimping screw/扭矩Crimping screw /N.m		M4: 1.0~1.5	M4: 1.0~1.5
	/N.m	...	...
	/N.m		
绝缘材料类型 Insulation material type		PA	PA
防护等级 Degree of protection		IP20	IP20
工作温度 Ambient temperature		-40℃~+125℃	-40℃~+125℃
污染等级 Class of pollution		2级 Grade II	2级 Grade II
根据GB30847 / UL94确定的阻燃等级		V 0	V 0
In accordance with GB30847/UL94			
执行标准/Standard		IEC 61984, UL1977	IEC 61984, UL1977



RES-C-25-M



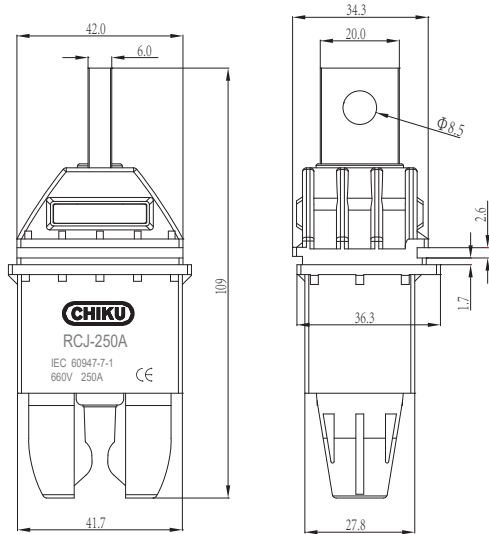
RES-C-25-F

RCJ-250A储能接插件（汇流型储能连接器）

Busbar connector for energy storage system



说明/Description	颜色/Colour	型号/Type
端子/Terminal	■ 黑色 BK	RCJ-250A
端子尺寸/Dimension		
外形尺寸（长/宽/高）	mm	37.5/46.3/109
Dimensions (length A/width B/height H)		
安装尺寸/Installation size	mm	见示意图/As diagram
额定数据		
电压/Voltage	V	AC660
电流/current	A	250
工作温度/Operating temperature：		-40℃~+105℃
绝缘材料类型/Insulation material		PA
根据GB30847 / UL94确定的阻燃等级		V0
In accordance with GB30847 / UL94		
执行标准/Standard		IEC60947-7-1 GB/T14048.7



RCJ-250A