

型号 MODEL: □DSIEC2b-EV16P □DSIEC2b-EV32P □DSIEC2b-EV63P



适配产品/Adapt Socket type: DSIEC2a-EV16S / 32S / 63S

主要性能及参数 Main performance parameters

产品特点 Product Features

- 符合 62196-2 IEC 2010 SHEET 2-IIb 标准
Meet the 62196-2 IEC 2010 SHEET 2-IIb standard
- 外形美观, 外形设计符合人体工程学原理, 插拔便捷。
Nice shape, Hand-held ergonomic design, Easy to use
- 插针头部采用安全绝缘设计, 防止人意外直接接触。
Safety design to prevent users from personal injury
- 优越防护性能, 防护等级达到IP54 (工作状态)
Protection class: IP54 (in mated conditions)
- 可靠性材料, 阻燃、环保、耐磨、耐候、耐冲击、高抗油、抗紫外线。
Reliability of materials, antiflaming, environmental protection, abrasion resistance, impact resistance, oil resistance and Anti-UV

电气性能 Electric Performance

- 额定工作电流: 16A或32A或63A
Rated current: 16A or 32A or 63A
- 工作电压: 250V AC
Operating voltage: 250V AC
- 绝缘电阻: > 1000MΩ (DC500V)
Insulation resistance: > 1000MΩ (DC500V)
- 端子温升: < 50K
Terminal temperature rise: < 50K
- 耐压: 2000V
Withstand voltage: 2000V
- 抗振性: 符合JDQ53.3 6.1.1-53.3 6.1.2要求
Vibration resistance: Meet JDQ 53.3 requirements
- 接触阻抗: 0.5mΩ Max
Contact impedance: 0.5mΩ Max

机械性能 Mechanical properties

- 机械寿命: 空载拔插 > 10000次
Mechanical life: no-load plug in/pull out > 10000 times
- 耦合时插拔力: 45N < F < 80N
Insertion and Extraction Force: 45N < F < 80N

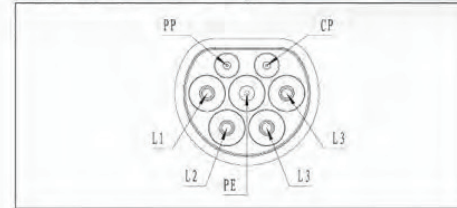
材料应用 Materials

- 外壳材料: 热塑性塑料, 阻燃等级UL94 V-0
Shell Material: Thermoplastic
(Insulator inflammability UL94 V0)
- 插针: 铜合金, 表面镀银+顶部热塑性塑料
Contact Pin: Copper alloy, silver or nickel plating
- 密封件: 橡胶或硅胶
Sealing gasket: rubber or silicon rubber

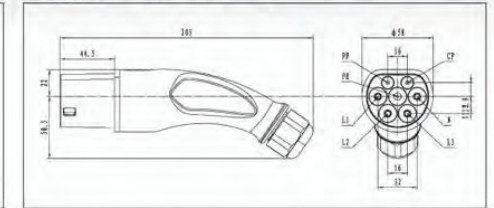
环境性能 Environmental performance

- 工作环境温度: -30℃ ~ +50℃
Operating temperature: -30℃ ~ +50℃

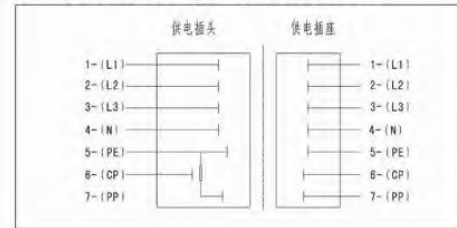
触头定义布置图 Insert arrangements



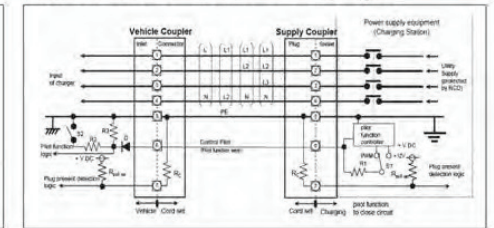
产品外形图 Product dimensions



连接界面示意图 Charging coupler interface



控制引导电路原理图 Schematic circuit diagram



触头参数及功能定义 Insert arrangements and functional definition

| 编号/标识 Mark | 功能定义 Functional definition |
|------------|------------------------------|
| 1- (L1) | 交流电源 AC power |
| 2- (L2) | 交流电源 AC power |
| 3- (L3) | 交流电源 AC power |
| 4- (N) | 中线 Neutra |
| 5- (PE) | 供电设备地/车辆底盘地 PE |
| 6- (CP) | 控制确认 Control confirmation |
| 7- (PP) | 连接确认 Connection Confirmation |

产品选型与标准配线 Model selection and the standard wiring

| 型号 Model | 触头数量 Number of inserts | 配线规格 Cable Spec. | 备注 Remark |
|---------------|------------------------|--|---|
| DSIEC2b-EV16P | 7 | 3*2.5mm ² +2*0.5mm ² | 电缆长度根据客户配置 The length of the cable can be customized |
| DSIEC2b-EV32P | 7 | 3*6mm ² +2*0.5mm ² | |
| DSIEC2b-EV63P | 7 | 3*16mm ² +2*0.5mm ² | |