

型号 Model: □V2-DSS-EV16S □V2-DSS-EV32S □V2-DSS-EV70S



适配产品/Adapt Socket type: V2-DSS-EV16P / 32P / 70P

## 主要性能及参数 Main performance parameters

### 产品特点 Product Features

- 符合SAE J1772 2010标准。  
Meet the SAE J1772 2010 standards
- 外形美观，翻盖采用按钮结构，方便可靠。  
Nice shape, the protective cover could be opened or closed by pressing a button, Easy to use
- 插头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

### 环境性能 Environmental performance

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

### 电气性能 Electric Performance

- 额定工作电流：16A或32A或70A  
Rated current: 16A or 32A or 70A
- 工作电压：120~240V AC  
Operating voltage: 120~240V 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
- 接触电阻：0.5mΩ Max  
Contact impedance: 0.5mΩ Max
- 抗振性：符合JDO53.3 6.1.1-53.3 6.1.2要求  
Vibration resistance: Meet JDO 53.3 requirements

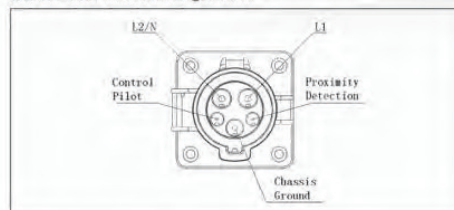
### 机械性能 Mechanical properties

- 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

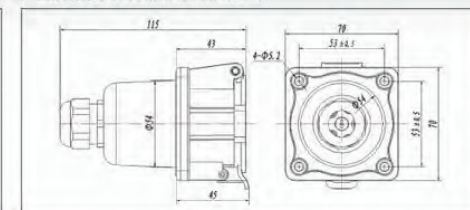
### 材料应用 Materials

- 外壳材料：热塑性塑料，阻燃等级UL94 V-0  
Shell Material: Thermoplastic  
(Insulator inflammability UL94 V0)
- 插套：铜合金，表面镀银  
Contact bush: Copper alloy, silver plating
- 密封件：橡胶或硅胶  
Sealing gasket: rubber or silicon rubber
- 开关卡钩：锌合金  
Switch hook: Zinc Alloy

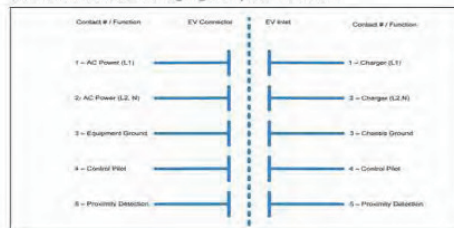
触头分布图 Insert arrangements



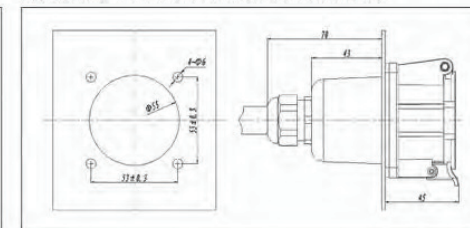
产品外形图 Product dimensions



接口界面示意图 Charging coupler interface



安装尺寸图 Product installation size and method



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

端子名称 Terminal name	功能定义 Functional definition
L1 (火线)	充电模式1与2中的相极 Live wire
L2/N (零线)	充电模式1与2中的中性级 Neutral wire
接地 Chassis Ground	电动汽车支架接地端 PE
控制确认 Control Pilot	主要控制信号端 Control Pilot
连接确认 Proximity Detection	连接确认信号端 Proximity Detection

### 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
V2-DSS-EV16S	5	3*2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup>	电缆长度根据客户配置 The length of the cable can be customized
V2-DSS-EV32S	5	3*6mm <sup>2</sup> +2*0.5mm <sup>2</sup>	
V2-DSS-EV70S	5	2*13.3mm <sup>2</sup> +1*10mm <sup>2</sup> +2*0.5mm <sup>2</sup>	