

型号 Model: □V2-DSS-EV16P □V2-DSS-EV32P □V2-DSS-EV70P



适配产品/Adapt Socket type: V2-DSS-EV16S / 32S / 70S

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,手持式设计符合人体工程学原理,插拔便捷。
Nice shape, Hand-held ergonomic design, Easy to use
- 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: $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$
Operating temperature: $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$

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: $> 1000\text{M}\Omega$ (DC500V)
Insulation resistance: $> 1000\text{M}\Omega$ (DC500V)
- 端子温升: $< 50\text{K}$
Terminal temperature rise: $< 50\text{K}$
- 耐压: 2000V
Withstand voltage: 2000V
- 接触电阻: $0.5\text{m}\Omega$ Max
Contact impedance: $0.5\text{m}\Omega$ Max
- 抗振性: 符合JIS5.3.3 6.1.1-53.3 6.1.2要求
Vibration resistance: Meet JIS 5.3.3 requirements

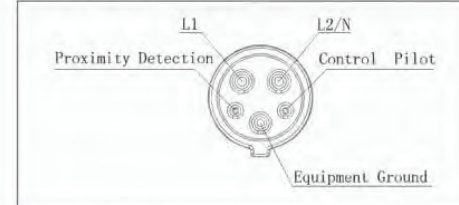
机械性能 Mechanical properties

- 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: $40\text{N} < F < 80\text{N}$
Insertion and Extraction Force: $40\text{N} < F < 80\text{N}$

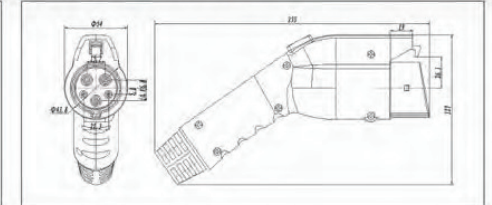
材料应用 Materials

- 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

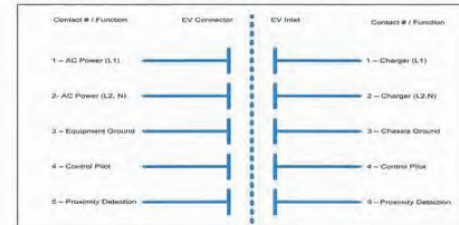
触头分布图 Insert arrangements



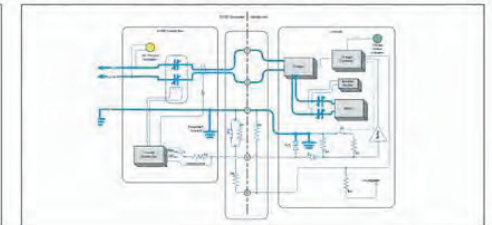
产品外形图 Product dimensions



接口界面示意图 Charging coupler interface



内部电路原理图 Schematic circuit diagram



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 Equipment Ground	充电设备接地端 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-EV16P	5	$3 \times 2.5\text{mm}^2 + 2 \times 0.5\text{mm}^2$	电缆长度根据客户配置 The length of the cable can be customized
V2-DSS-EV32P	5	$3 \times 6\text{mm}^2 + 2 \times 0.5\text{mm}^2$	
V2-DSS-EV70P	5	$2 \times 13.3\text{mm}^2 + 1 \times 10\text{mm}^2 + 2 \times 0.5\text{mm}^2$	