

技术规格书/Technical Specification

YGC1492-EV-P1P-200插头/YGC1492-EV-P1P-200 plug

• 产品概述/Product instruction



应用场景/Application

YG1492系列连接器是我司自主开发，具有知识产权的产品，产品360°全方向屏蔽，端接方式为压接，可应用于电池、电控、充电等。

The YG1492 Series Connector is independently developed by our company and holds intellectual property rights. The product features 360° omnidirectional shielding and uses crimping termination. It is suitable for applications such as batteries, electric control systems, and charging.

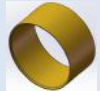
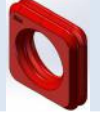
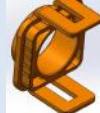
优势/Advantages

- ✓ 该产品可实现 360° 度全屏蔽；
The product can achieve 360-degree full shielding;
- ✓ 采用螺钉锁紧，锁紧方式可靠
Screw locking is adopted, and the locking method is reliable.
- ✓ 该产品端子转接为螺栓连接，接线方式为压接
The terminal transition of this product is bolt connection, and the wiring method is crimping.

• 订货信息/Ordering information

订货信息/Ordering information	
产品名称/ Product name	YGC1492-EV-P1P-200 插头壳体组件 YGC1492-EV-P1P-200 plug housing assembly
产品编号/ Product code	113010101059

订货信息（单独采购）/Ordering Information (Purchased separately)			
产品名称/ Product name	产品编号/ Product code	接线规格/ Wiring specification	图示（参考）/ Diagram (for reference)
YG1492 连接端子 YG1492 connection terminal	114020101257	屏蔽线 50mm ² (LV216) Shielded wire 50mm ² (LV216)	 
YG1492-50 接线端子 YG1492-50 Wiring terminal	114020101258	φ15.5±0.3mm	

YG196-459 屏蔽压套-50 YG196-459 Shield crimping sleeve - 50	114022600327	    
YG196-459 屏蔽压环-50 YG196-459 Shield crimping ring -50	114022600329	
YG1492-1 封线体 YG1492-1 cable seal	114050201148	
φ16.5 尾盖(橙) φ16.5 rear cover (orange)	114069805345	
M5×14 组合螺钉 M5×14 combination screw	114039804397	

• 技术数据/Technical data

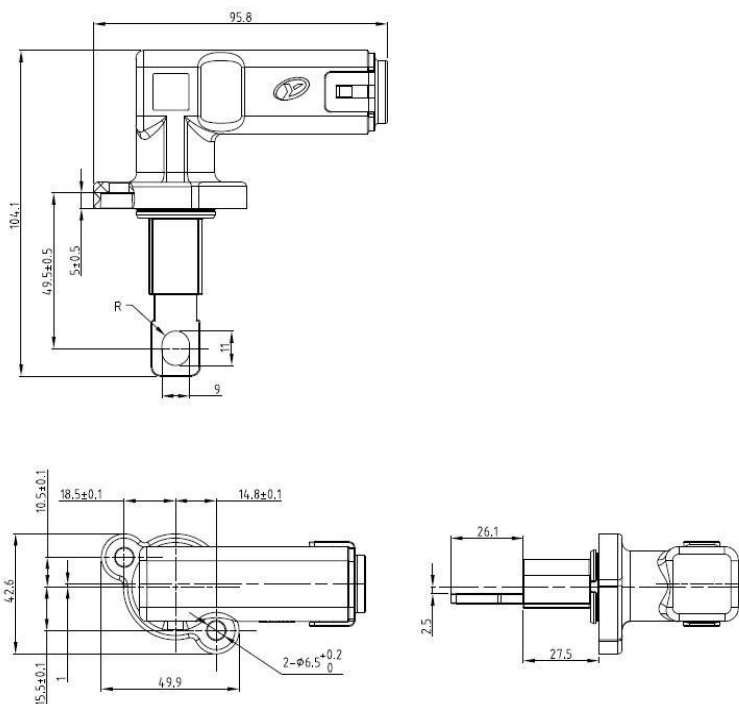
基本信息/Basic information	
芯数/Numbers of pins	1
出线方向/Cable outlet direction	90°
端接方式 (可选项) /Termination method (optional)	
端接方式/Termination method	压接/Crimping
配线规格/Wiring specifications	LV216
适配线缆/Compatible cable	屏蔽线 50mm ² (φ15.2-15.8mm)/Shielded wire 50mm ² (φ15.2-15.8mm)
电气性能/Electrical specification	
额定电压/Rated voltage	1000V
额定电流/Rated current	200A(Max)
绝缘电阻/Insulation resistance	≥200MΩ
耐电压/Withstand voltage	3000V(50Hz AC 常态)/3000V(50Hz AC normal state)
接触电阻	≤0.36mΩ
屏蔽连接电阻	R1≤3mΩ
机械性能/Mechanical specification	
机械寿命/Life cycle	≥50 次/times
振动/Vibration	V2(QC/T1067.1)
冲击/Shock	V2(QC/T1067.1)
耐环境性能/Environmental resistance specification	
工作温度/Ambient temperature	-40℃ ~ +125℃
相对湿度/Humidity range	95%(45℃时)/95% (at 40℃)
盐雾/Salt spray	480h
防护等级/IP rating	IP67&IP6K9K
海拔要求/Altitude	≤4000m
材料/涂覆/外观/Materials/Finish/Outline	
壳体/Shell	ADC12(本色)/ADC12 (natural color)

绝缘体/Insulator	PA66 640PG5C0R2(橙)/PA66 640PG5C0R2 (Orange)
针孔件/端子/Contacts	铜合金(镀银)/Copper alloy (silver-plated)
标准及认证/Standards and certifications	
阻燃等级/Flame retardant rating	UL94-V0(塑料),HB(橡胶)/UL94-V0 (plastic), HB (rubber)
环保要求/Environment requirements	ROSH2.0
执行标准	QJGAC 1230.093 、 QC/T1067.1

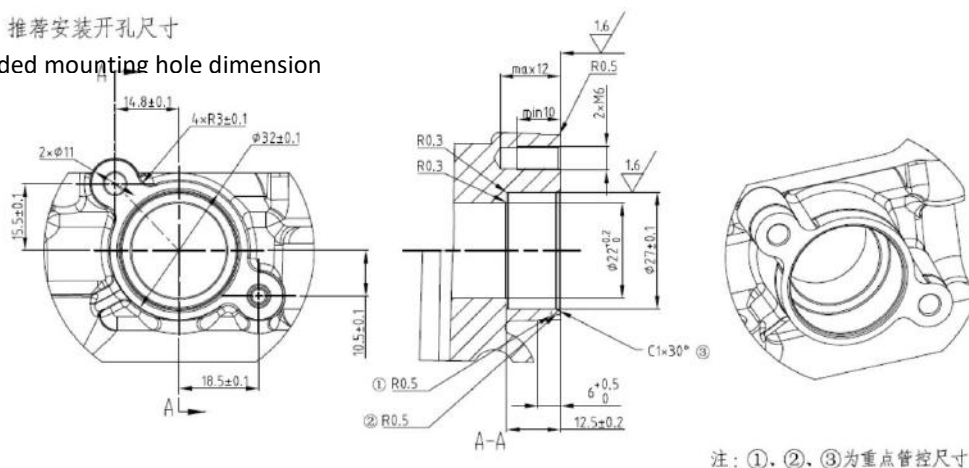
• 产品尺寸图及安装开孔尺寸/Product size & mounting hole dimension

插头: (示意图)

Plug: (schematic diagram)



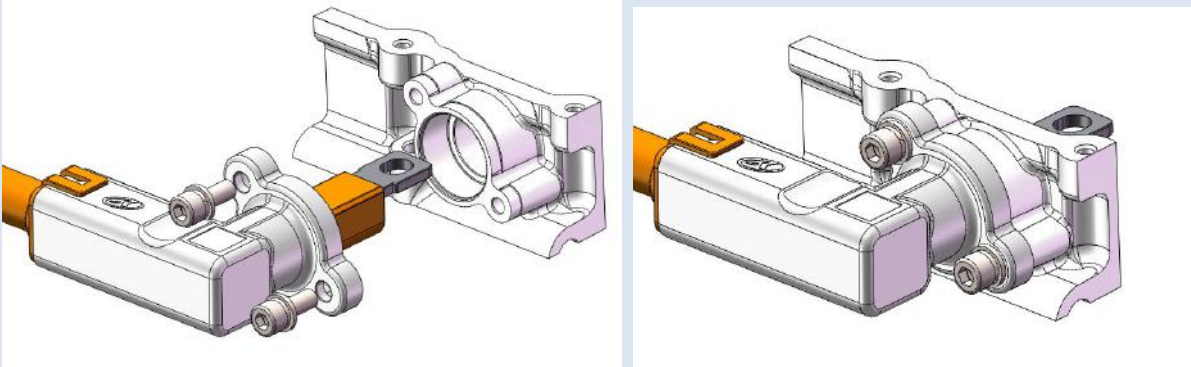
推荐安装开孔尺寸
Recommended mounting hole dimension



注: ①, ②, ③为重点管控尺寸

Note that ①②③ is a key controlled dimension.

• 安装说明/Installation

专用工具/Special tools	
拆卸工具/Disassembly tool	/
送针工具/Pin feeding tool	/
压接工具/Crimping tool	/
其他工具/Other tool	/
安装示意 (可选项) /Installation diagram (optional)	
	

• 包装/运输/储存 (可选项) /Packaging/Transportation/Storage (Optional)

包装储存说明/Packaging and storage instructions	
包装方式/Packaging	根据客户需求/Customized according to customer requirements
存放要求/Storage requirement	根据客户需求/Customized according to customer requirements
运输要求/ Transportation requirement	根据客户需求/Customized according to customer requirements