

技术规格书A0.1/Technical Specification A0.1

YGIPT2系列连接器/YGIPT2 Series Electrical Connectors - A0

• 产品概述/Product instruction

 应用场景/Application 电动汽车配电系统、电机、电机控制器等部位。 For use in electric vehicle power distribution systems, motors, motor controllers, and related components.	优势/Advantages ✓ 高抗振 High vibration resistance ✓ 适配线径范围广 Wide range of applicable wire diameters ✓ EMC 性能强 Strong EMC performance
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• 订货信息/Ordering information

订货信息/Ordering information		
产品名称/ Product name	YGIPT2 二芯电缆接头 YGIPT2 two-pin cable connector	YGIPT2 二芯电缆接头 YGIPT2 two-pin cable connector
产品编号/ Product code	YGIPT2-M2-1	YGIPT2-M2-2
接线规格 (屏蔽) / Wiring specification(shielding)	4mm ² : $\Phi 5.55 \pm 0.25$ mm	4mm ² : $\Phi 5.55 \pm 0.25$ mm
	6mm ² : $\Phi 6.25 \pm 0.25$ mm	6mm ² : $\Phi 6.25 \pm 0.25$ mm
	10mm ² : $\Phi 8.50 \pm 0.30$ mm	10mm ² : $\Phi 8.50 \pm 0.30$ mm

订货信息 (总成) / Ordering information (assembly)		订货信息 (零部件明细, 可单独采购) /Ordering information (parts details, can be purchased separately)				
		产品名称/ Product name	产品编码/ Product code	数量/ Qty	接线规格/ Wiring specification	图示 (参考) / Diagram (for reference)
YGIPT2-M2-1-4 电缆接头/	111009803650	YGIPT2-M2-1 壳体组件-4 YGIPT2-M2-1 housing assembly-4	113010101119	1	$\Phi 5.55 \pm 0.25$ mm (LV216)	

YGIPT2-M2-1-4 cable connector		YG196-537 屏蔽环 4 YG196-537 shielding ring 4	114022600505	2		
		YG196-537 屏蔽组件 2.5-6 YG196-537 shielding assembly 2.5-6	113029800579	2		
		Φ6.5 尾盖 Φ6.5 rear cover	114069805912	1		
		YGEV2-1 封线体-Φ3.9 YGEV2-1 cable sealy-Φ 3.9	114050501799	2		
YGIPT2-M2-1-6 电缆接头/ YGIPT2-M2-1-6 cable connector	111009803651	YGIPT2-M2-1 壳体组件-6 YGIPT2-M2-1 housing assembly-6	113010101120	1	Φ6.25±0.25mm (LV216)	
		YG196-537 屏蔽环 6 YG196-537 shielding ring 6	114022600506	2		
		YG196-537 屏蔽组件 2.5-6 YG196-537 shielding assembly 2.5-6	113029800579	2		
		Φ7.2 尾盖 Φ7.2 rear cover	114069805911	1		
		YGEV2-1 封线体-Φ4.8 YGEV2-1 cable sealy-Φ 4.8	114050501765	2		
YGIPT2-M2-1-10 电缆接头 / YGIPT2-M2-1-10 cable connector	111009803652	YGIPT2-M2-1 壳体组件-10 YGIPT2-M2-1 housing assembly-10	113010101121	1	Φ8.5±0.3mm (LV216)	
		YG196-537 屏蔽环 10 YG196-537 shielding ring 10	114022600507	2		
		YG196-537 屏蔽组件 10 YG196-537 shielding assembly 10	113029800580	2		
		Φ9.5 尾盖组件 Φ9.5 rear cover assembly	113069800632	1		

订货信息 (总成) / Ordering information (assembly)		订货信息 (零部件明细, 可单独采购) /Ordering information (parts details, can be purchased separately)				
		产品名称/ Product name	产品编码/ Product code	数量/ Qty	接线规格/ Wiring specification	图示 (参考) / Diagram (for reference)
YGIPT2-M2-2-4 电缆接头/	111009803653	YGIPT2-M2-2 壳体组件-4 YGIPT2-M2-2 housing	113010101122	1	Φ5.55±0.25mm (LV216)	

YGIPT2-M2-2-4 cable connector		assembly-4				
		YG196-537 屏蔽环 4 YG196-537 shielding ring 4	114022600505	2		
		YG196-537 屏蔽组件 2.5-6 YG196-537 shielding assembly 2.5-6	113029800579	2		
		Φ6.5 尾盖 Φ6.5 rear cover	114069805912	1		
		YGEV2-1 封线体-Φ3.9 YGEV2-1 cable sealy-Φ3.9	114050501799	2		
YGIPT2-M2-2-6 电缆接头/ YGIPT2-M2-2-6 cable connector	111009803654	YGIPT2-M2-2 壳体组件-6 YGIPT2-M2-2 housing assembly-6	113010101123	1	Φ6.25±0.25mm (LV216)	
		YG196-537 屏蔽环 6 YG196-537 shielding ring 6	114022600506	2		
		YG196-537 屏蔽组件 2.5-6 YG196-537 shielding assembly 2.5-6	113029800579	2		
		Φ7.2 尾盖 Φ7.2 rear cover	114069805911	1		
		YGEV2-1 封线体-Φ4.8 YGEV2-1 cable seal- Φ4.8	114050501765	2		
YGIPT2-M2-2-10 电缆接头 / YGIPT2-M2-2-10 cable connector	111009803655	YGIPT2-M2-2 壳体组件-10 YGIPT2-M2-2 housing assembly - 10	113010101124	1	Φ8.5±0.3mm (LV216)	
		YG196-537 屏蔽环 10 YG196-537 shielding ring 10	114022600507	2		
		YG196-537 屏蔽组件 10 YG196-537 shielding assembly 10	113029800580	2		
		Φ9.5 尾盖组件 Φ9.5 rear cover assembly	113069800632	1		

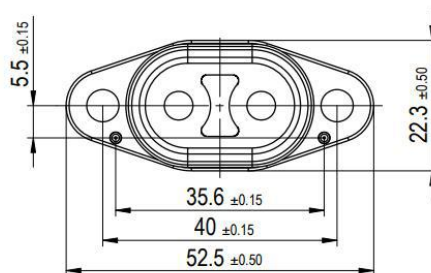
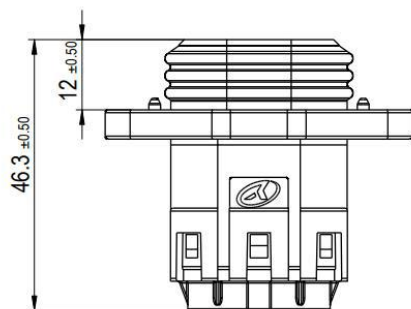
• 技术数据/Technical data

基本信息/Basic information	
PIN 距/PIN pitch	14.1mm
芯数/Numbers of pins	2
出线方向/Cable outlet direction	180°
壳体材质/Shell material	金属/Metal
屏蔽功能/Shielding function	是/Yes
电气性能/Electrical specification	

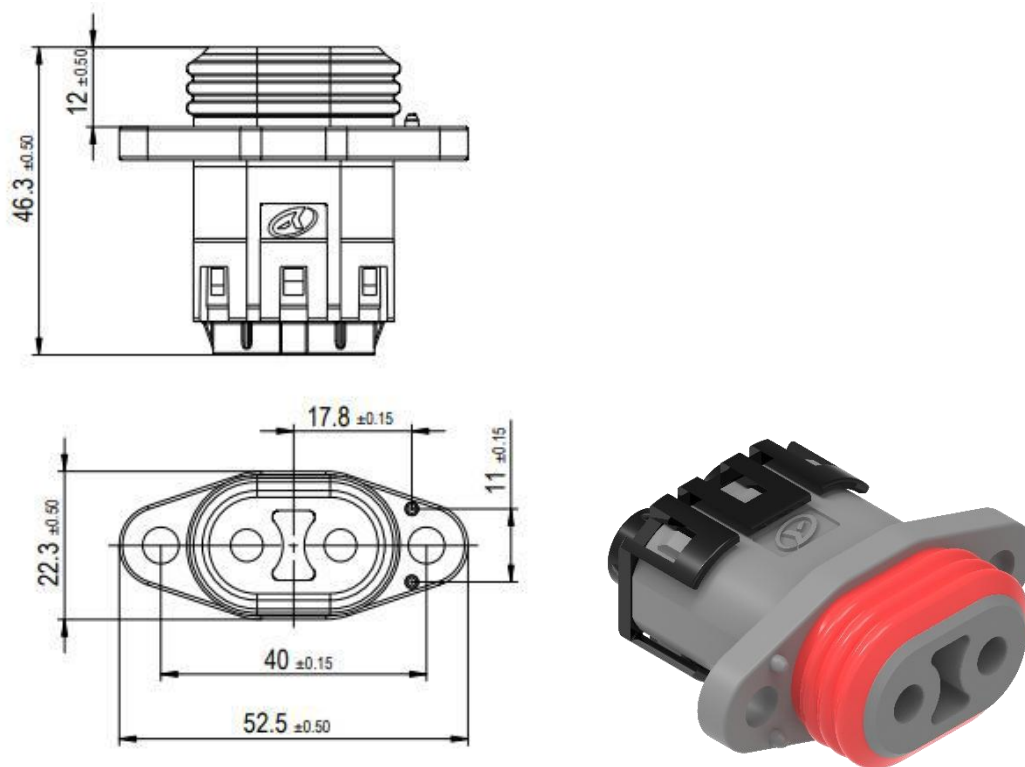
额定电压/Rated voltage	1000V DC
额定电流/Rated current	32A(4mm ²)、55A(6mm ²)、70A(10mm ²)
绝缘电阻/Insulation resistance	≥100MΩ
耐电压/Withstand voltage	3000 V AC
HVIL	否/No
机械性能/Mechanical specification	
振动/Vibration	USCAR V3
冲击/Shock	USCAR V3
耐环境性能/Environmental resistance specification	
工作温度/Ambient temperature	-40℃ ~ +140℃
相对湿度/Humidity range	95% (40℃时) / 95% (at 40℃)
盐雾/Salt spray	720h
防护等级/IP rating	IP67、IP6K9K
污染等级/Pollution level	2
海拔要求/Altitude	≤5000m
材料/涂覆/外观/Materials/Finish/Outline	
壳体/Shell	ADC12
屏蔽/Shielding	铜合金/Copper alloy
标准及认证/Standards and certifications	
阻燃等级/Flame retardant rating	UL94 V-0(塑料)、HB(橡胶)/ UL94 V-0 (plastic), HB (rubber)
环保要求/Environment requirements	RoHS 2.0、ELV

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

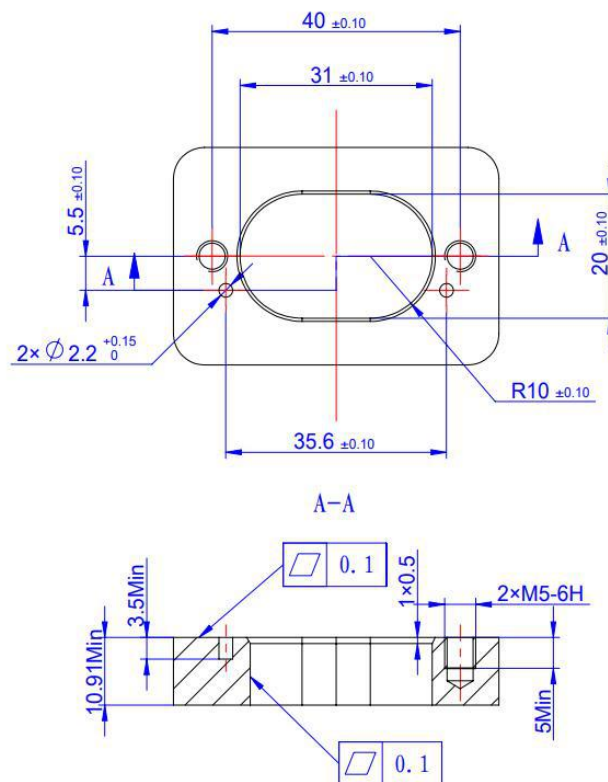
1.YGIPT2-M2-1



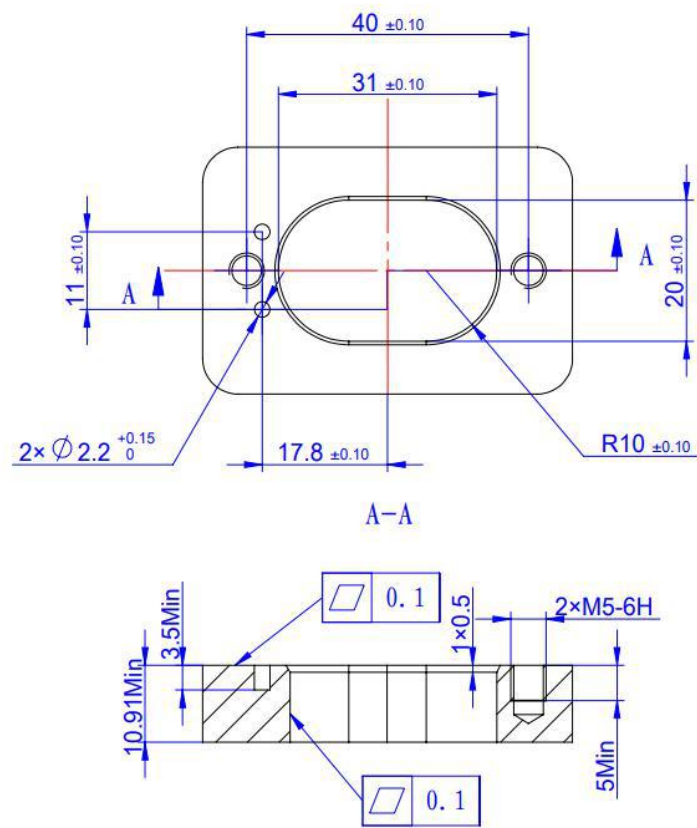
2.YGIPT2-M2-2



3.YGIPT2-M2-1 的推荐开孔尺寸/Recommended panel cutout size for YGIPT2-M2-1



4.YGIPT2-M2-2 的推荐开孔尺寸/Recommended panel cutout size for YGIPT2-M2-2



• 储存/Storage

包装储存&转运说明/Storage& transportation	
存放要求/ Storage requirement	接触件（镀金、镀银）类零部件必须单独保存，保持整洁、干净、通风。存储环境应控制在湿度≤60%、温度在5~30℃。参考保存期 6 个月。 Components with contact elements (gold-plated, silver-plated) must be stored separately, kept clean, tidy and in a well-ventilated environment. The storage environment shall be controlled with a humidity of ≤60% and a temperature ranging from 5℃ to 30℃. The reference storage period is 6 months.
运输要求/ Transportation requirement	端子在包装、运输、转运和生产、装配过程中应避免碰撞、接触腐蚀性气体和液体、以及手直接接触等，以保证端子接触表面良好。 During packaging, transportation, transfer, production, and assembly processes, terminals shall be protected from collisions, contact with corrosive gases and liquids, and direct hand contact, so as to ensure the good condition of the terminal contact surfaces.