

技术规格书A0.6/Technical Specification A0.6

YGIPT5系列电连接器/YGIPT5 Series Electrical Connectors

• 产品概述/Product instruction

 应用场景/Application YGIPT5 系列连接器为堵头形式的接线器，为过孔穿线形式，适用于电动汽车电气设备的出线防护。 The YGIPT5 series connectors are sealing plug type wire connectors, designed for through-panel cable passage, providing outlet protection for electric vehicle electrical equipment.	优势/Advantages ✓ 安装方便性能可靠 Easy to install and reliable in performance ✓ 适配线径范围广 Wide range of applicable wire diameters ✓ 产品密封性能良好 Good sealing performance of the product
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• 订货信息/Ordering information

订货信息/Ordering information		
产品名称/ Product name	产品编号/ Product code	接线规格/ Wiring specification
YGIPT5	YGIPT5-P1	35mm ² : $\Phi 14.10 \pm 0.30$ mm 50mm ² : $\Phi 15.50 \pm 0.30$ mm 70mm ² : $\Phi 17.80 \pm 0.40$ mm
	YGIPT5-P2	
	YGIPT5-P2B	
	YGIPT5-P3	

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)
YGIPT5-P1-70	111009803785	YGIPT5-P1 壳体组件 2 YGIPT5-P1 housing assembly 2	113069800770	1	$\Phi 17.80 \pm 0.40$ mm (LV216)	
		YGIPT5 屏蔽组件-70 YGIPT5 shielding assembly -	113029800618	1		

		70				
		YGEV5 屏蔽件-内-70 YGEV5 shielding - inner - 70	114029801926	1		
		YGIPT5-1 封线体-70 YGIPT5-1 cable seal - 70	114050502200	1		
		Φ18.4 尾盖(黑) Φ18.4 rear cover (black)	114069806290	1		
		线夹 R9.25(黑) Cable clamp R9.25 (black)	114069806291	1		
		Φ25.6×Φ18.5×1 垫片 Φ25.6×Φ18.5×1 washer	114019802129	1		
						
YGIPT5-P1-50	111009803788	YGIPT5-P1 壳体组件 2 YGIPT5-P1 housing assembly 2	113069800770	1	Φ15.50±0.30 mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly-50	113029800619	1		
		YG196-459 屏蔽环 A-50 YG196-459 shielding ring A-50	114022600601	1		
		YGIPT5-1 封线体-50 YGIPT5-1 cable seal-50	114050502244	1		
		Φ16 尾盖(黑) Φ16 rear cover (black)	114069806433	1		
		线夹 R8.05(黑) Cable clamp R8.05 (black)	114069806434	1		
		Φ25.6×Φ16.1×1 垫片 Φ25.6×Φ16.1×1 washer	114019802167	1		
YGIPT5-P1-35	111009803789	YGIPT5-P1 壳体组件 2 YGIPT5-P1 housing assembly 2	113069800770	1	Φ14.10±0.30 mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly - 50	113029800619	1		
		YG196-459 屏蔽压环-35 YG196-459 shielding ring - 35	114022600328	1		
		YGIPT5-1 封线体-35 YGIPT5-1 cable seal - 35	114050502246	1		
		Φ14.6 尾盖(黑) Φ14.6 rear cover (black)	114069806437	1		
		线夹 R7.35(黑) Cable clamp R7.35 (black)	114069806438	1		
		Φ25.6×Φ14.7×1 垫片 Φ25.6×Φ14.7×1 washer	114019802169	1		

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YGIPT5-P2-70	111009803576	YGIPT5-P2 壳体组件 2 YGIPT5-P2 housing assembly 2	113069800691	1	$\Phi 17.80 \pm 0.40$ mm (LV216)	
		YGIPT5 屏蔽组件-70 YGIPT5 shielding assembly - 70	113029800618	2		
		YGEV5 屏蔽件-内-70 YGEV5 shielding - inner - 70	114029801926	2		
		YGIPT5-1 封线体-70 YGIPT5-1 cable seal - 70	114050502200	2		
		$\Phi 18.4$ 尾盖(黑) $\Phi 18.4$ rear cover (black)	114069806290	2		
		线夹 R9.25(黑) Cable clamp R9.25 (black)	114069806291	2		
		$\Phi 25.6 \times \Phi 18.5 \times 1$ 垫片 $\Phi 25.6 \times \Phi 18.5 \times 1$ washer	114019802129	2		
YGIPT5-P2-50	111009803572	YGIPT5-P2 壳体组件 2 YGIPT5-P2 housing assembly 2	113069800691	1	$\Phi 15.50 \pm 0.30$ mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly-50	113029800619	2		
		YG196-459 屏蔽环 A-50 YG196-459 shielding ring A-50	114022600601	2		
		YGIPT5-1 封线体-50 YGIPT5-1 cable seal-50	114050502244	2		
		$\Phi 16$ 尾盖(黑) $\Phi 16$ rear cover (black)	114069806433	2		
		线夹 R8.05(黑) Cable clamp R8.05 (black)	114069806434	2		
		$\Phi 25.6 \times \Phi 16.1 \times 1$ 垫片 $\Phi 25.6 \times \Phi 16.1 \times 1$ washer	114019802167	2		
YGIPT5-P2-35	111009803574	YGIPT5-P2 壳体组件 2 YGIPT5-P2 housing assembly 2	113069800691	1	$\Phi 14.10 \pm 0.30$ mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly - 50	113029800619	2		

		YG196-459 屏蔽压环-35 YG196-459 shielding ring - 35	114022600328	2		
		YGIPT5-1 封线体-35 YGIPT5-1 cable seal - 35	114050502246	2		
		Φ14.6 尾盖(黑) Φ14.6 rear cover (black)	114069806437	2		
		线夹 R7.35(黑) Cable clamp R7.35 (black)	114069806438	2		
		Φ25.6×Φ14.7×1 垫片 Φ25.6×Φ14.7×1 washer	114019802169	2		

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YGIPT5-P3-70	111009803577	YGIPT5-P3 壳体组件 2 YGIPT5-P3 housing assembly 2	113069800692	1	Φ17.80±0.40 mm (LV216)	
		YGIPT5 屏蔽组件-70 YGIPT5 shielding assembly - 70	113029800618	3		
		YGEV5 屏蔽件-内-70 YGEV5 shielding - inner - 70	114029801926	3		
		YGIPT5-1 封线体-70 YGIPT5-1 cable seal - 70	114050502200	3		
		Φ18.4 尾盖(黑) Φ18.4 rear cover (black)	114069806290	3		
		线夹 R9.25(黑) Cable clamp R9.25 (black)	114069806291	3		
		Φ25.6×Φ18.5×1 垫片 Φ25.6×Φ18.5×1 washer	114019802129	3		
YGIPT5-P3-50	111009803573	YGIPT5-P3 壳体组件 2 YGIPT5-P3 housing assembly 2	113069800692	1	Φ15.50±0.30 mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly - 50	113029800619	3		
		YG196-459 屏蔽环 A-50 YG196-459 shielding ring A - 50	114022600601	3		
		YGIPT5-1 封线体-50 YGIPT5-1 cable seal - 50	114050502244	3		

		Φ16 尾盖(黑) Φ16 rear cover (black)	114069806433	3		
		线夹 R8.05(黑) Cable clamp R8.05 (black)	114069806434	3		
		Φ25.6×Φ16.1×1 垫片 Φ25.6×Φ16.1×1 washer	114019802167	3		
YGIPT5-P3-35	111009803575	YGIPT5-P3 壳体组件 2 YGIPT5-P3 housing assembly 2	113069800692	1	Φ14.10±0.30 mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly - 50	113029800619	3		
		YG196-459 屏蔽压环-35 YG196-459 shielding ring - 35	114022600328	3		
		YGIPT5-1 封线体-35 YGIPT5-1 cable seal - 35	114050502246	3		
		Φ14.6 尾盖(黑) Φ14.6 rear cover (black)	114069806437	3		
		线夹 R7.35(黑) Cable clamp R7.35 (black)	114069806438	3		
		Φ25.6×Φ14.7×1 垫片 Φ25.6×Φ14.7×1 washer	114019802169	3		

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YGIPT5-P2B-70	111009803579	YGIPT5-P2B 壳体组件 2 YGIPT5-P2B housing assembly 2	113069800724	1	Φ17.80±0.40 mm (LV216)	
		YGIPT5 屏蔽组件-70 YGIPT5 shielding assembly - 70	113029800618	2		
		YGEV5 屏蔽件-内-70 YGEV5 shielding - inner - 70	114029801926	2		
		YGIPT5-1 封线体-70 YGIPT5-1 cable seal - 70	114050502200	2		
		Φ18.4 尾盖(黑) Φ18.4 rear cover (black)	114069806290	2		
		线夹 R9.25(黑) Cable clamp R9.25 (black)	114069806291	2		
		Φ25.6×Φ18.5×1 垫片 Φ25.6×Φ18.5×1 washer	114019802129	2		

YGIPT5-P2B-50	111009803571	YGIPT5-P2B 壳体组件 2 YGIPT5-P2B housing assembly 2	113069800724	1	$\Phi 15.50 \pm 0.30$ mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly-50	113029800619	2		
		YG196-459 屏蔽环 A-50 YG196-459 shielding ring A-50	114022600601	2		
		YGIPT5-1 封线体-50 YGIPT5-1 cable seal-50	114050502244	2		
		$\Phi 16$ 尾盖(黑) $\Phi 16$ rear cover (black)	114069806433	2		
		线夹 R8.05(黑) Cable clamp R8.05 (black)	114069806434	2		
		$\Phi 25.6 \times \Phi 16.1 \times 1$ 垫片 $\Phi 25.6 \times \Phi 16.1 \times 1$ washer	114019802167	2		
YGIPT5-P2B-35	111009803578	YGIPT5-P2B 壳体组件 2 YGIPT5-P2B housing assembly 2	113069800724	1	$\Phi 14.10 \pm 0.30$ mm (LV216)	
		YGIPT5 屏蔽组件-50 YGIPT5 shielding assembly - 50	113029800619	2		
		YG196-459 屏蔽压环-35 YG196-459 shielding ring - 35	114022600328	2		
		YGIPT5-1 封线体-35 YGIPT5-1 cable seal - 35	114050502246	2		
		$\Phi 14.6$ 尾盖(黑) $\Phi 14.6$ rear cover (black)	114069806437	2		
		线夹 R7.35(黑) Cable clamp R7.35 (black)	114069806438	2		
		$\Phi 25.6 \times \Phi 14.7 \times 1$ 垫片 $\Phi 25.6 \times \Phi 14.7 \times 1$ washer	114019802169	2		

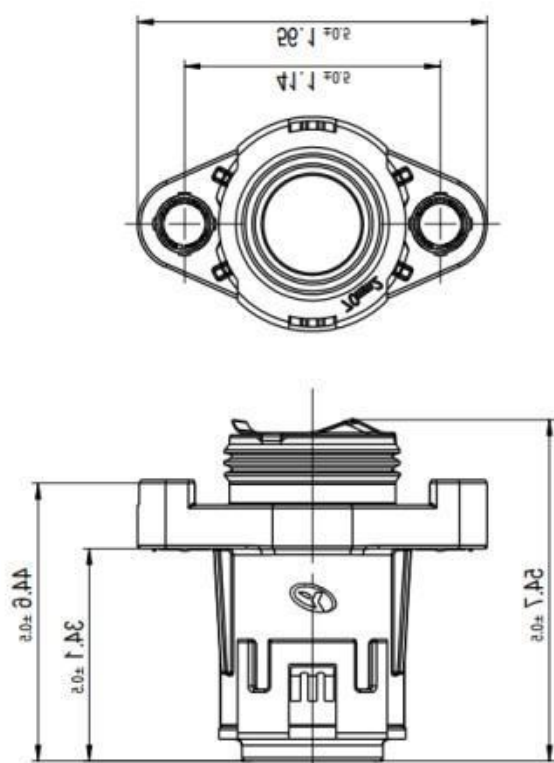
• 技术数据/Technical data

基本信息/Basic information	
PIN 距/Pin pitch	33mm
芯数/Numbers of pins	1/2/3
出线方向/Cable outlet direction	180°
壳体材质/Shell material	塑料/Plastic
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	200A(35mm ²)、250A(50mm ²)、300A(70mm ²)

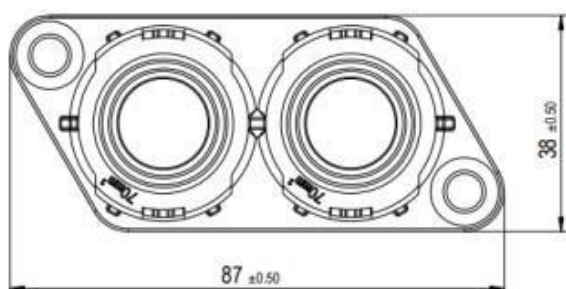
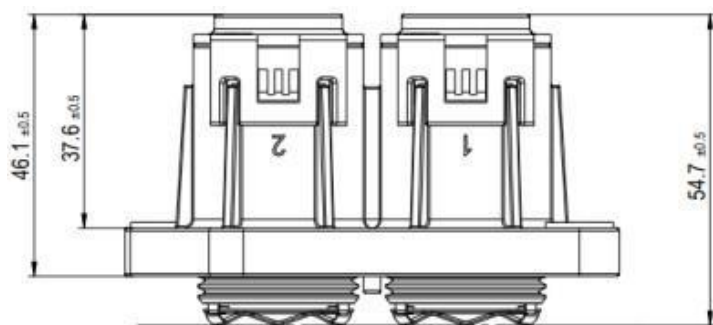
绝缘电阻/Insulation resistance	≥100MΩ
耐电压/Withstand voltage	3000 V AC
HVIL	否/No
机械性能/Mechanical specification	
振动/Vibration	USCAR V3
冲击/Shock	USCAR V3
耐环境性能/Environmental resistance specification	
工作温度/Ambient temperature	-40°C ~ +125°C
相对湿度/Humidity range	95% (40°C时) /95%(at 40°C)
盐雾/Salt spray	96h
防护等级/IP rating	IPX8、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	PA66
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/Environmental requirements	RoHS 2.0、ELV

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

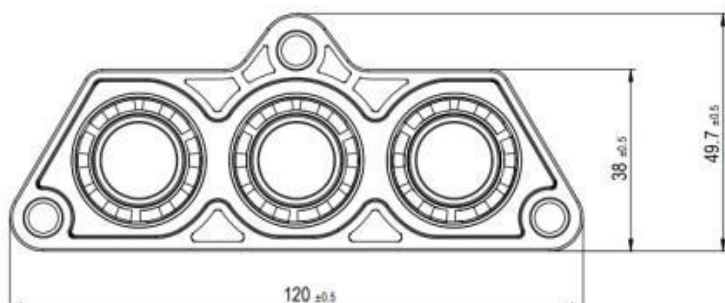
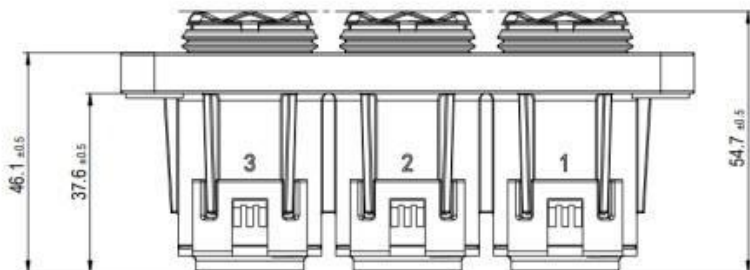
1.YGIPT5-P1



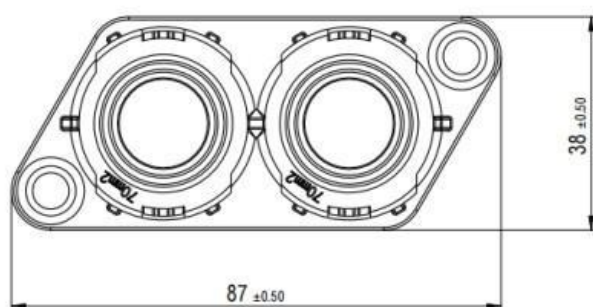
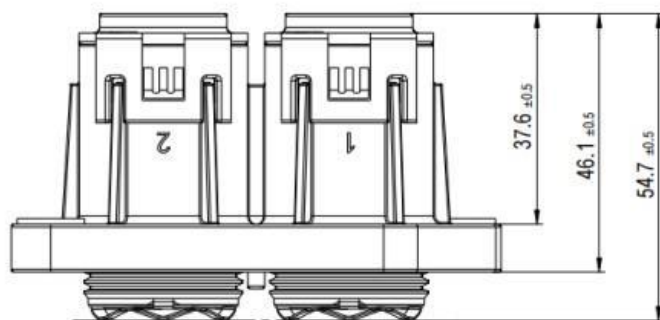
2.YGIPT5-P2



3.YGIPT5-P3

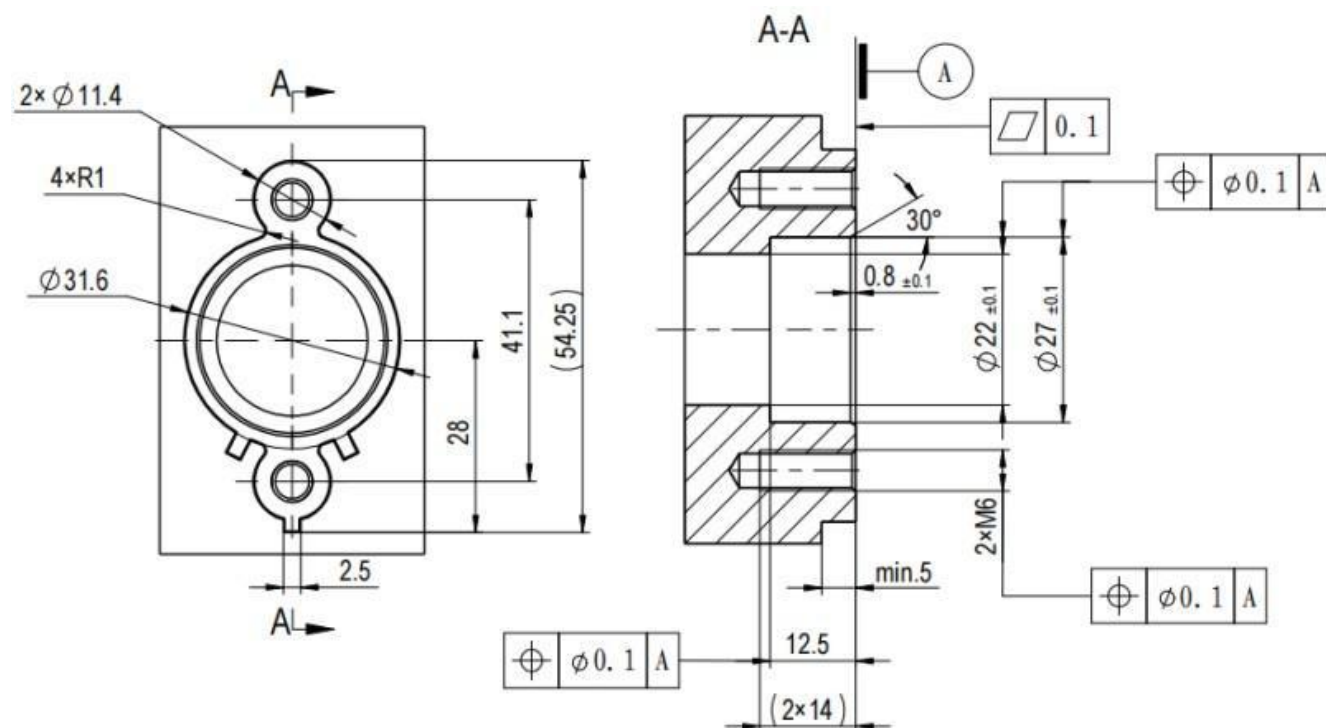


4.YGIPT5-P2B



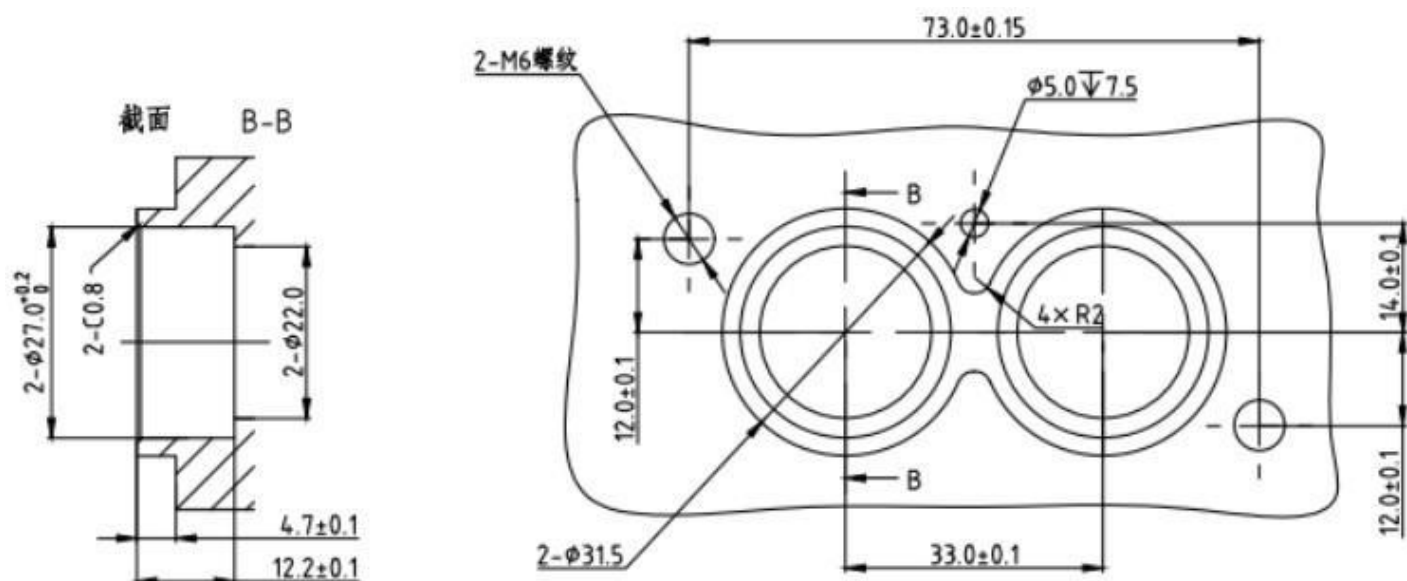
5.YGIPT5-P1 的推荐开孔尺寸

Recommended hole dimension for YGIPT5-P1



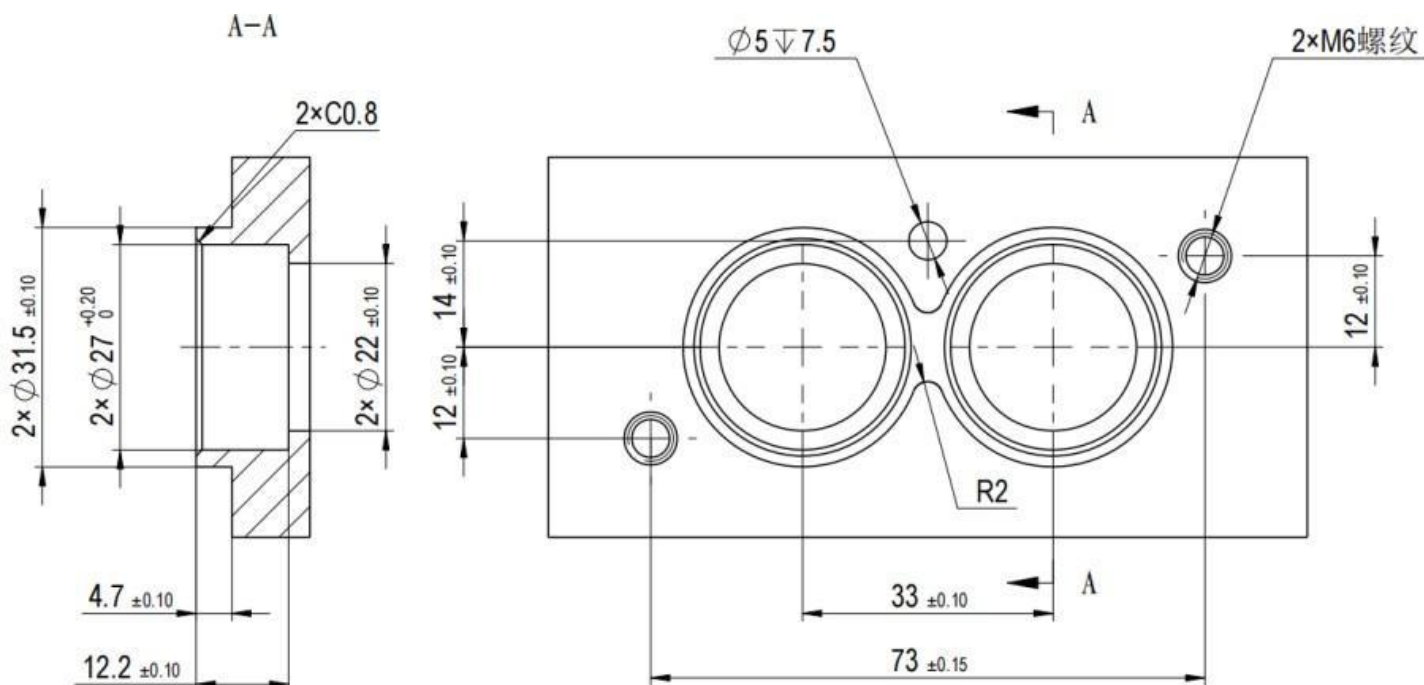
6.YGIPT5-P2 的推荐开孔尺寸

Recommended hole dimension for YGIPT5-P2



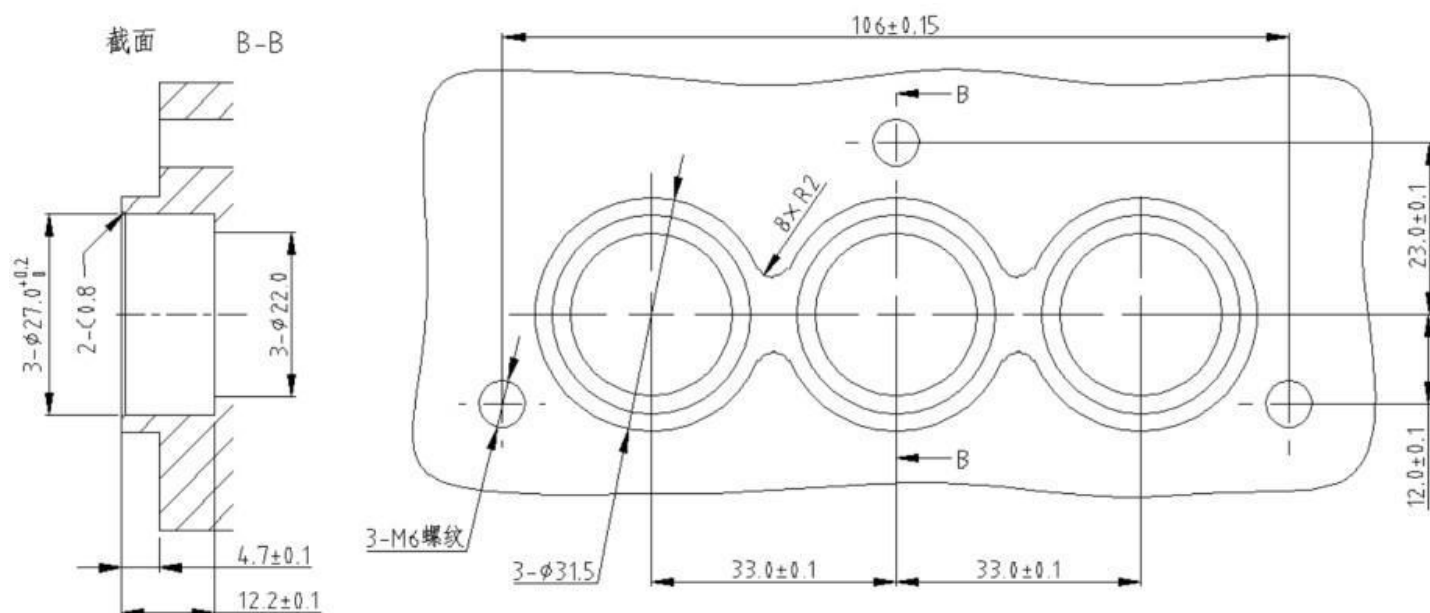
7.YGIPT5-P2B 的推荐开孔尺寸

Recommended hole dimension for YGIPT5-P2



8.YGIPT5-P3 的推荐开孔尺寸

Recommended hole dimension for YGIPT5-P3



• 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$\leq 60\%$、温度在$5\sim 30^{\circ}\text{C}$。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 $\leq 60\%$ and a temperature ranging from 5°C to 30°C. 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.