

技术规格书S0.7/Technical Specification S0.7

YG196-545 系列电连接器

YG196-545 Series Electrical Connector

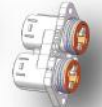
• 产品概述/Product instruction

 应用场景/Application 电动汽车电机、电控等位置。 It's applicable to positions such as electric vehicle motors and electronic controls.	优势/Advantages ✓ 高抗振，满足V2等级振动要求； High vibration resistance, meeting V2 level vibration requirements; ✓ 适配线径35mm²~70mm² (LV216) ; Suitable for wire diameters 35mm²~70mm² (LV216); ✓ 屏蔽性能强，可满足E4等级转移阻抗要求； Strong shielding performance, meeting E4 level transfer impedance requirements; ✓ 可实现360度全屏蔽； 360-degree full shielding can be achieved.
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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（屏蔽）/ Wiring specifications (shielded)
YG196-545插座-70mm ² / YG196-545 receptacle-70mm ²	YG196-00-545-00A1	70mm ²
YG196-545插座-50mm ² / YG196-545 receptacle-50mm ²	YG196-00-545-00A2	50mm ²
YG196-545插座-35mm ² / YG196-545 receptacle -35mm ²	YG196-00-545-00A3	35mm ²

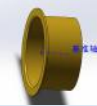
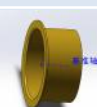
1.YG196-545 插座-35mm²/YG196-545 receptacle-35mm²

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
YG196-545插座-35mm ² /	焊接/ Welding	YG196-545插座组件 YG196-545 receptacle assembly	113010600886	1	35mm ²
					

YG196-545 receptacle -35mm ²		Φ14.4尾盖(黑) Φ14.4 rear cover (black)	114060400276	2		
		线夹 R7.2(黑) Cable clamp R7.2 (black)	114060400278	2		
		YG196-545-1封线体(线35) YG196-545-1 cable seal (for 35mm ² cable)	114050502164	2		
		YG196-545屏蔽件(内35) YG196-545 shielding(inner 35)	114022600524	2		
		YG196-545屏蔽件(外35) YG196-545 shielding(outer 35)	114022600522	2		
		YG196-545连接端子(35) YG196-545 connection terminal (35)	114020101512	2		
YG196-545插座-35mm ² / YG196-545 receptacle -35mm ²	压接/ Crimping	YG196-545插座组件 YG196-545 receptacle assembly	113010600886	1	35mm ²	
		Φ14.4尾盖(黑) Φ14.4 rear cover(black)	114060400276	2		
		线夹 R7.2(黑) Cable clamp R7.2 (black)	114060400278	2		
		YG196-545-1封线体(线35) YG196-545-1 cable seal (for 35mm ² cable)	114050502164	2		
		YG196-545屏蔽件(内35) YG196-545 shielding(inner 35)	114022600524	2		
		YG196-545屏蔽件(外35) YG196-545 shielding(outer 35)	114022600522	2		
		HUP35-8 腰孔 铜管端子 HUP35-8 slot hole copper tube terminal	501021401183	2		

2.YG196-545 插座-50mm²/YG196-545 receptacle-50mm²

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)
YG196-545插座-	焊接/ Welding	YG196-545插座组件/ YG196-545 receptacle assembly	113010600886	1	50mm ²	

50mm ²		Φ15.8尾盖(黑)/ Φ15.8 rear cover (black)	114060400277	2		
		线夹 R7.9(黑)/ Cable clamp R7.9 (black)	114060400279	2		
		YG196-545-1封线体(线50)/ YG196-545-1 cable seal (for 50mm ² cable)	114050502165	2		
		YG196-545屏蔽件(内50)/ YG196-545 shielding(inner 50)	114022600525	2		
		YG196-545屏蔽件(外50)/ YG196-545 shielding(outer 50)	114022600523	2		
		YG196-545连接端子(50)/YG196-545 connection terminal (50)	114020101513	2		
YG196-545插座- 50mm ²	压接/ Crimping	YG196-545插座组件/ YG196-545 receptacle assembly	113010600886	1	50mm ²	
		Φ15.8尾盖(黑)/ Φ15.8 rear cover (black)	114060400277	2		
		线夹 R7.9(黑)/ Cable clamp R7.9 (black)	114060400279	2		
		YG196-545-1封线体(线50)/ YG196-545-1 cable seal (for 50mm ² cable)	114050502165	2		
		YG196-545屏蔽件(内50)/ YG196-545 shielding(inner 50)	114022600525	2		
		YG196-545屏蔽件(外50)/ YG196-545 shielding(outer 50)	114022600523	2		
		HUP50-8接线端子(腰孔)/ HUP50-8 wiring terminal (slot hole)	501021702390	2		

3.YG196-545 插座-70mm²/YG196-545 receptacle-70mm²

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)
YG196-545插座- 70mm ² YG196-545	焊接 /Welding	YG196-545插座组件/ YG196-545 receptacle assembly	113010600886	1	70mm ²	
		Φ18.2尾盖(黑) Φ18.2 rear cover (black)	114060400281	2		

receptacle -70mm ²						
		线夹R9.1(黑)/ Cable clamp R9.1 (black)	114060400282	2		
		YG196-545-1封线体(线70)/ YG196-545-1 cable seal (for 70mm ² cable)	114050502187	2		
		YG196-545屏蔽件(内70) YG196-545 shielding(inner 70)	114022600535	2		
		YG196-545屏蔽件(外70) YG196-545 shielding(outer 70)	114022600536	2		
		YG196-545连接端子(70) YG196-545 connection terminal (70)	114020101529	2		

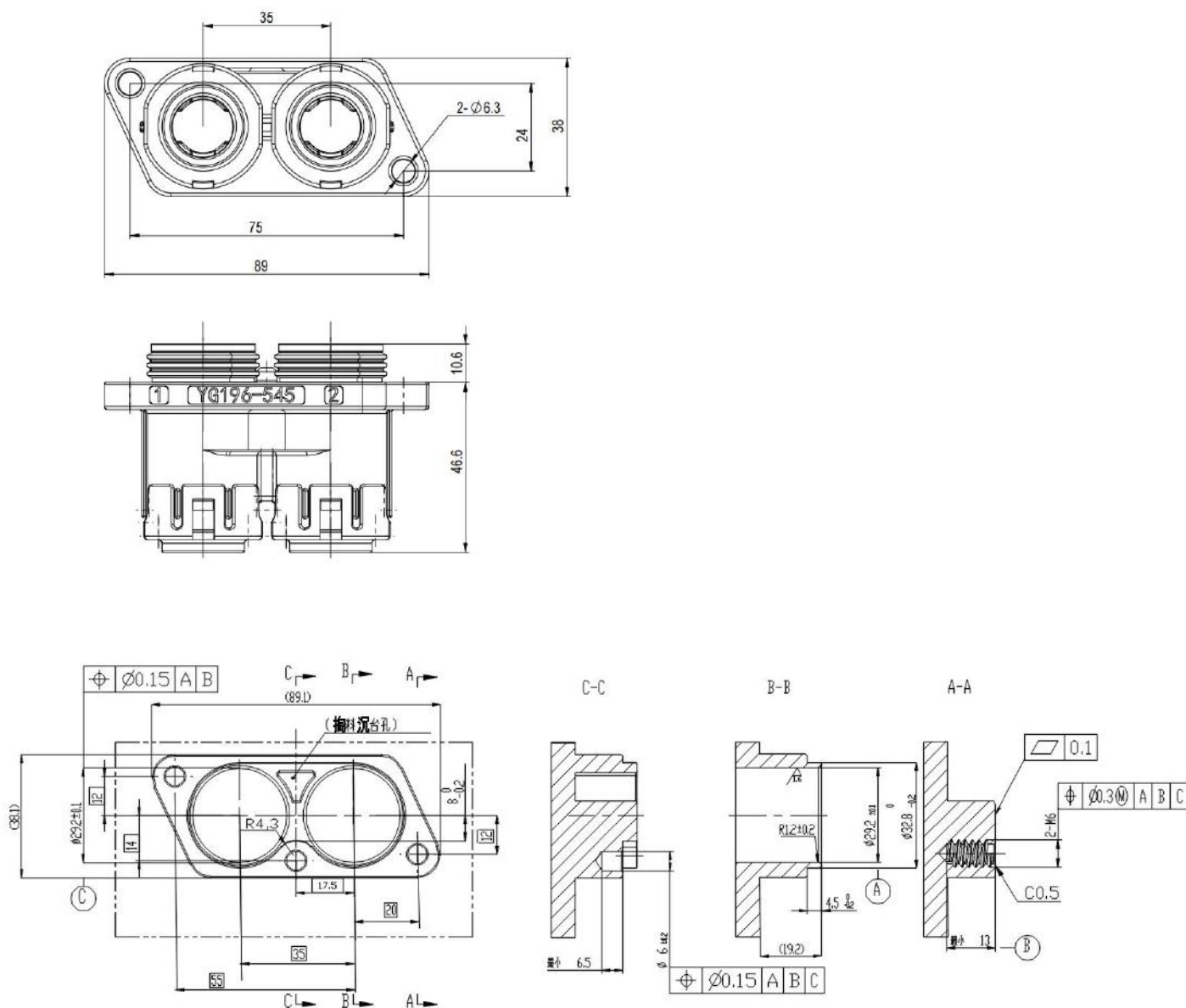
• 技术数据/Technical data

基本信息/Basic information	
PIN距/PIN pitch	35mm
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	150A(35mm ² 铜线)、200A(50mm ² 铜线)、250A(70mm ² 铜线) 150A (35mm ² copper wire), 200A (50mm ² copper wire), 250A (70mm ² copper wire)
绝缘电阻/Insulation resistance	≥100MΩ
耐电压/Withstand voltage	3000 V
HVIL	N/A
机械性能/Mechanical specification	
振动/Vibration	USCAR V2
冲击/Shock	USCAR V2
耐环境性能/Environmental resistance specification	
工作温度/Ambient temperature	-40℃ ~ +125℃
相对湿度/Humidity range	95% (40℃时) /95% (at 40℃)
盐雾/Salt spray	1008H
防护等级/IP rating	IP68 (2m, 48h)
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.YG196-545 插座/YG196-545 Receptacle



面板开孔尺寸
Panel mounting hole dimension