

技术规格书A0/Technical Specification A0

YG196-459系列弯式电缆接头组件

YG196-459 Series 90° Cable Connector Assembly

• 产品概述/Product instruction

	优势/Advantages ✓ 体积小，功率大 Small size, high power ✓ 具有可靠的机械性能和良好的电气性能 It features reliable mechanical properties and excellent electrical specification.
YG196-459系列是我司自主开发的两芯弯式屏蔽线缆接头组件，采用金属外壳，屏蔽结构360°全包围（接线附件根据需要进行选配） The YG196-459 Series is a two-pin right-angled shielded cable connector assembly independently developed by our company. It features a metal housing and a 360° fully enclosed shielding structure (wiring accessories are optional based on requirements).	

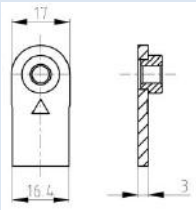
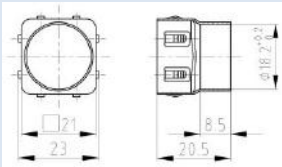
• 订货信息/Ordering information

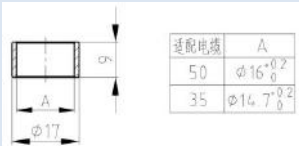
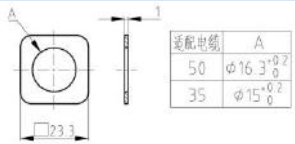
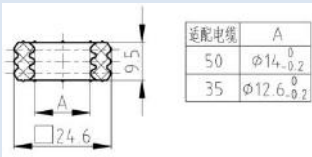
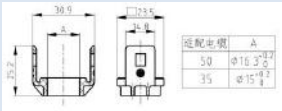
订货信息/Ordering information				
产品名称/Product name	YG196-459			
产品详细名称/ Specific product name	YG196-459A壳体组件/ Housing assembly	YG196-459B壳体组件/ Housing assembly	YG196-459B2壳体组件/ Housing assembly	YG196-459B3壳体组件/ Housing assembly
产品型号/ Product model	YG196-00-459-00A	YG196-00-459-00B	YG196-00-459-00B2	YG196-00-459-00B3
产品编号/ Product code	112010103934	112010103716	112010105233	112010105541
适配电缆/ Compatible cable	50/35	50/35	50/35	50/35

接线附件 (单独订货采购) /Wiring accessories (ordered separately)

适配线缆外径/ Compatible cable diameter	零件名称/ Parts name	零件编码/ Parts code	配套数量/ Matching quantity
50mm ² 屏蔽线缆 (φ15.5±0.3) 50mm ² shielded cable (φ15.5±0.3)	YG196-459焊接端子组件 YG196-459 welding terminal assembly	113020101126	2
	YG196-459屏蔽压套-50 YG196-459 shielding ferrule-50	114022600327	2
	YG196-459屏蔽压环-50 YG196-459 shielding ring-50	114022600329	2
	YG196-459垫片-50 YG196-459 washer-50	114039803354	2
	YG196-459封线体-50 YG196-459 cable seal-50	114050501402	2
	YG196-459尾盖-50 YG196-459 rear cover-50	114069804242	2
35mm ² 屏蔽线缆 (φ14.1±0.3) 35mm ² shielded cable (φ14.1±0.3)	YG196-459焊接端子组件 YG196-459 welding terminal assembly	113020101126	2
	YG196-459屏蔽压套-50 YG196-459 shielding ferrule-50	114022600327	2
	YG196-459屏蔽压环-35 YG196-459 shielding ring-35	114022600328	2
	YG196-459垫片-35 YG196-459 washer-35	114039803353	2
	YG196-459封线体-35 YG196-459 cable seal-35	114050501401	2
	YG196-459尾盖-35 YG196-459 rear cover-35	114069804241	2

接线附件规格 (未注公差±0.5) /Wiring accessory specifications (unspecified tolerance ±0.5)

产品名称/ Product name	零件示意图/ Parts diagram	图示/ Graphic
YG196-459焊接端子组件 YG196-459 welding terminal assembly		
YG196-459屏蔽压套-50 YG196-459 shielding ferrule-50		

YG196-459屏蔽压环-50/35 YG196-459 shielding ring - 50/35	 <table><tr><th>适配电缆</th><th>A</th></tr><tr><td>50</td><td>$\phi 16^{+0.2}_0$</td></tr><tr><td>35</td><td>$\phi 14.7^{+0.2}_0$</td></tr></table>	适配电缆	A	50	$\phi 16^{+0.2}_0$	35	$\phi 14.7^{+0.2}_0$	
适配电缆	A							
50	$\phi 16^{+0.2}_0$							
35	$\phi 14.7^{+0.2}_0$							
YG196-459垫片-50/35 YG196-459 washer - 50/35	 <table><tr><th>适配电缆</th><th>A</th></tr><tr><td>50</td><td>$\phi 16.3^{+0.2}_0$</td></tr><tr><td>35</td><td>$\phi 15^{+0.2}_0$</td></tr></table>	适配电缆	A	50	$\phi 16.3^{+0.2}_0$	35	$\phi 15^{+0.2}_0$	
适配电缆	A							
50	$\phi 16.3^{+0.2}_0$							
35	$\phi 15^{+0.2}_0$							
YG196-459封线体-50/35 YG196-459 cable seal-50/35	 <table><tr><th>适配电缆</th><th>A</th></tr><tr><td>50</td><td>$\phi 14^{+0.2}_0$</td></tr><tr><td>35</td><td>$\phi 12.6^{+0.2}_0$</td></tr></table>	适配电缆	A	50	$\phi 14^{+0.2}_0$	35	$\phi 12.6^{+0.2}_0$	
适配电缆	A							
50	$\phi 14^{+0.2}_0$							
35	$\phi 12.6^{+0.2}_0$							
YG196-459尾盖-50/35 YG196-459 rear cover 50/35	 <table><tr><th>适配电缆</th><th>A</th></tr><tr><td>50</td><td>$\phi 16.3^{+0.2}_0$</td></tr><tr><td>35</td><td>$\phi 15^{+0.2}_0$</td></tr></table>	适配电缆	A	50	$\phi 16.3^{+0.2}_0$	35	$\phi 15^{+0.2}_0$	
适配电缆	A							
50	$\phi 16.3^{+0.2}_0$							
35	$\phi 15^{+0.2}_0$							

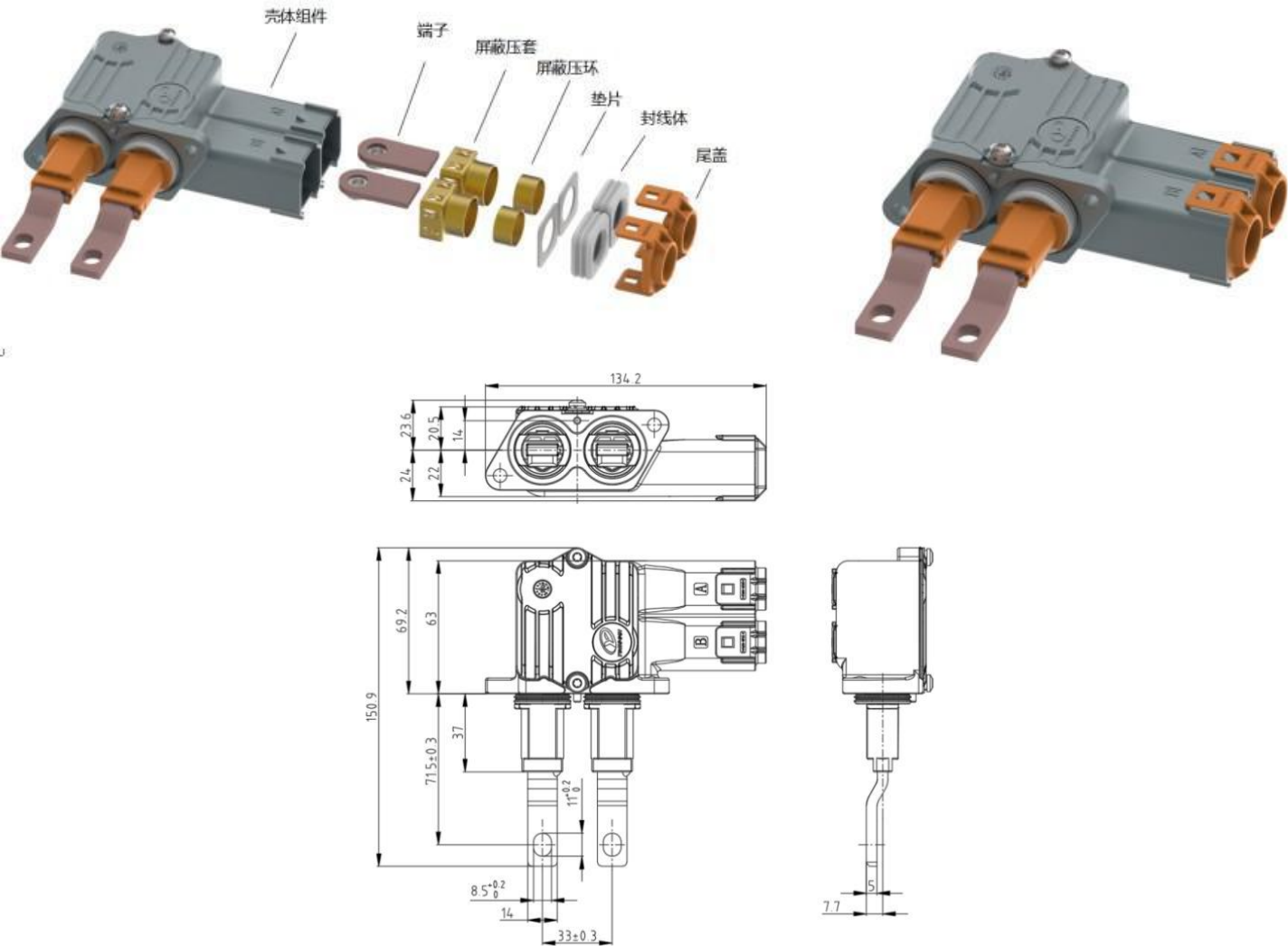
• 技术数据/Technical data

基本信息/Basic information	
Pin距/Pin distance	33
芯数/Number of pins	2
出线方向/Cable outlet direction	90°
壳体材质/Housing 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
额定电流/Rated current	250A (适配线缆50m², 电缆外径15.5±0.3mm)
	250A (compatible cable50 m², cable outer diameter 15.5±0.3mm)
	150A (适配线缆35m², 电缆外径14.1±0.3mm)
	150A (compatible cable 35m², cable outer diameter 14.1±0.3mm)
绝缘电阻/Insulation resistance	≥5000MΩ (常态/normal)
耐电压/Withstand voltage	3500 V (50Hz AC常态/normal)
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℃ ~ +125℃

相对湿度/Humidity range	95% (40°C时/at 40°C)
盐雾/Salt spray	96h
防护等级/IP rating	IP67&IP6K9K
污染等级/Pollution level	2
海拔要求/Altitude requirements	< 5000m
材料/涂覆/外观/Materials/Finishing/Outline	
壳体/Housing	ADC12
屏蔽/Shield	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/Plastic)、HB(橡胶/Rubber)
环保要求/Environmental requirements	RoHS 2.0

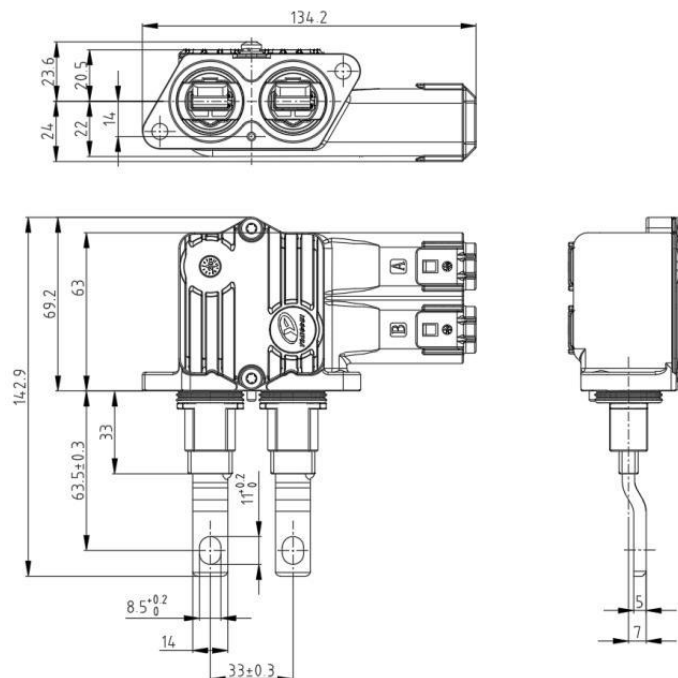
• 产品尺寸图及安装开孔尺寸/Product size & mounting hole dimension

1. YG196-00-459-00A 外形尺寸（完整安装，包含接线附件）（未注公差±0.5）
YG196-00-459-00A Outline dimensions (Complete installation, including wiring accessories) (Unspecified tolerance ±0.5)



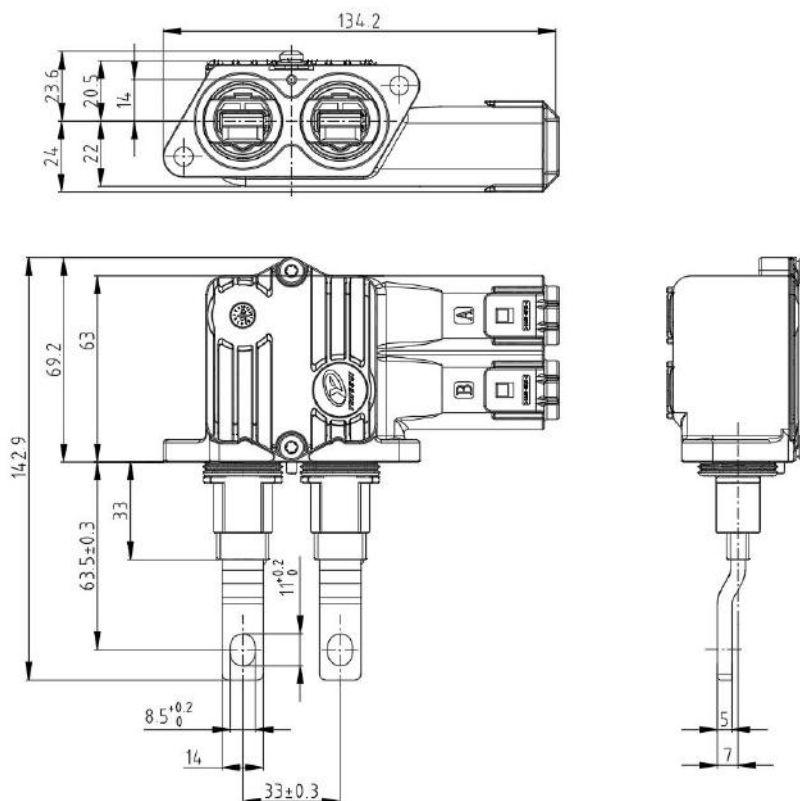
2. YG196-00-459-00B 外形尺寸 (完整安装, 包含接线附件) (未注公差 ± 0.5)

YG196-00-459-00B Outline dimensions (Complete assembly, including wiring accessories) (Unspecified tolerance ± 0.5)



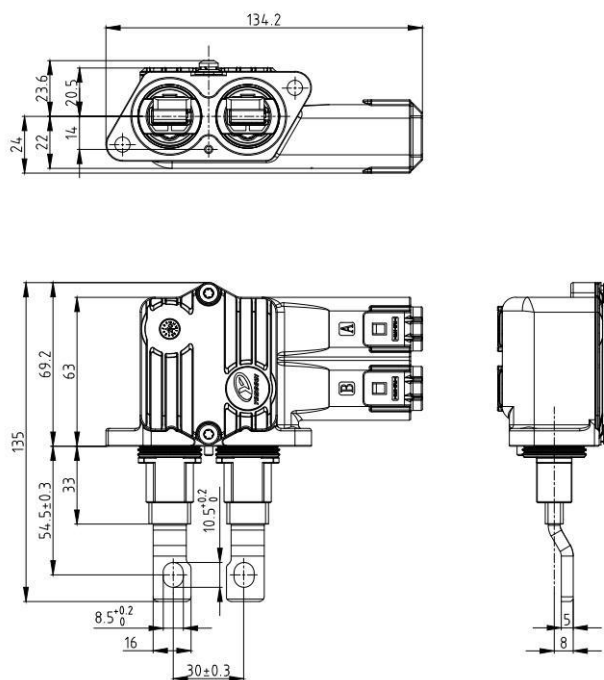
3. YG196-00-459-00B2 外形尺寸 (完整安装, 包含接线附件) (未注公差 ± 0.5)

YG196-00-459-00B2 Outline dimensions (Complete assembly, including wiring accessories) (Unspecified tolerance ± 0.5)



4. YG196-00-459-00B3 外形尺寸 (完整安装, 包含接线附件) (未注公差 ± 0.5)

YG196-00-459-00B3 Outline dimensions (Complete assembly, including wiring accessories) (Unspecified tolerance ± 0.5)



5. 安装开孔尺寸

Mounting hole dimension

安装面表面粗糙度为 $\sqrt{16}$, 平面度为 0.1

