

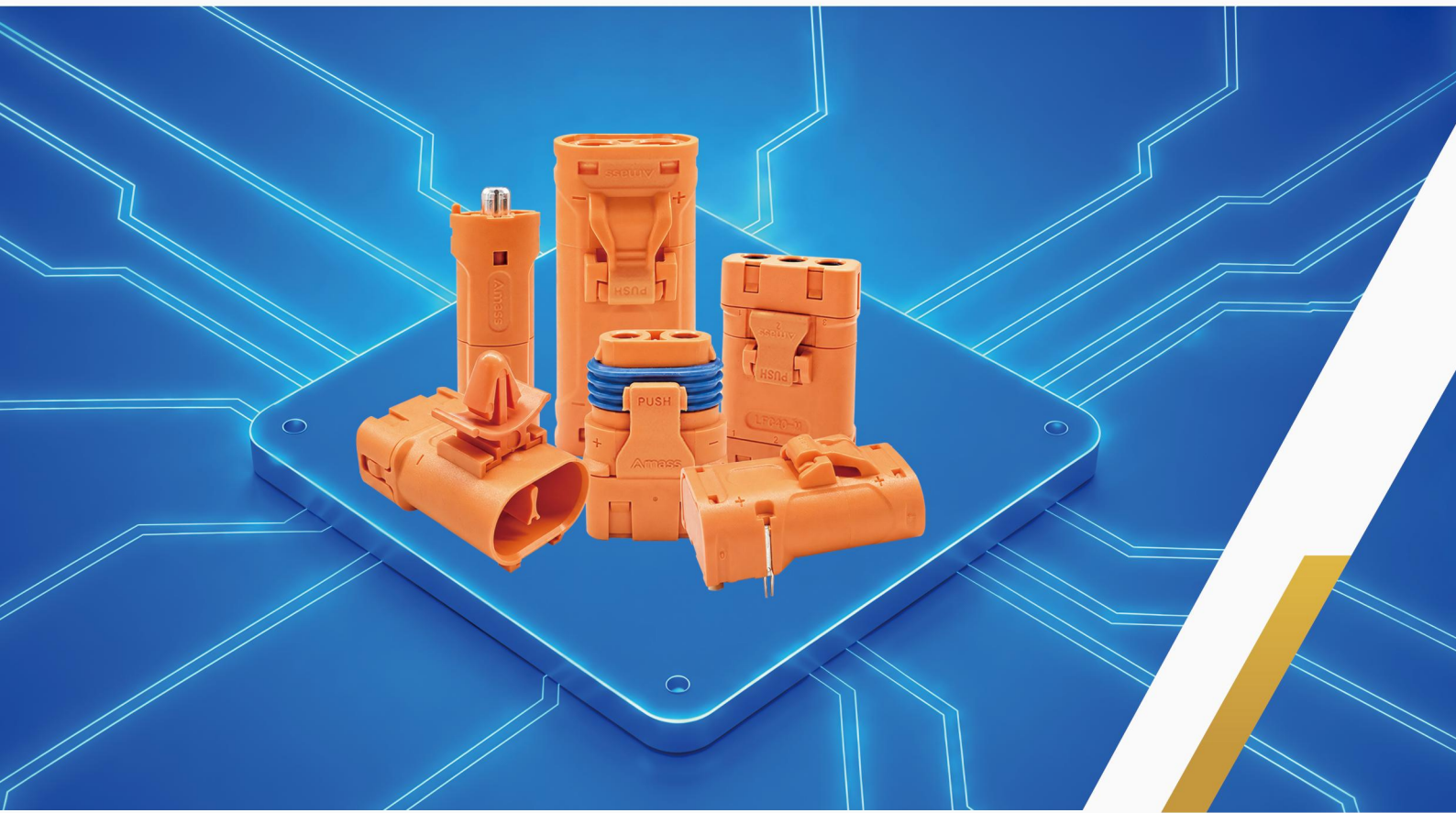
版本号：2026V2

Amass[®] 艾迈斯 | 真品真价
低压大电流连接 · 整案服务商 | 省事省心

商用款

LC系列产品手册

LC Series Product Manual



常州市艾迈斯电子有限公司

Changzhou Amass Electronics Co., Ltd.

关于艾迈斯电子 About Amass

艾迈斯电子（XT系列原创者）始创于2002年，是一家集设计、研发、制造、销售于一体的**国家级专精特新“小巨人”企业和国家级高新技术企业**。专注低压大电流连接器24年，深耕小动力智能设备领域。

公司位于江苏省武进区礼嘉镇，生产面积30000+平方米，土地拥有独立自主产权，500余人的研发、制造及销售团队。百余款连接器产品满足园林工具、储能设备、电动车、智能家电、智能机器人及航模无人机等应用场景的连接器需求；同时提供高效的产品研发和生产服务，为行业客户提供7A全周期解决方案。

企业使命：推动低压动力连接产业链运营效率倍增，持续降低低压动力连接领域综合成本。

Amass Electronics (Originator of the XT series) was founded in 2002. It is a national specialized and innovative "Little Giant" enterprise and a national high-tech enterprise integrating design, research and development, manufacturing, and sales. It has focused on low-voltage high-current connectors for 24 years and has deeply cultivated the field of small power intelligent devices.

The company is located in Lijia Town, Wujin District, Jiangsu Province, with a production area of 30,000 square meters and independent land ownership. It has a research, manufacturing, and sales team of over 500 people. More than a hundred connector products meet the connection needs of applications such as garden tools, energy storage equipment, electric vehicles, smart home appliances, intelligent robots, and model drones. At the same time, the company provides efficient product development and manufacturing services, offering 7A full-cycle solutions to industry clients.

Corporate mission: Promote the doubling of operational efficiency in the low-voltage power connection industry chain, and continuously reduce the overall costs in the field of low-voltage power connections.

2002年
成立时间
FOUNDED

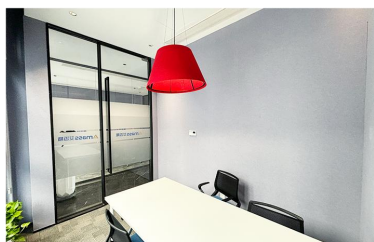
30000+平
厂房面积
PLANT AREA

10000 +
项目案例
PROJECT EXAMPLES

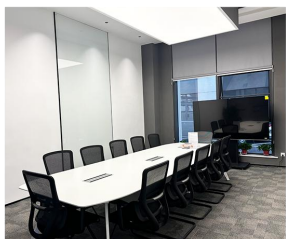
100000000 +
累计装机量
CUMULATIVE INSTALLED CAPACITY

公司实景 Company real scene

智慧园区 Smart Park



办公会议区 Office meeting area



生产仓储区 Production and Storage Area



企业荣誉 Corporate honors

国家级专精特新“小巨人”企业、国家级高新技术企业

It is a national-level specialized and new "little giant" enterprise and a state-level high-tech enterprise.



资质证书 Qualifications

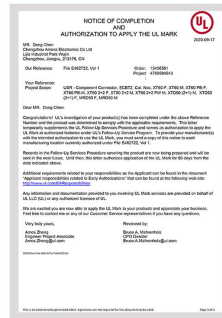
多专利 拥有200+项国家专利证书

Multiple patents. Having over 200 national patent certificates.



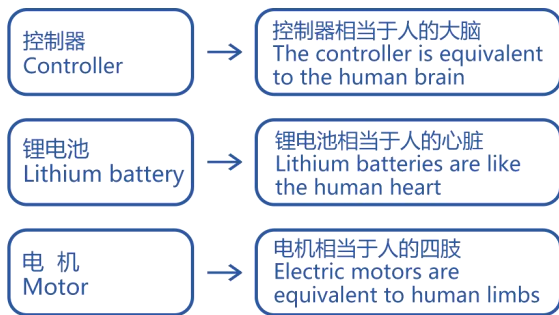
多认证 产品通过UL/CE/ROHS/REACH等国际认证

Multi-certification. The products have passed UL/CE/ROHS and other international certifications.



低压大电流连接器应用

Low-voltage high-current connector applications

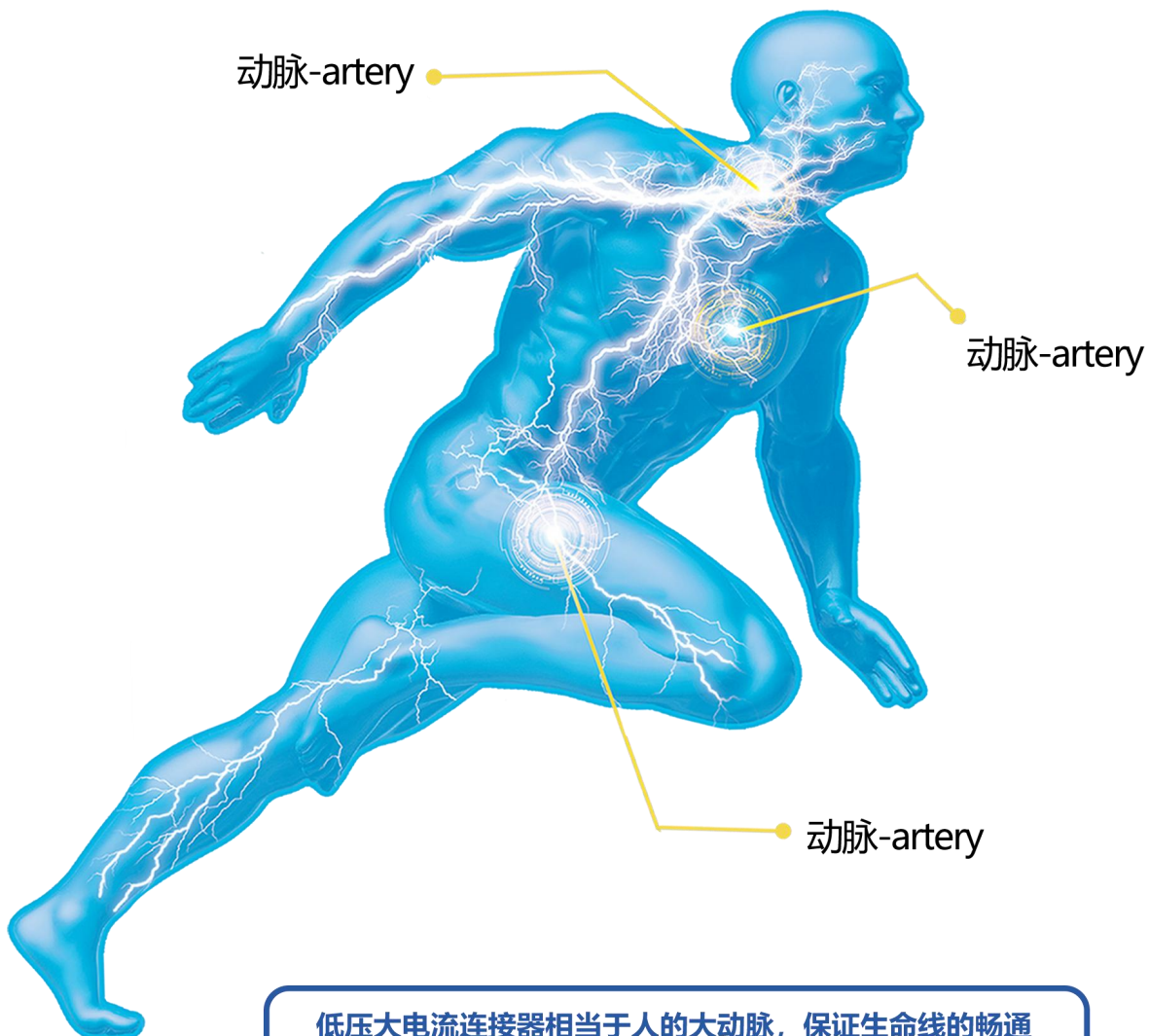


一站式研发能力

One stop R&D capability

研发能力，24年如一日，专注于低压大电流动力连接的技术与经验，只要您提出概念、想法、使用参数等，或者我司现有产品的不足，就可快速的为您提供清晰完整的解决方案。

With 24 years of research and development capabilities, we focus on the technology and experience of low-voltage high current power connections. As long as you propose concepts, ideas, usage parameters, or the shortcomings of our existing products, we can quickly provide you with clear and complete solutions.



低压大电流连接器相当于人的大动脉，保证生命线的畅通
The low-voltage high-current connector is equivalent to the human artery to ensure the smooth flow of the lifeline

应用行业 Application industry

园林工具 Garden tools

- 吹风机
Air blower



- 扫雪机
Snowplow



- 电链锯
Electric chainsaw



- 推草机
Lawn mower



- 高枝锯
High branch saw



电动车 Electric vehicle

- 两轮电动车
Electric vehicle



- 换电柜
Battery swap cabinet



- 平衡车
Balanced vehicle



- 平衡轮
balance wheel



- 电动滑板车
electric scooter



储能设备 Energy storage equipment

- 户外便携式电源
Outdoor portable power supply



- 家庭储能
Home energy storage



- 光伏储能
Photovoltaic energy storage



- 太阳能路灯
Solar street lamp



- 5G 基站
5G base station



无人机 UAV

- 消费无人机
Consumer drones



- 消防无人机
Firefighting drone



- 商用无人机
Commercial drone



- 工业无人机
Industrial drones



- 植保无人机
Plant protection drone



智能机器人 intelligent robot

- 机器狗
robotic dog



- AGV/AMR



- 商用清扫机器人
Commercial Cleaning robot



- 泳池清洁机器人
Swimming pool cleaning robot



- 人形机器人
Humanoid robot



智能家电 Smart home appliance

- 扫地机器人
Robotic vacuum cleaner



- 吸尘器
Vacuum cleaner



- 洗地机
Washing machine



- 筋膜枪
Fascia gun



- 紫外杀菌吸尘器
Ultraviolet sterilization vacuum cleaner



其他 other

- LED 灯
LED lamp



- 便携制氧机
Portable oxygen concentrator



- 产线传输线
Production line conveyor

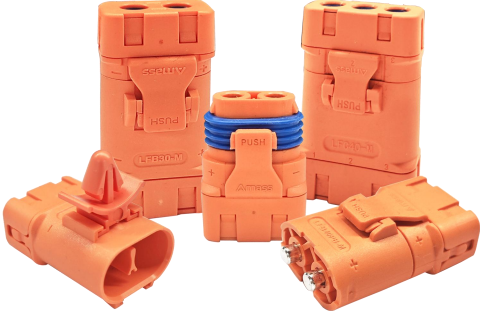


- 3D 打印机
3D printer



- 化成分容
Chemical fractionati



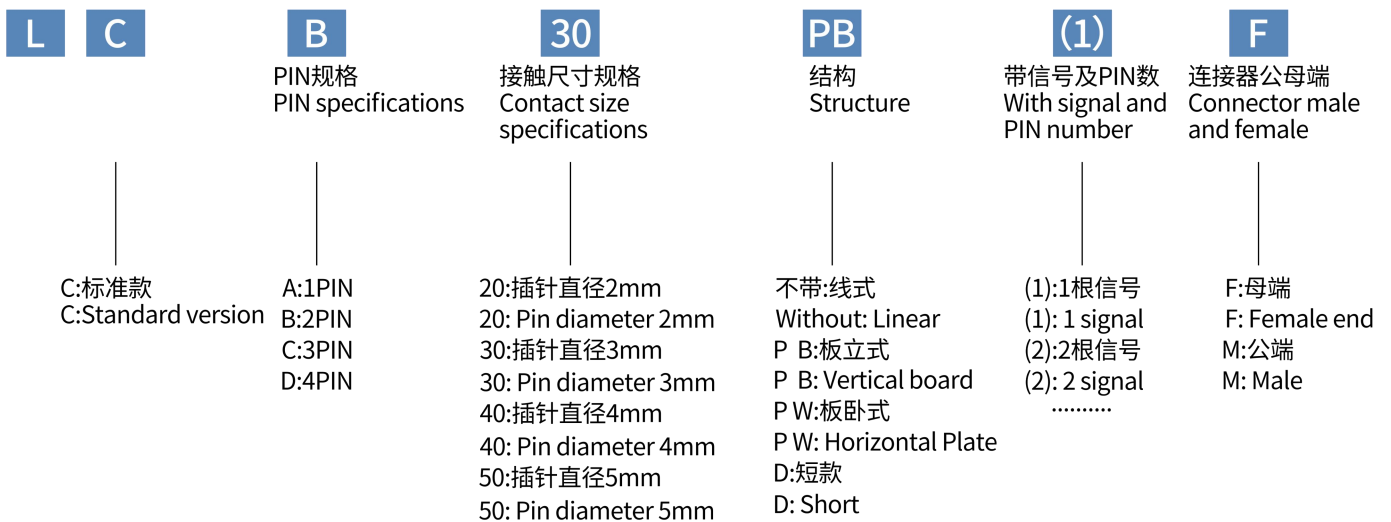
产品系列 Product series	产品目录 Product catalog	页数 Pages	图片 Picture
LC 标准系列 LC Standard Series	LC30 系列 LC30 series	P9-12	
	LC40 系列 LC40 series	P13-18	
	LC50 系列 LC50 series	P19-24	
	LC60 系列 LC60 series	P25-29	
LF 防水系列 LF Waterproof Series	LF30 系列 LF30 series	P31-32	
	LF40 系列 LF40 series	P33-35	
	LF50 系列 LF50 series	P36	
	LF60 系列 LF60 series	P37	

【产品说明 Description】

LC 系列针对于代步工具、园林工具、电动工具、智能家电以及智能机器人等行业内接开发，具备较强的抗震能力、稳定可靠的载流能力、低温升性能及简便的线材组装特性；不同直径连接器分别有单 Pin、双 Pin 以及三 Pin，线式、板立、板卧结构，更加适应于不同产品需求，更具普适性。

The LC series is developed internally for industries such as transportation tools, garden tools, power tools, smart home appliances, and smart robots. It has strong seismic resistance, stable and reliable current carrying capacity, low temperature rise performance, and simple wire assembly characteristics; Different diameter connectors are available in single pin, double pin, and three pin configurations, with wire, board upright, and board horizontal structures, which are more suitable for different product needs and more universal.

【型号命名 Type Designation】






【技术参数 Technical Parameter】















额定电压 Rated voltage	150V DC	工作温度 Work temperature	-40~120°C	接触电阻 Contact resistance	≤0.6mΩ
绝缘电阻 Insulation resistance	≥2000MΩ	盐雾 Salt spray	48h	线式连接方式 Wire connection method	六方铆压 Hexagonal riveting
外壳材料 Housing material	PBT	端子材料 Terminal material	紫铜, 镀银 Copper, Silvering	板式连接方式 Plate connection method	焊接 Welding
阻燃等级 Materials flame level	UL94 V-0 (0.8mm)	灼热丝可燃性指数 Flammability index of heating wire	GWFI 850°C (0.8mm)	环保性能 Environmental requirements	RoHS2.0 、 Reach、PAHS、 TSCA、CP65









LC30 系列 LC30 series

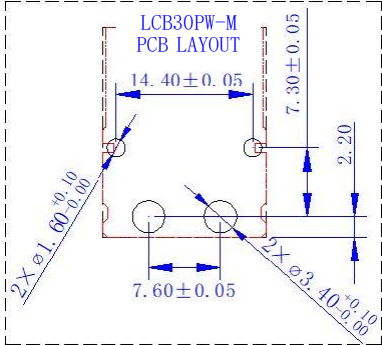
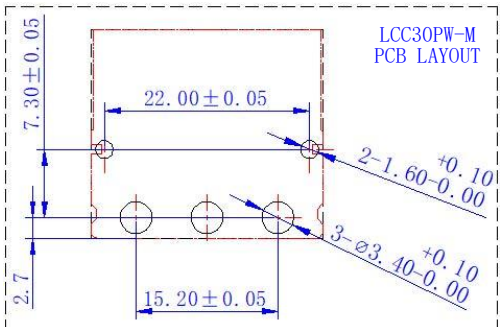
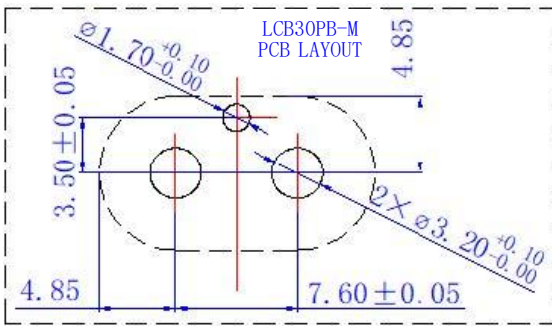
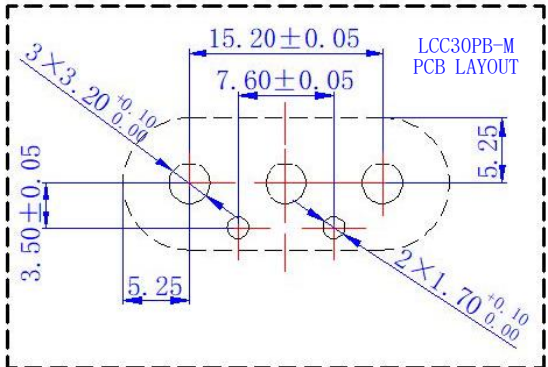
系列 Series	适配线规 Adapter gauge				额定电流 Current rating	温升 temperature rise
	美标 American Standard		国标 National Standard			
	A.W.G	铜丝 mm Copper wire	mm ²	铜丝 mm Copper wire		
LC30	12#	0.08	4.0	0.31	42A	55K
	14#		2.5	0.26	32A	
	12#		4.0	0.31	30A	30K
	14#		2.5	0.26	20A	

	安装方式 installation method	LCB30		LCC30	
		母头 Female	公头 Male	母头 Female	公头 Male
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line				
	线-板立 Line-Plate standing				
	线-板卧 Line-Plate lying				

产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LCB30-F	LCB30-F 成品 LCB30-F finished product		97003-F.O	LCB30-F 橙色 LCB30-F Orange	
			97003-F.R	LCB30-F 红色 LCB30-F Red	
			97003-F.B	LCB30-F 黑色 LCB30-F Black	
			91022-F.S	LC30-F 铜件 LC30-F copper parts	
LCB30-M	LCB30-M 成品 LCB30-M finished product		97003-M.O	LCB30-M 橙色 LCB30-M Orange	
			97003-M.R	LCB30-M 红色 LCB30-M Red	
			97003-M.B	LCB30-M 黑色 LCB30-M Black	
			99030-M.S	LC30-M 铜件 LC30-M copper parts	
LCB30PB-M	LCB30PB-M 成品 LCB30PB-M finished product		LCB30PB-M.S.O	LCB30PB-M 橙色 LCB30PB-M Orange	
			LCB30PB-M.S.R	LCB30PB-M 红色 LCB30PB-M Red	
			LCB30PB-M.S.B	LCB30PB-M 黑色 LCB30PB-M Black	

LCB30PW-M	LCB30PW-M 成品 LCB30PW-M finished product		LCB30PW-M. S.O	LCB30PW-M 橙色 LCB30PW-M Orange	
			LCB30PW-M. S.R	LCB30PW-M 红色 LCB30PW-M Red	
			LCB30PW-M. S.B	LCB30PW-M 黑色 LCB30PW-M Black	
LCC30-F	LCC30-F 成品 LCC30-F finished product		97004-F.O	LCC30-F 橙色 LCC30-F Orange	
			97004-F.R	LCC30-F 红色 LCC30-F Red	
			97004-F.B	LCC30-F 黑色 LCC30-F Black	
			91022-F.S	LC30-F 铜件 LC30-F copper parts	
LCC30-M	LCC30-M 成品 LCC30-M finished product		97004-M.O	LCC30-M 橙色 LCC30-M Orange	
			97004-M.R	LCC30-M 红色 LCC30-M Red	
			97004-M.B	LCC30-M 黑色 LCC30-M Black	
			99030-M.S	LC30-M 铜件 LC30-M copper parts	

LCC30PB-M	LCC30PB-M 成品 LCC30PB-M finished product		LCC30PB-M. S.O	LCC30PB-M 橙色 LCC30PB-M Orange	
			LCC30PB-M. S.R	LCC30PB-M 红色 LCC30PB-M Red	
			LCC30PB-M. S.B	LCC30PB-M 黑色 LCC30PB-M Black	
LCC30PW-M	LCC30PW-M 成品 LCC30PW-M finished product		LCC30PW-M. S.O	LCC30PW-M 橙色 LCC30PW-M Orange	
			LCC30PW-M. S.R	LCC30PW-M 红色 LCC30PW-M Red	
			LCC30PW-M. S.B	LCC30PW-M 黑色 LCC30PW-M Black	

	LCB30	LCC30
PCB 开孔尺寸		
PCB Cut-out size		

LC40 系列 LC40 series

系列 Series	适配线规 Adapter gauge				额定电流 Current rating	温升 temperature rise
	美标 American Standard		国标 National Standard			
	A.W.G	铜丝 mm Copper wire	mm ²	铜丝 mm Copper wire		
LC40	10#	0.08	6.0	0.31	52A	55K
	12#		4.0		42A	
	10#		6.0		35A	30K
	12#		4.0		30A	















	安装方式 installation method	LCA40S	LCA40D
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line	<p>公头 Male</p> <p>母头 Female</p>	<p>母头 Female</p> <p>公头 Male</p>

		安装方式 installation method	LCB40	LCC40
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line		<p>母头 公头 Female Male</p>	<p>母头 公头 Female Male</p>
	线-板立 Line-Plate standing		<p>母头 公头 Female Male</p>	<p>母头 公头 Female Male</p>
	线-板卧 Line-Plate lying		<p>母头 公头 Female Male</p>	<p>母头 公头 Female Male</p>

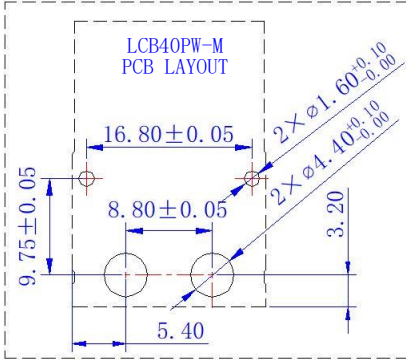
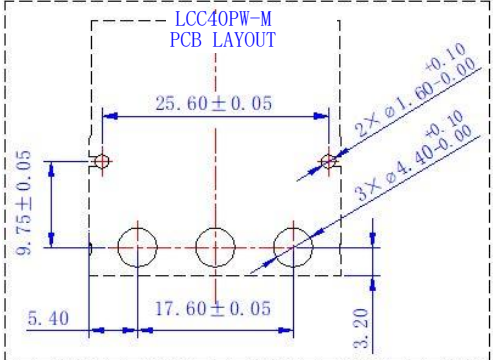
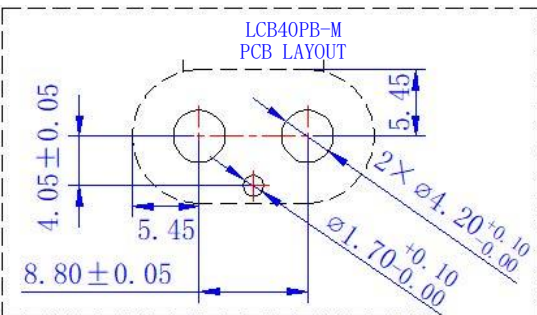
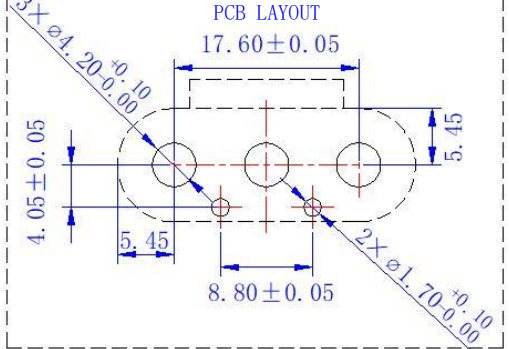
产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LCA40S-F	LCA40S-F 成品 LCA40S-F finished product		97029-F.R	LCA40S-F 红色 LCA40S-F Red	
			97029-F.B	LCA40S-F 黑色 LCA40S-F Black	
			91026-F.S	LC40S-F 铜件 LC40S-F copper parts	

LCA40S-M	LCA40S-M 成品 LCA40S-M finished product		97029-M. R	LCA40S-M 红色 LCA40S-M Red	
			97029-M. B	LCA40S-M 黑色 LCA40S-M Black	
			91026-M. S	LC40S-M 铜件 LC40S-M copper parts	
LCA40D-F	LCA40D-F 成品 LCA40D-F finished product		97025-F.O	LCA40D-F 橙色 LCA40D-F Orange	
			97025-F.R	LCA40D-F 红色 LCA40D-F Red	
			97026-F.B	LCA40D-F 黑色 LCA40D-F Black	
			91020-F.S	LC40-F 铜件 LC40-F copper parts	
LCA40D-M	LCA40D-M 成品 LCA40D-M finished product		97025-M. O	LCA40D-M 橙色 LCA40D-M Orange	
			97025-M. R	LCA40D-M 红色 LCA40D-M Red	
			97026-M. B	LCA40D-M 黑色 LCA40D-M Black	
			99028-M. S	LC40-M 铜件 LC40-M copper parts	

LCB40-F	LCB40-F 成品 LCB40-F finished product		97001-F.O	LCB40-F 橙色 LCB40-F Orange	
			97001-F.R	LCB40-F 红色 LCB40-F Red	
			97001-F.B	LCB40-F 黑色塑壳 LCB40-F Black	
			91020-F.S	LC40-F 铜件 LC40-F copper parts	
LCB40-M	LCB40-M 成品 LCB40-M finished product		97001-M.O	LCB40-M 橙色 LCB40-M Orange	
			97001-M.R	LCB40-M 红色 LCB40-M Red	
			97001-M.B	LCB40-M 黑色 LCB40-M Black	
			99028-M.S	LC40-M 铜件 LC40-M copper parts	
LCB40PB-M	LCB40PB-M 成品 LCB40PB-M finished product		LCB40PB-M.S.O	LCB40PB-M 橙色 LCB40PB-M Orange	
			LCB40PB-M.S.R	LCB40PB-M 红色 LCB40PB-M Red	
			LCB40PB-M.S.B	LCB40PB-M 黑色 LCB40PB-M Black	

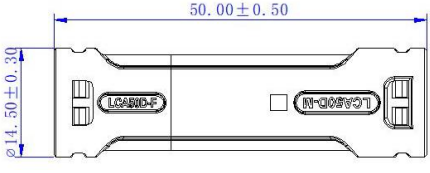
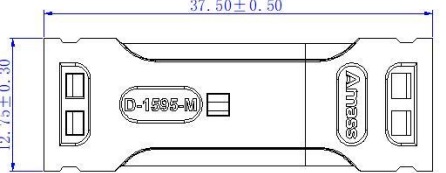
LCB40PW-M	LCB40PW-M 成品 LCB40PW-M finished product		LCB40PW-M.S.O	LCB40PW-M 橙色 LCB40PW-M Orange	
			LCB40PW-M.S.R	LCB40PW-M 红色 LCB40PW-M Red	
			LCB40PW-M.S.B	LCB40PW-M 黑色 LCB40PW-M Black	
LCC40-F	LCC40-F 成品 LCC40-F finished product		97011-F.O	LCC40-F 橙色 LCC40-F Orange	
			97011-F.R	LCC40-F 红色 LCC40-F Red	
			97011-F.B	LCC40-F 黑色 LCC40-F Black	
			91020-F.S	LC40-F 铜件 LC40-F copper parts	
LCC40-M	LCC40-M 成品 LCC40-M finished product		97011-M.O	LCC40-M 橙色 LCC40-M Orange	
			97011-M.R	LCC40-M 红色 LCC40-M Red	
			97011-M.B	LCC40-M 黑色 LCC40-M Black	
			99028-M.S	LC40-M 铜件 LC40-M copper parts	

LCC40PB-M	LCC40PB-M 成品 LCC40PB-M finished product		LCC40PB-M.S.O	LCC40PB-M 橙色 LCC40PB-M Orange	
			LCC40PB-M.S.R	LCC40PB-M 红色 LCC40PB-M Red	
			LCC40PB-M.S.B	LCC40PB-M 黑色 LCC40PB-M Black	
LCC40PW-M	LCC40PW-M 成品 LCC40PW-M finished product		LCC40PW-M.S.O	LCC40PW-M 橙色 LCC40PW-M Orange	
			LCC40PW-M.S.R	LCC40PW-M 红色 LCC40PW-M Red	
			LCC40PW-M.S.B	LCC40PW-M 黑色 LCC40PW-M Black	

	LCB40	LCC40
PCB 开孔尺寸		
PCB Cut-out size		

LC50 系列 LC50 series

系列 Series	适配线规 Adapter gauge				额定电流 Current rating	温升 temperature rise
	美标 American Standard		国标 National Standard			
	A.W.G	铜丝 mm Copper wire	mm ²	铜丝 mm Copper wire		
LC50	8#	0.08	12	0.08	80A	50K
	/	/	10	0.08	70A	
	8#	0.08	10	0.41	70A	55K
	10#		6	0.31	52A	
	8#		10	0.41	55A	30K
	10#		6	0.31	35A	













产品对插 外轮廓图 Product docking outline diagram	安装方式 installation method	LCA50D	LCA50S
	线-线 Line-Line	 <p>母头 Female</p> <p>公头 Male</p>	 <p>公头 Male</p> <p>母头 Female</p>





		安装方式 installation method	LCA50	LCB50
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line			
	线-板立 Line-Plate standing			
	线-板卧 Line-Plate lying			

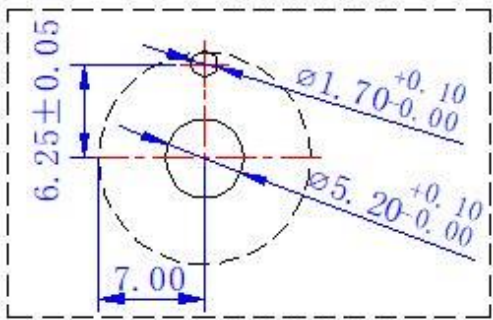
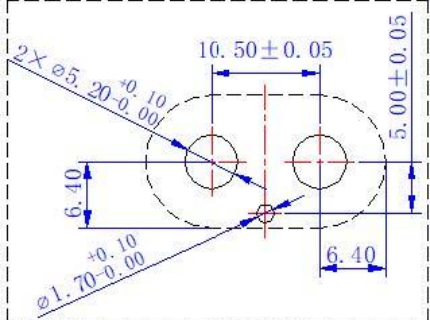
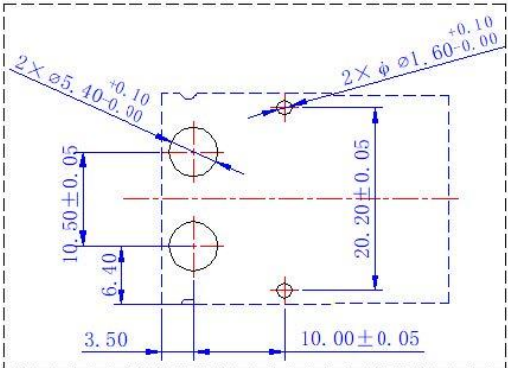
产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LCA50D-F	LCA50D-F 成品 LCA50D-F finished product		97024-F.O	LCA50D-F 橙色 LCA50D-F Orange	
			97024-F.R	LCA50D-F 红色 LCA50D-F Red	
			97023-F.B	LCA50D-F 黑色 LCA50D-F Black	
			91023-F.S	LC50-F铜件 LC50-F copper parts	

LCA50D-M	LCA50D-M 成品 LCA50D-M finished product		97024-M.O	LCA50D-M 橙色 LCA50D-M Orange	
			97024-M.R	LCA50D-M 红色 LCA50D-M Red	
			97023-M.B	LCA50D-M 黑色 LCA50D-M Black	
			99031-M.S	LC50-M铜件 LC50-M copper parts	
LCA50S-F	LCA50S-F 成品 LCA50S-F finished product		97030-F.R	LCA50S-F 红色 LCA50S-F Red	
			97030-F.B	LCA50S-F 黑色 LCA50S-F Black	
			91027-F.S	LC50-F铜件 LC50-F copper parts	
LCA50S-M	LCA50S-M 成品 LCA50S-M finished product		97030-M.R	LCA50S-M 红色 LCA50S-M Red	
			97030-M.B	LCA50S-M 黑色 LCA50S-M Black	
			99043-M.S	LC50-M铜件 LC50-M copper parts	

LCA50-F	LCA50-F 成品 LCA50-F finished product		97014-F.O	LCA50-F 橙色 LCA50-F Orange	
			97012-F.R	LCA50-F 红色 LCA50-F Red	
			97013-F.B	LCA50-F 黑色 LCA50-F Black	
			91023-F.S	LC50-F 铜件 LC50-F copper parts	
LCA50-M	LCA50-M 成品 LCA50-M finished product		97014-M.O	LCA50-M 橙色 LCA50-M Orange	
			97012-M.R	LCA50-M 红色 LCA50-M Red	
			97013-M.B	LCA50-M 黑色 LCA50-M Black	
			99031-M.S	LC50-M 铜件 LC50-M copper parts	
LCA50PB-M	LCA50PB-M 成品 LCA50PB-M finished product		LCA50PB-M.S.O	LCA50PB-M 橙色 LCA50PB-M Orange	
			LCA50PB-M.S.R	LCA50PB-M 红色 LCA50PB-M Red	
			LCA50PB-M.S.B	LCA50PB-M 黑色 LCA50PB-M Black	

LCB50-F	LCB50-F 成品 LCB50-F finished product		97015-F.O	LCB50-F 橙色 LCB50-F Orange	
			97015-F.R	LCB50-F 红色 LCB50-F Red	
			97015-F.B	LCB50-F 黑色 LCB50-F Black	
			91023-F.S	LC50-F 铜件 LC50-F copper parts	
LCB50-M	LCB50-M 成品 LCB50-M finished product		97015-M.O	LCB50-M 橙色 LCB50-M Orange	
			97015-M.R	LCB50-M 红色 LCB50-M Red	
			97015-M.B	LCB50-M 黑色 LCB50-M Black	
			99031-M.S	LC50-M 铜件 LC50-M copper parts	
LCB50PB-M	LCB50PB-M 成品 LCB50PB-M finished product		LCB50PB-M.S.O	LCB50PB-M 橙色 LCB50PB-M Orange	
			LCB50PB-M.S.R	LCB50PB-M 红色 LCB50PB-M Red	
			LCB50PB-M.S.B	LCB50PB-M 黑色 LCB50PB-M Black	
















LCB50PW-M	LCB50PW-M 成品 LCB50PW-M finished product		LCB50PW-M.S.O	LCB50PW-M 橙色 LCB50PW-M Orange	
			LCB50PW-M.S.R	LCB50PW-M 红色 LCB50PW-M Red	
			LCB50PW-M.S.B	LCB50PW-M 黑色 LCB50PW-M Black	





	LCA50	LCB50
PCB 开孔尺寸	<p>LCA50PB-M PCB LAYOUT</p> 	<p>LCB50PB-M PCB LAYOUT</p> 
PCB Cut-out size		<p>LCB50PW-M PCB LAYOUT</p> 














LC60 系列 LC60 series

系列 Series	适配线规 Adapter gauge				额定电流 Current rating	温升 temperature rise
	美标 American Standard		国标 National Standard			
	A.W.G	铜丝 mm Copper wire	mm ²	铜丝 mm Copper wire		
LC60	6#	0.08	16	0.31	90A	55K
	8#		10	0.41	70A	
	6#		16	0.31	65A	30K
	8#		10	0.41	55A	

		安装方式 installation method	LCA60D	LCA60	LCB60
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line		<p>母头 Female 公头 Male</p>	<p>母头 Female 公头 Male</p>	<p>母头 Female 公头 Male</p>
	线-板立 Line-Plate standing			<p>母头 Female 公头 Male</p>	<p>母头 Female 公头 Male</p>
	线-板卧 Line-Plate lying				<p>母头 Female 公头 Male</p>

产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LCA60D-F	LCA60D-F 成品 LCA60D-F finished product		97028-F.O	LCA60D-F 橙色 LCA60D-F Orange	
			97028-F.R	LCA60D-F 红色 LCA60D-F Red	
			97028-F.B	LCA60D-F 黑色 LCA60D-F Black	
			91021-F.S	LC60-F 铜组件 LC60-F copper parts	
LCA60D-M	LCA60D-M 成品 LCA60D-M finished product		97028-M.O	LCA60D-M 橙色 LCA60D-M Orange	
			97028-M.R	LCA60D-M 红色 LCA60D-M Red	
			97028-M.B	LCA60D-M 黑色 LCA60D-M Black	
			99029-M.S	LC60-M 铜组件 LC60-M copper parts	
LCA60-F	LCA60-F 成品 LCA60-F finished product		97018-F.O	LCA60-F 橙色 LCA60-F Orange	
			97016-F.R	LCA60-F 红色 LCA60-F Red	
			97017-F.B	LCA60-F 黑色 LCA60-F Black	
			91021-F.S	LC60-F 铜组件 LC60-F copper parts	

LCA60-M	LCA60-M 成品 LCA60-M finished product		97018-M.O	LCA60-M 橙色 LCA60-M Orange molded shell	
			97016-M.R	LCA60-M 红色 LCA60-M Red	
			97017-M.B	LCA60-M 黑色 LCA60-M Black	
			99029-M.S	LC60-M 铜件 LC60-M copper parts	
LCA60PB-M	LCA60PB-M 成品 LCA60PB-M finished product		LCA60PB-M .S.O	LCA60PB-M 橙色 LCA60PB-M Orange	
			LCA60PB-M .S.R	LCA60PB-M 红色 LCA60PB-M Red	
			LCA60PB-M .S.B	LCA60PB-M 黑色 LCA60PB-M Black	
LCB60-F	LCB60-F 成品 LCB60-F finished product		97002-F.O	LCB60-F 橙色 LCB60-F Orange	
			97002-F.R	LCB60-F 红色 LCB60-F Red	
			97002-F.B	LCB60-F 黑色 LCB60-F Black	
			91021-F.S	LC60-F 铜件 LC60-F copper parts	

LCB60-M	LCB60-M 成品 LCB60-M finished product		97002-M.O	LCB60-M 橙色 LCB60-M Orange	
			97002-M.R	LCB60-M 红色 LCB60-M Red	
			97002-M.B	LCB60-M 黑色 LCB60-M Black	
			99029-M.S	LC60-M 铜件 LC60-M copper parts	
LCB60PB-M	LCB60PB-M 成品 LCB60PB-M finished product		LCB60PB-M .S.O	LCB60PB-M 橙色 LCB60PB-M Orange	
			LCB60PB-M .S.R	LCB60PB-M 红色 LCB60PB-M Red	
			LCB60PB-M .S.B	LCB60PB-M 黑色 LCB60PB-M Black	
LCB60PW-M	LCB60PW-M 成品 LCB60PW-M finished product		LCB60PW-M .M.S.O	LCB60PW-M 橙色 LCB60PW-M Orange	
			LCB60PW-M .M.S.R	LCB60PW-M 红色 LCB60PW-M Red	
			LCB60PW-M .M.S.B	LCB60PW-M 黑色 LCB60PW-M Black	

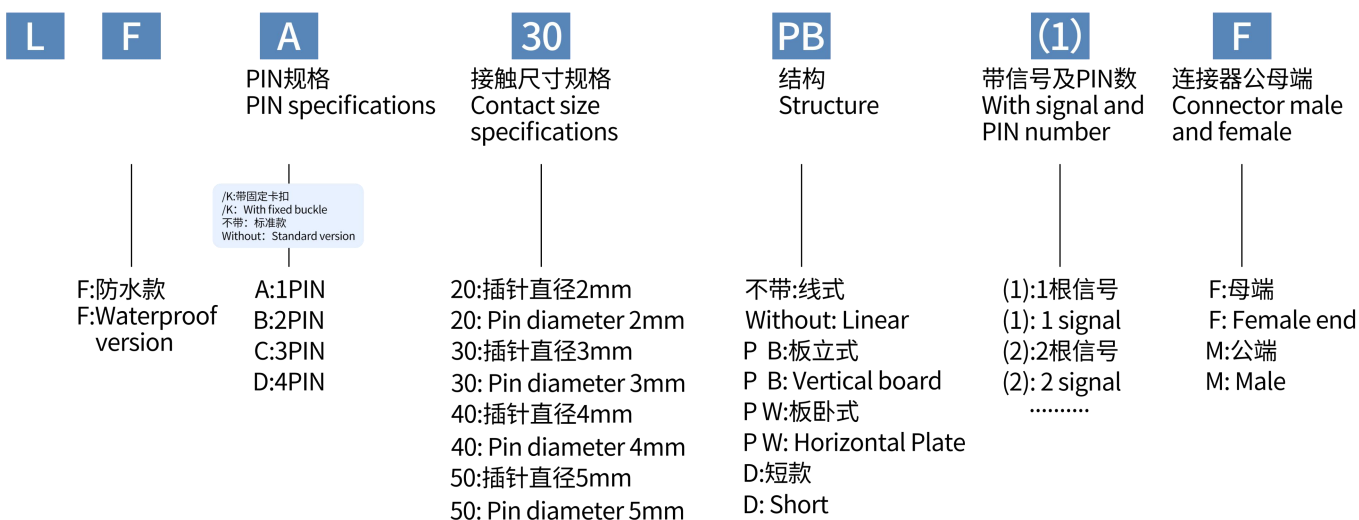
	LCA60	LCB60
PCB 开孔尺寸	<p>LCA60PB-M PCB LAYOUT</p> <p>$\phi 2.20^{+0.10}_{-0.00}$</p> <p>$\phi 6.20^{+0.10}_{-0.00}$</p> <p>$6.80 \pm 0.05$</p>	<p>LCB60PW-M PCB LAYOUT</p> <p>$2-\phi 1.60^{+0.10}_{-0.00}$</p> <p>$24.60 \pm 0.05$</p> <p>$11.30 \pm 0.05$</p> <p>$4.00$</p> <p>$12.30 \pm 0.05$</p> <p>$2-\phi 6.40^{+0.10}_{-0.00}$</p>
PCB Cut-out size		<p>LCB60PB-M PCB LAYOUT</p> <p>$2 \times \phi 6.20^{+0.10}_{-0.00}$</p> <p>$12.30 \pm 0.05$</p> <p>$7.25$</p> <p>$4.70 \pm 0.05$</p> <p>$2.55$</p> <p>$\phi 3.20^{+0.10}_{-0.00}$</p>

【产品说明 Description】

LF 系列产品是防水款的 LC 系列产品，其具备 LC 系列产品的一切优点。该产品具备较为优良的防水效果，防水能力可以达到 IP67，能适应于绝大多数整机产品的防水需求。

The LF series products are waterproof LC series products, which have all the advantages of LC series products. This product has excellent waterproof effect, with a waterproof capacity of up to IP67, which can meet the waterproof requirements of the vast majority of complete machine products.

【型号命名 Type Designation】

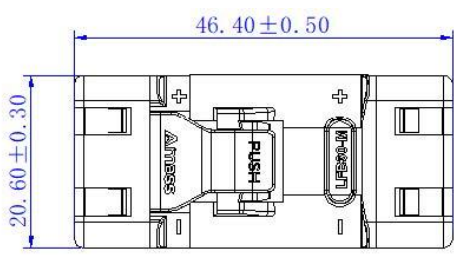
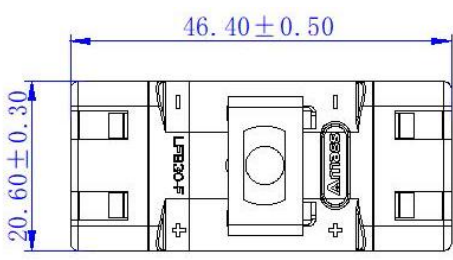


【技术参数 Technical parameters】

额定电压 Rated voltage	150V DC	工作温度 Work temperature	-20~120°C	接触电阻 Contact resistance	≤0.6mΩ
绝缘电阻 Insulation resistance	≥2000MΩ	盐雾 Salt spray	48h	线式连接方式 Wire connection method	六方铆压 Hexagonal riveting
外壳材料 Housing material	PBT	端子材料 Terminal material	紫铜, 镀银 Copper, Silvering	板式连接方式 Plate connection method	焊接 Welding
阻燃等级 Materials flame level	UL94 V-0 (0.8mm)	灼热丝可燃性指数 Flammability index of heating wire	GWFI 850°C (0.8mm)	环保性能 Environmental requirements	RoHS2.0、Reach、PAHS、TSCA、CP65

LF30 系列 LF30 series

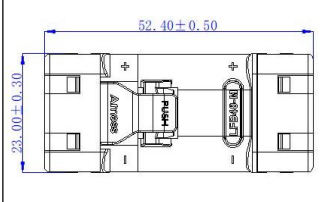
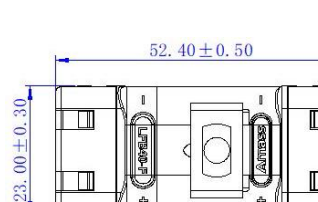
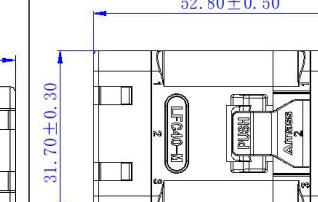
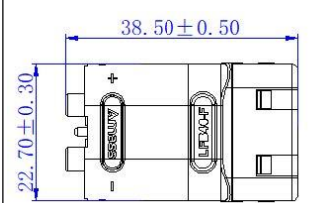
系列 Series	适配线径 Adaptive wire diameter	额定电流 Rated current	温升 Temperature rise	适用的线材绝缘层直径范围 mm Applicable diameter range of wire insulation layer
	A.W.G			
LF30	12#	35A	55K	硅胶线 3.5mm~5.0mm Silicone wire 3.5mm~5.0mm
	14#	30A		
	12#	25A	30K	
	14#	20A		
















安装方式 installation method		LFB30	LFB/K30
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line	 <p>母头 Female</p> <p>公头 Male</p>	 <p>母头 Female</p> <p>公头 Male</p>





产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LFB30-F	LFB30-F 成品 LFB30-F finished product		97019-F.O	LFB30-F 橙色 LFB30-F Orange	
			91022-F.S	LC30-F 铜件 LC30-F copper parts	
LFB30-M	LFB30-M 成品 LFB30-M finished product		97019-M.O	LFB30-M 橙色 LFB30-M Orange	
			99030-M.S	LC30-M 铜件 LC30-M copper parts	
LFB/K30-M	LFB/K30-M 成品 LFB/K30-M finished product		97020-M.O	LFB/K30-M 橙色 LFB/K30-M Orange	
			99030-M.S	LC30-M 铜件 LC30-M copper parts	

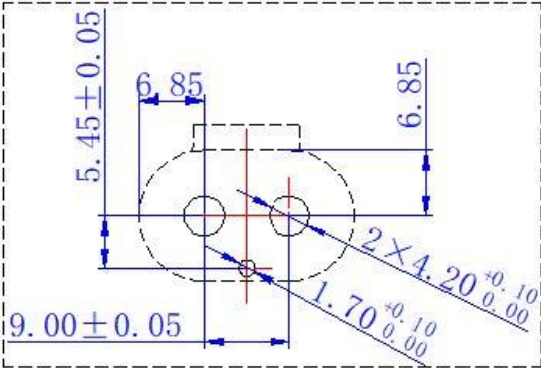
LF40 系列 LF40 series

系列 Series	适配线径 Adaptive wire diameter	额定电流 Rated current	温升 Temperature rise	适用的线材绝缘层直径范围 mm Applicable diameter range of wire insulation layer
	A.W.G			
LF40	10#	45A	55K	硅胶线 4.5mm~6.0mm Silicone wire 4.5mm~6.0mm
	12#	35A		
	10#	35A	30K	
	12#	25A		

安装方式 installation method		LFB40	LFB/K40	LFC40
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line	 <p>母头 Female 公头 Male</p>	 <p>母头 Female 公头 Male</p>	 <p>母头 Female 公头 Male</p>
	线-板立 Line-Plate standing	 <p>公头 Male 母头 Female</p>		

产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LFB40-F	LFB40-F 成品 LFB40-F finished product		97021-F.O	LFB40-F 橙色塑壳 LFB40-F Orange molded shell	
			91020-F.S	LC40-F 铜件 LC40-F copper parts	
LFB40-M	LFB40-M 成品 LFB40-M finished product		97021-M.O	LFB40-M 橙色塑壳 LFB40-M Orange molded shell	
			99028-M.S	LC40-M 铜件 LC40-M copper parts	
LFB40PB-M	LFB40PB-M 成品 LFB40PB-M finished product		LFB40PB-M .S.O	LFB40PB-M 橙色 LFB40PB-M Orange	
LFB/K40-M	LFB/K40-M 成品 LFB/K40-M finished product		97021-M.O	LFB/K40-M 橙色塑壳 LFB/K40-M Orange molded shell	
			99028-M.S	LC40-M 铜件 LC40-M copper parts	
LFC40-F	LFC40-F 成品 LFC40-F finished product		LFC40-F.O	LFC40-F 橙色 LFC40-F Orange	
			LFC40-F.B	LFC40-F 黑色 LFC40-F Black	
			91020-F.S	LC40-F 铜件 LC40-F copper parts	

LFC40-M	LFC40-M 成品 LFC40-M finished product		LFC40-M.O	LFC40-M 橙色 LFC40-M Orange	
			LFC40-M.B	LFC40-M 黑色 LFC40-M Black	
			99028-M.S	LC40-M 铜件 LC40-M copper parts	

LFB40PB-M	
PCB 开孔尺寸 PCB Cut-out size	

LF50 系列 LF50 series

系列 Series	适配线径 Adaptive wire diameter	额定电流 Rated current	温升 Temperature rise	适用的线材绝缘层直径范围 mm Applicable diameter range of wire insulation layer
	A.W.G			
LF50	8#	45A	30K	硅胶线 5.5mm~7.0mm Silicone wire 5.5mm~7.0mm
	10#	30A		
	8#	65A	55K	
	10#	50A		

安装方式 installation method		LFB50
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line	<p>母头 Female 公头 Male</p>

产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LFB50-F	LFB50-F 成品 LFB50-F finished product		97027-F.O	LFB50-F 橙色塑壳 LFB50-F Orange molded shell	
			91023-F.S	LC50-F 铜件 LC50-F copper parts	
LFB50-M	LFB50-M 成品 LFB50-M finished product		97027-M.O	LFB50-M 橙色塑壳 LFB50-M Orange molded shell	
			99031-M.S	LC50-M 铜件 LC50-M copper parts	

LF60 系列 LF60 series

系列 Series	适配线规 Adapter gauge				额定电流 Current rating	温升 temperature rise
	美标 American Standard		国标 National Standard			
	A.W.G	铜丝 mm Copper wire	mm ²	铜丝 mm Copper wire		
LF60	6#	0.08	16	0.31	65A	30K
	8#		10	0.41	55A	
	6#		16	0.31	90A	55K
	8#		10	0.41	70A	

安装方式 installation method		LFB60
产品对插 外轮廓图 Product docking outline diagram	线-线 Line-Line	<p>母头 Female 公头 Male</p>

产品型号 Product model	产品名称 Product name	产品图 Product pictures	组件型号 Component Type	组件名称 Name of Component	组件图 Component diagram
LFB60-F	LFB60-F 成品 LFB60-F finished product		97027-F.O	LFB60-F 橙色塑壳 LFB60-F Orange molded shell	
			91023-F.S	LC60-F 铜件 LC60-F copper parts	
LFB60-M	LFB60-M 成品 LFB60-M finished product		97031-M.O	LFB60-M 橙色塑壳 LFB60-M Orange molded shell	
			99029-M.S	LC60-M 铜件 LC60-M copper parts	

低压大电流动力连接 Low-voltage high-current power connection


【使用说明：详细参考艾迈斯第四代产品使用手册 Instructions for use: Please refer to the user manual of the fourth generation product of AMS for details】

 <p>请勿在向连接器施加外力的状态下使用</p> <p>Do not use under external force applied to the connector</p>	<ul style="list-style-type: none"> ● 请勿在连接器和电线受力的状态下通电。如受到过大的外力，会破损导致故障和事故发生，所以请勿在此情况下使用。 <p>Do not power on the connector and wires when they are under stress. If subjected to excessive external force, it may damage and cause malfunctions and accidents, so please do not use it in this situation.</p> <ul style="list-style-type: none"> ● 连接器是作为电路的连接部件而设计，请勿将连接器作为外壳等结构物体的一部分使用。 <p>Connectors are designed as connecting components for circuits, and should not be used as part of structural objects such as casings.</p>	 <p>请小心使用</p> <p>Please use with caution</p> <ul style="list-style-type: none"> ● 连接器是精密部件，请在使用时谨慎小心。 <p>Connectors are precision components, please be cautious when using them.</p> <ul style="list-style-type: none"> ● 请您从打开包装时起就要谨慎小心，即使是有载带和包装管这样包装的产品，它在受到强烈撞击后，还是会造成端子变形、弯曲、脱出等现象发生。 <p>Please be cautious and careful from the moment you open the packaging. Even products packaged with carrier tapes and packaging tubes can still cause deformation, bending, and detachment of terminals after strong impact.</p>
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【运输和贮存 Transportation and storage】


- 产品应贮存在清洁、干燥的环境下，库房周边不存在酸、碱或其他腐蚀性气体。
The product should be stored in a clean and dry environment, and there should be no acidic, alkaline, or other corrosive gases around the warehouse.
- 产品存储温度为-10°C ~ 40°C，相对湿度≤80%。
The storage temperature of the product is -10 °C to 40 °C, and the relative humidity is ≤ 80%.
- 产品镀银件应避光、封口密封贮存，严禁长时间空气暴露或与硫化物接触，杜绝裸手触摸。
Silver plated products should be stored away from light, sealed, and sealed. Prolonged exposure to air or contact with sulfides is strictly prohibited, and touching with bare hands is strictly prohibited.
- 产品可适用于常规交通工具运输，运输中应避免碰撞、剧烈振动、雨雪淋袭、水浸等。
The product is suitable for transportation by conventional means of transportation, and collision, severe vibration, rain and snow, water immersion, etc. should be avoided during transportation.

常州市艾迈斯电子有限公司
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