4 系_电动工具连接解决方案
4 Series_E-Tool Connectivity Solutions

E-Forklift Truck 电动叉车

E-Lawn Mower 电动割草机

E-farm machinery 电动农机

E-Scrubber 电动洗地机

公司简介
Company Profile

弘林科创建于2015年，是全球知名的大功率连接器整体方案提供商，拥有ISO9001, ISO14001, IATF16949管理体系认证，通过了CE RoHS REACH等国际测试认证，同时也获得中国国家知识产权专利局授权专利约30项左右，是中国国家科技型创新企业, 弘林科在全球拥有2个制造工厂（分别位于中国昆山/河南南阳），5个销售公司（中国/日本/泰国/韩国/美国）

弘林科拥有资深专业的模具设计加工，自动化制造能力，完整的检测设备及技术，打造全球一流的连接器品牌，服务全球用户; 同时我们具有强大的定制化能力，依据不同客户的差异化需求，提供专业，高效，快捷的定制化连接解决方案，为顾客户创造价值.

弘林科专注于新能源连接器，其中1系_M5/M8/M12/M16圆型连接器，2系_储能连接器，3系_电动自行车连接器，4系_电动工具连接器，5系_电动摩托车连接器，6系电动汽车充电枪/座，7系充电桩及放电枪等一站式解决方案.

Founded in 2015, Honlix is a world-renowned total solution provider of high power connectors with ISO9001, ISO14001, IATF16949 management system certification, passed CE RoHS REACH and other international testing and certification, and also obtained about 30 patents authorized by China National Intellectual Property Patent Office, which is a national science and technology-based innovative enterprise in China.

Honlix has 2 manufacturing factories (located in Kunshan, China / Nanyang, Henan Province) and 5 sales companies (China / Japan / Thailand / Korea / USA)

Honlix has experienced and professional mold design and processing, automated manufacturing capabilities, complete testing equipment and technology to build a global first-class connector brand to serve the global user; at the same time, we have a strong ability to customize, according to the different customer needs, to provide professional, efficient, and effective connectors to meet different needs. At the same time, we have a strong customization ability, according to the differentiated needs of different customers, to provide professional, efficient, fast customized connection solutions, to create value for customers.

Honlix specializes in new energy connectors, including Series 1_M5/M8/M12/M16 circular connectors, Series 2_energy storage connectors, Series 3_electric bicycle connectors, Series 4_electric tool connectors, Series 5_electric motorcycle connectors, Series 6electric vehicle charging guns/mounts, Series 7 charging piles and discharging guns, and other one-stop solutions.

Honlix's New HQ

Ownership of Honlix's HQ buliding

公司简介
Company Profile

昆山工厂
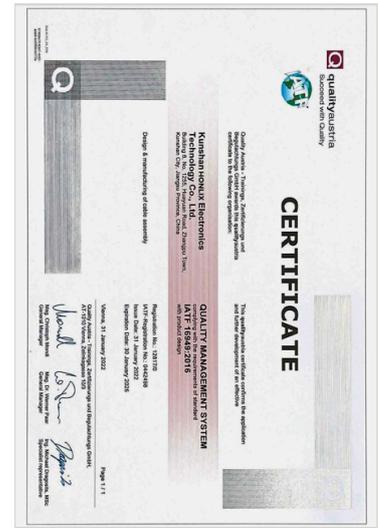Kunshan Factory

河南工厂
Henan Factory

资质证书
Certificates

HONLIX

ISO90001

ISO14000

TS16949

CE

RoHs

CE

Utility model patents

Appearance Patent

EIA report

honlix.com

全球服务
Global Services

1. Kunshan, China_factory
2. Henan, China_factory
3. Shanghai, China_office
4. Yokohama, Japan_office
5. Seoul, Korea_office
6. California, USA_office
7. Bangkok, Thailand_office

1. 中国昆山_工厂
2. 中国河南_工厂
3. 中国上海_销售办公室
4. 日本横滨_销售办公室
5. 韩国首尔_销售办公室
6. 美国加州_销售办公室
7. 泰国曼谷_销售办公室

HONLIX

电动工具连接器应用
E-Tool Connectors Application

Battery Charging Male

Battery Charging Female

Battery Discharging

Brake/Speaker/Display/Light

E-Forklift Truck 电动叉车

E-Lawn Mower 电动割草机

E-Forklift Truck 电动叉车

E-Lawn Mower 电动割草机

honlix.com

4系_产品目录
4 Series_Contents

1. Anderson Connector 安德森连接器

2. Rema Connector 瑞玛连接器

HLK-400

- 75A 2+4 PIN 连接器
- 75A 2+4 PIN Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
- Fast direct plugging and unplugging

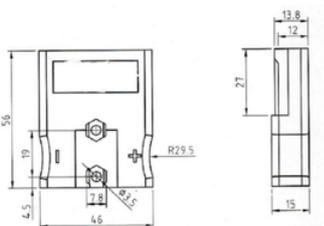- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	75A, 110A/最大/3秒
Rated current:	75A, 110A/最大/3Sec
额定电压:	600V DC
Rated voltage:	600V DC
绝缘电阻:	≥10MΩ
Insulation resistance:	≥10MΩ
阻燃等级:	UL94V-0
Flame retardant rating	UL94V-0
使用环境:	-40°C ~ +105°C
Operating temperature:	-40°C ~ +105°C
防护等级:	IP23 (公母互配后)
IP grade:	IP23 (mated)

端子接线方式:	铆压
Terminal Connection:	Riveting
盐雾测试:	48 H
Salt spray resistance	48 H
耐电压 :	2500V AC
Withstand voltage :	2500V AC
机械寿命:	≥3000 次
Flame retardant rating	≥3000 cycles
拔出力:	≥3N
Pull-out force:	≥3N
环保等级:	RoHS
Environmental grade:	RoHS

商务条款 Terms of business

起订量:	1 pcs
MOQ	1 pcs
交货周期:	2周（紧急订单1周）
L/T	2 weeks

交货条款:	Ex works
Terms of delivery:	Ex works
海关编码:	854422100
HS code:	854422100

产品尺寸 Product dimension

[HLK-400 download online](honlix.com)
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-401

- 50A 2PIN 连接器
- 50A 2PIN Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
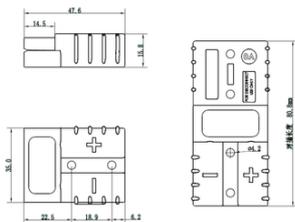- Fast direct plugging and unplugging

- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

- 额定电流: 50A
- Rated current: 50A

- 额定电压: 600V DC
- Rated voltage: 600V DC

- 绝缘电阻: ≥10MΩ
- Insulation resistance: ≥10MΩ

- 阻燃等级: UL94V-0
- Flame retardant rating   UL94V-0

- 使用环境: -40°C ~ +105°C
- Operating temperature: -40°C ~ +105°C

- 防护等级: IP23 (公母互配后)
- IP grade: IP23 (mated)

- 端子接线方式: 铆压
- Terminal Connection: Riveting

- 盐雾测试: 48 H
- Salt spray resistance   48 H

- 耐电压   :   2500V AC
- Withstand voltage   :   2500V AC

- 机械寿命: ≥3000 次
- Flame retardant rating   ≥3000 cycles

- 拔出力: ≥3N
- Pull-out force: ≥3N

- 环保等级: RoHS
- Environmental grade: RoHS

商务条款 Terms of business

- 起订量: 1 pcs
- MOQ   1 pcs

- 交货周期: 2周（紧急订单1周）
- L/T   2 weeks

- 交货条款: Ex works
- Terms of delivery: Ex works

- 海关编码: 854422100
- HS code: 854422100

产品尺寸 Product dimension

HLK-401 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions
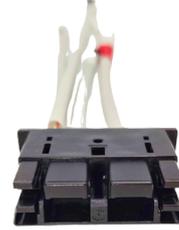
HONLIX

HLK-401-1

- 50A 电源*2PIN+信号*4PIN 电池端 连接器
- 50A Power*2PIN+Signal*4PIN Battery Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
- Fast direct plugging and unplugging
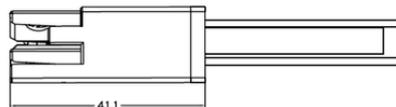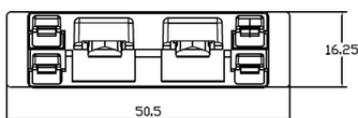- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	50A		端子接线方式:	铆压
Rated current:	50A		Terminal Connection:	Riveting
额定电压:	600V DC		盐雾测试:	48 H
Rated voltage:	600V DC		Salt spray resistance	48 H
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC
阻燃等级:	UL94V-0		机械寿命:	≥10000 次
Flame retardant rating	UL94V-0		Flame retardant rating	≥10000 cycles
使用环境:	-40°C ~ +105°C		拔出力:	≥3N
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N
防护等级:	IP55 (公母互配后)		环保等级:	RoHS
IP grade:	IP55 (mated)		Environmental grade:	RoHS

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T	2 weeks		HS code:	854422100

产品尺寸 Product dimension

16.25

50.5

41.1

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HONLIX

HLK-401-2

- 50A 电源*2PIN+信号*4PIN 换电柜端 连接器
- 50A Power*2PIN+Signal*4PIN Charging Cabinet Side Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
- Fast direct plugging and unplugging
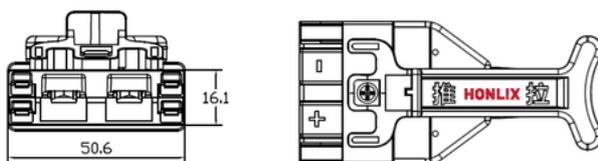- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	50A		端子接线方式:	铆压	
Rated current:	50A		Terminal Connection:	Riveting	
额定电压:	600V DC		盐雾测试:	48 H	
Rated voltage：:	600V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 ：	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage ：	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40℃ ~ +105℃		拔出力:	≥3N	
Operating temperature:	-40℃ ~ +105℃		Pull-out force:	≥3N	
防护等级:	IP55 (公母互配后)		环保等级:	RoHS	
IP grade:	IP55 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T	2 weeks		HS code:	854422100

产品尺寸 Product dimension

16.1

50.6

HLK-401-2 download online

honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-402

- 175A 2PIN 连接器
- 175A 2PIN Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
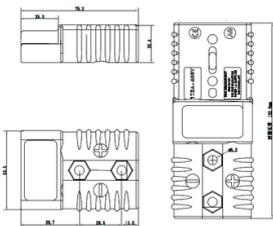- Fast direct plugging and unplugging
- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	175A		端子接线方式:	铆压
Rated current:	175A		Terminal Connection:	Riveting
额定电压:	600V DC		盐雾测试:	48 H
Rated voltage:	600V DC		Salt spray resistance	48 H
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC
阻燃等级:	UL94V-0		机械寿命:	≥3000 次
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles
使用环境:	-40°C ~ +105°C		拔出力:	≥3N
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N
防护等级:	IP23 (公母互配后)		环保等级:	RoHS
IP grade:	IP23 (mated)		Environmental grade:	RoHS

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T	2 weeks		HS code:	854422100

产品尺寸 Product dimension

HLK-402 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-403

- 350A 2PIN 连接器
- 350A 2PIN Connector

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
- Fast direct plugging and unplugging

- 可靠，稳定性高
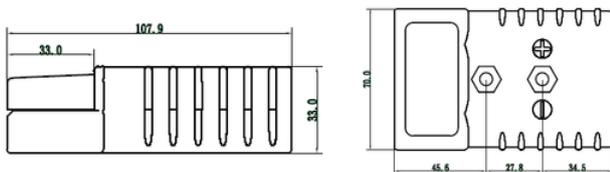- High reliability and stability

技术参数 Technical Data

额定电流:	350A	
Rated current:	350A	
额定电压:	600V DC	
Rated voltage:	600V DC	
绝缘电阻:	≥10MΩ	
Insulation resistance:	≥10MΩ	
阻燃等级:	UL94V-0	
Flame retardant rating	UL94V-0	
使用环境:	-40°C ~ +105°C	
Operating temperature:	-40°C ~ +105°C	
防护等级:	IP23 (公母互配后)	
IP grade:	IP23 (mated)	

端子接线方式:	铆压	
Terminal Connection:	Riveting	
盐雾测试:	48 H	
Salt spray resistance	48 H	
耐电压 ：	2500V AC	
Withstand voltage ：	2500V AC	
机械寿命:	≥3000 次	
Flame retardant rating	≥3000 cycles	
拔出力:	≥3N	
Pull-out force:	≥3N	
环保等级:	RoHS	
Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs	
MOQ	1 pcs	
交货周期:	2周（紧急订单1周）	
L/T	2 weeks	

交货条款:	Ex works	
Terms of delivery:	Ex works	
海关编码:	854422100	
HS code：	854422100	

产品尺寸 Product dimension

HLK-403 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-404

- 80A 电源*2PIN+信号*4PIN 连接器 公
- 80A Power*2+Signal*4 Connector Male

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
- Fast direct plugging and unplugging

- 可靠，稳定性高
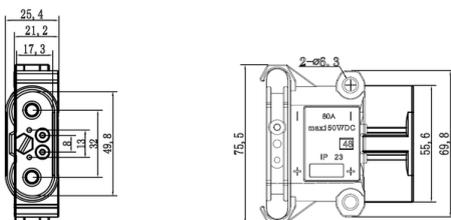- High reliability and stability

技术参数 Technical Data

额定电流:	80A		端子接线方式:	铆压	
Rated current:	80A		Terminal Connection:	Riveting	
额定电压:	150V DC		盐雾测试:	48 H	
Rated voltage：	150V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 ：	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage ：	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40°C ~ +105°C		拔出力:	≥3N	
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N	
防护等级:	IP23 (公母互配后)		环保等级:	RoHS	
IP grade:	IP23 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T:	2 weeks		HS code：	854422100

产品尺寸 Product dimension

HLK-404 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-405

- 80A 电源*2PIN+信号*4PIN 连接器 母
- 80A Power*2+Signal*4 Connector Female

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
- Fast direct plugging and unplugging
- 可靠，稳定性高
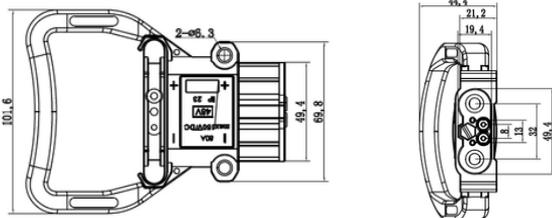- High reliability and stability

技术参数 Technical Data

额定电流:	80A		端子接线方式:	铆压	
Rated current:	80A		Terminal Connection:	Riveting	
额定电压:	150V DC		盐雾测试:	48 H	
Rated voltage:	150V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40°C ~ +105°C		拔出力:	≥3N	
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N	
防护等级:	IP23 (公母互配后)		环保等级:	RoHS	
IP grade:	IP23 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works	
MOQ	1 pcs		Terms of delivery:	Ex works	
交货周期:	2周（紧急订单1周）		海关编码:	854422100	
L/T:	2 weeks		HS code：	854422100	

产品尺寸 Product dimension

HLK-405 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HONLIX

HLK-406

- 160A 电源*2PIN+信号*4PIN 连接器 公
- 160A Power*2+Signal*4 Connector Male

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
- Fast direct plugging and unplugging
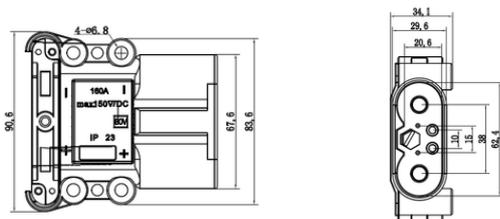- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	160A		端子接线方式:	铆压	
Rated current:	160A		Terminal Connection:	Riveting	
额定电压:	150V DC		盐雾测试:	48 H	
Rated voltage：	150V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40℃ ~ +105℃		拔出力:	≥3N	
Operating temperature:	-40℃ ~ +105℃		Pull-out force:	≥3N	
防护等级:	IP23 (公母互配后)		环保等级:	RoHS	
IP grade:	IP23 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works	
MOQ	1 pcs		Terms of delivery:	Ex works	
交货周期:	2周（紧急订单1周）		海关编码:	854422100	
L/T:	2 weeks		HS code：	854422100	

产品尺寸 Product dimension

HLK-406 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

9

HLK-407

- 160A 电源*2PIN+信号*4PIN 连接器 母
- 160A Power*2+Signal*4 Connector Female

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility
- 快速直接插拔
- Fast direct plugging and unplugging
- 可靠，稳定性高
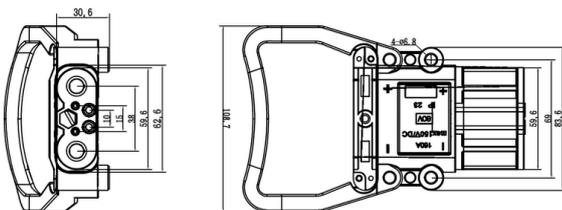- High reliability and stability

技术参数 Technical Data

额定电流:	160A		端子接线方式:	铆压	
Rated current:	160A		Terminal Connection:	Riveting	
额定电压:	150V DC		盐雾测试:	48 H	
Rated voltage：	150V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40°C ~ +105°C		拔出力:	≥3N	
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N	
防护等级:	IP23 (公母互配后)		环保等级:	RoHS	
IP grade:	IP23 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T:	2 weeks		HS code：	854422100

产品尺寸 Product dimension

HLK-407 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-408

- 320A 电源*2PIN+信号*4PIN 连接器 公
- 320A Power*2+Signal*4 Connector Male

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
- Fast direct plugging and unplugging

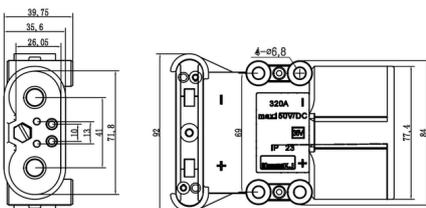- 可靠，稳定性高
- High reliability and stability

技术参数 Technical Data

额定电流:	320A		端子接线方式:	铆压
Rated current:	320A		Terminal Connection:	Riveting
额定电压:	150V DC		盐雾测试:	48 H
Rated voltage:	150V DC		Salt spray resistance	48 H
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC
阻燃等级:	UL94V-0		机械寿命:	≥3000 次
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles
使用环境:	-40°C ~ +105°C		拔出力:	≥3N
Operating temperature:	-40°C ~ +105°C		Pull-out force:	≥3N
防护等级:	IP23 (公母互配后)		环保等级:	RoHS
IP grade:	IP23 (mated)		Environmental grade:	RoHS

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works
MOQ	1 pcs		Terms of delivery:	Ex works
交货周期:	2周（紧急订单1周）		海关编码:	854422100
L/T:	2 weeks		HS code:	854422100

产品尺寸 Product dimension

HLK-408 download online

honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HLK-409

- 320A 电源*2PIN+信号*4PIN 连接器 母
- 320A Power*2+Signal*4 Connector Female

应用领域 Application Areas

- 电动工具设备充放电连接器
- Charge/discharge connectors for power tool equipment

产品功能特点 Product Points

- 兼容性高
- High compatibility

- 快速直接插拔
- Fast direct plugging and unplugging

- 可靠，稳定性高
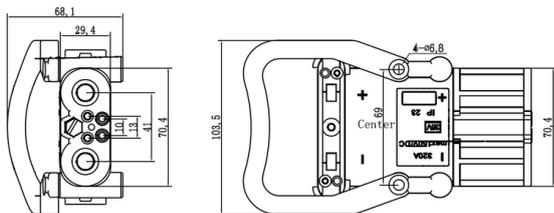- High reliability and stability

技术参数 Technical Data

额定电流:	320A		端子接线方式:	铆压	
Rated current:	320A		Terminal Connection:	Riveting	
额定电压:	150V DC		盐雾测试:	48 H	
Rated voltage:	150V DC		Salt spray resistance	48 H	
绝缘电阻:	≥10MΩ		耐电压 :	2500V AC	
Insulation resistance:	≥10MΩ		Withstand voltage :	2500V AC	
阻燃等级:	UL94V-0		机械寿命:	≥3000 次	
Flame retardant rating	UL94V-0		Flame retardant rating	≥3000 cycles	
使用环境:	-40℃～+105℃		拔出力:	≥3N	
Operating temperature:	-40℃～+105℃		Pull-out force:	≥3N	
防护等级:	IP23 (公母互配后)		环保等级:	RoHS	
IP grade:	IP23 (mated)		Environmental grade:	RoHS	

商务条款 Terms of business

起订量:	1 pcs		交货条款:	Ex works	
MOQ	1 pcs		Terms of delivery:	Ex works	
交货周期:	2周（紧急订单1周）		海关编码:	854422100	
L/T:	2 weeks		HS code:	854422100	

产品尺寸 Product dimension

HLK-409 download online
honlix.com

推荐面板安装尺寸
Recommended Panel Mounting Dimensions

HONLIX

为电动工具提供创新连接解决方案
Innovative connectivity solutions for e-tool

Honlix Inc.

Tel: +86-0512-57445295

Fax: +86-0512-57440096

E-mail: info@honlix.com

http://www.honlix.com

Zip code: 215 300

Add: No 570, Dewang Road, Zhangpu Town, Kunshan City, Jiangsu Province, China.