

电动汽车连接器

EV Connector Catalogue **Version A**



特别提示Attention:

带*产品公司无备货, 供货周期较长, 建议优先选择其他替代, 如W1P600、W1P800优先选择W1PB800A, W1M200优先选择W1M300。
Models remarked * mean long lead time and with no materials stock. Suggest choosing the other one, such as W1PB800A series prior to W1P600 series and W1P800 series, W1M300 series prior to W1M200.

01

塑胶高压连接器系列 Plastic high voltage interlock connector

W1P280系列带高压互锁连接器	001
W1P280 series with high voltage interlock connector	
W1P280L系列带高压互锁连接器	005
W1P280L series with high voltage interlock connector	
W1P360系列带高压互锁连接器	009
W1P360 series with high voltage interlock connector	
*W1P600系列带高压互锁连接器	012
*W1P600 series with high voltage interlock connector	
W1PA630系列带高压互锁连接器	016
W1PA630 series with high voltage interlock connector	
*W1P800系列带高压互锁连接器	024
*W1P800 series with high voltage interlock connector	
W1PA800系列带高压互锁连接器	030
W1PA800 series with high voltage interlock connector	
W1PB800A系列带高压互锁连接器	035
W1PB800A series with high voltage interlock connector	

02

金属高压连接器系列 Metal high voltage connector series

W1M36系列带高压互锁连接器	040
W1M36 series with high voltage interlock connector	
*W1M200系列单芯200A带高压互锁连接器	043
*W1M200 series single core 200A with high voltage interlock connector	
W1M300系列单芯300A带高压互锁连接器	047
W1M300 series single core 300A with high voltage interlock connector	
W1MA300系列单芯250A带高压互锁连接器	051
W1MA300 series single core 250A with high voltage interlock connector	
W1MA500系列单芯500A带高压互锁连接器	057
W1MA500 series single core 500A with high voltage interlock connector	

03

信号传输连接器系列 Signal transimission connector series

W1MUT经典系列信号连接器	061
W1MUT series signal connector	

**特别提示Attention:**

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Models remarked * mean long lead time and with no materials stock. Suggest choosing the other one, such as W1PB800A series prior to W1P600 series and W1P800 series, W1M300 series prior to W1M200.

04**螺接式过孔连接头系列**
Spiral pass-through connector

W1PCPT系列180°过孔连接器	068
W1PCPT series 180°pass-through connector	
W1PCPT-A系列180°过孔连接器	072
W1PCPT-A series 180°pass-through connector	
W1PHD02系列180°两芯/三芯过孔连接器	076
W1PHD02 series 180°2cores/3cores pass-through connector	

05**手动维修保护开关连接器系列**
Manual maintenance protection switch series

W1PMSD手动维修保护开关	080
W1PMSD manual maintenance protection switch	
W1PMSD800手动维修保护开关	084
W1PMSD800 manual maintenance protection switch W1PMINI	
MSD手动维修保护开关	087
W1PMINI MSD manual maintenance protection switch	

06**叉车连接器系列**
Forklift Connector Series

W1PXC01系列叉车连接器	090
W1PXC01 Series Forklift Connector	
W1PXC02系列叉车连接器	094
W1PXC02 Series Forklift Connector	

塑胶高压连接器系列

Plastic high voltage interlock connector

W1P280系列带高压互锁连接器

W1P280 series with high voltage interlock connector



W1P280系列带高压互锁连接器

W1P280 series with high voltage interlock connector

本产品是一款用于电动车、混合动力汽车市场的塑胶外壳高压互锁连接器，主要应用在PDU、空调、PTC、DC/DC、油泵、汽泵、除霜、慢充等设备上。

W1P280 series is the plastic high voltage interlock connector used in electric and hybrid electric vehicles. It applies to PDU, Air-conditioner, PTC, DC/DC, Oil Pump, Air Pump, Auto defrost, AC charging, etc.

产品选型
Product List

W1P280两芯(W1P280 Two Pins)

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P28062*H02	带高压互锁连接器插头/接2.5mm ² 屏蔽线 With high voltage interlock connector plug(male)/2.5mm ² shielded wire	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1P28062*N02	不带高压互锁连接器插头/接2.5mm ² 屏蔽线 Without high voltage interlock connector plug(male)/2.5mm ² shielded wire	2.5mm ² 屏蔽线 2.5mm ² shielded wire
3	W1P28062*H04	带高压互锁连接器插头/接4mm ² 屏蔽线 With high voltage interlock connector plug(male)/4mm ² shielded wire	4mm ² 屏蔽线 4mm ² shielded wire
4	W1P28062*N04	不带高压互锁连接器插头/接4mm ² 屏蔽线 Without high voltage interlock connector plug(male)/4mm ² shielded wire	4mm ² 屏蔽线 4mm ² shielded wire
5	W1P28062*H06	带高压互锁连接器插头/接6mm ² 屏蔽线 With high voltage interlock connector plug(male)/6mm ² shielded wire	6mm ² 屏蔽线 6mm ² shielded wire
6	W1P28062*N06	不带高压互锁连接器插头/接6mm ² 屏蔽线 Without high voltage interlock connector plug(male)/6mm ² shielded wire	6mm ² 屏蔽线 6mm ² shielded wire
7	W1P28002*H02	带高压互锁连接器插座/接2.5mm ² 非屏蔽线 With high voltage interlock connector socket(female)/ 2.5mm ² unshielded wire	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
8	W1P28002*N02	不带高压互锁连接器插座/接2.5mm ² 非屏蔽线 Without high voltage interlock connector socket(female)/ 2.5mm ² unshielded wire	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
9	W1P28002*H04	带高压互锁连接器插座/接4mm ² 非屏蔽线 With high voltage interlock connector socket(female)/ 4mm ² unshielded wire	4mm ² 非屏蔽线 4mm ² unshielded wire
10	W1P28002*N04	不带高压互锁连接器插座/接4mm ² 非屏蔽线 Without high voltage interlock connector socket(female)/ 4mm ² unshielded wire	4mm ² 非屏蔽线 4mm ² unshielded wire
11	W1P28002*H06	带高压互锁连接器插座/接6mm ² 非屏蔽线 With high voltage interlock connector socket(female)/ 6mm ² unshielded wire	6mm ² 非屏蔽线 6mm ² unshielded wire
12	W1P28002*N06	不带高压互锁连接器插座/接6mm ² 非屏蔽线 Without high voltage interlock connector socket(female)/ 6mm ² unshielded wire	6mm ² 非屏蔽线 6mm ² unshielded wire

说明：“*”代表键位，有A、B、D三种键位选择。Remark：* represents Protection key, A,B,D Protection key optional.

性能参数
Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	800V DC	防护等级 Protection	IP67	壳体材料 Shell material	尼龙(Nylon,PA66/PBT)
额定电流 (工作环境 温度30℃) Rated current (ambient temperature 30℃)	20A (适配电缆Fit for:2.5mm ²) 25A (适配电缆Fit for:4mm ²) 40A (适配电缆Fit for:6mm ²)	环境温度 Temperature range	-40℃~+125℃	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	两芯(Two Pins)	插针及插孔材料 Pin and Contact Material	黄铜(Brass)
绝缘电阻 Insulation resistance	≥2000MΩ 常态 (Normalcy)	配线规格 Wire size	2.5~6mm ²	表面处理 Plating	镀银/镀镍(Silvering/Nickeling)
耐压 Withstand Voltage	2750V AC	机械寿命 Minimum Mating Cycles	≥50次 (Times)	密封体 Seals	硅橡胶(Silicon Rubber)

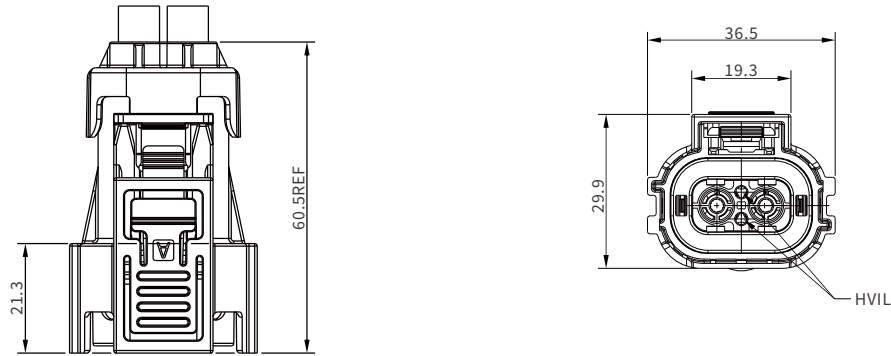
产品特点
Product characteristic

该产品为塑胶高压连接器，体积小，结构紧凑，两级解锁。可接多种电缆，有多种防误插键位，带高压互锁，有防手指触电设计，360°屏蔽。

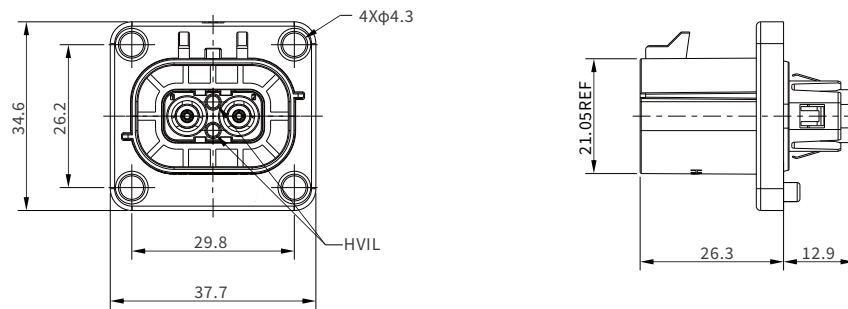
This product is plastic high voltage connector, small size, compact structure, two electric poles controlled. It could connect to different types of wires with high voltage interlock, preventing mistaken Protection keys and electric shock protection, 360° shielded.

外形尺寸
External Size

两芯插头外形图Two cores plug dimension

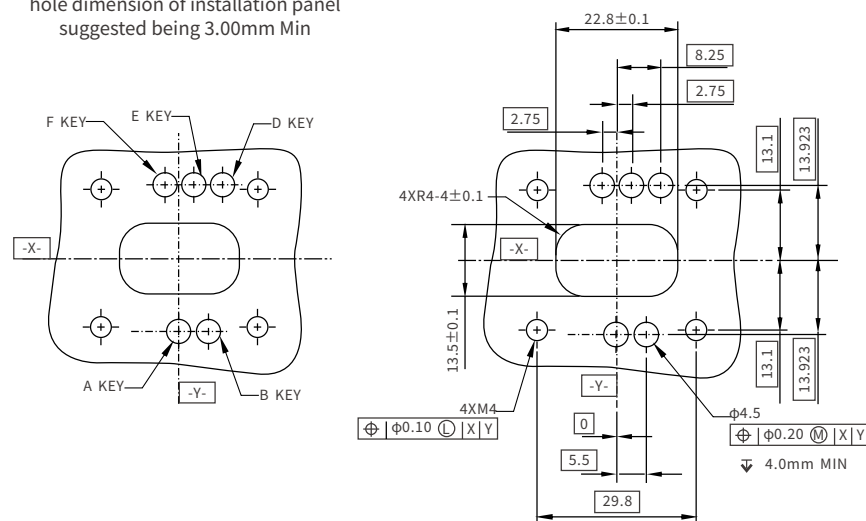


两芯插座外形图Two cores receptacle dimension



两芯插座外形图推荐安装开孔尺寸Recommended install trepanning size

安装面板建议开孔尺寸面板厚度3.00mm
hole dimension of installation panel
suggested being 3.00mm Min



注：防呆孔只需要开对应键位的一个孔，尺寸见右图

Remark: Alternate keying positions just one enough for Protection key, size as right drawing

选型说明
Model description

产品系列Product series	W1P280	0	2	A	H	02	N
O-法兰盘安装插座(配插针) O-Flange wall mounting receptacle (with pins)							
6-插头(配插孔) 6-Plug(include contacts)							
芯数: 2-两芯 Cores:2-2 cores							
防误插键位 :A-A键位 B-B键位 D-D键位 E-E键位 F-F键位 Protection key: A key B key D key E key F key							
高压互锁 : H-带高压互锁 N-不带高压互锁 High voltage interlock: H-high voltage interlock N-Without HVIL							
02-适配2.5平方线缆 04-适配4平方线缆 02-fit for 2.5mm ² wire 04-fit for 4mm ² wire							
06-适配6平方线缆 06-fit for 6mm ² wire							
仅限插头 空缺:屏蔽线 N:非屏蔽线 For plug, blank: shielded wire N: unshielded wire							
仅限插座 空缺:带定位柱 N:无定位柱 For receptacle, blank: positioning N: no positioning							

W1P280 series with high voltage interlock connector
W1P280 系列带高压互锁连接器

塑胶高压连接器系列

Plastic high voltage interlock connector

W1P280L 系列带高压互锁连接器
W1P280L series with high voltage interlock connector



W1P280L系列带高压互锁连接器

W1P280L series with high voltage interlock connector

W1P280L系列主要应用于电动汽车空调、PTC、DC/DC、油泵、气泵、除霜、慢充、PDU等高压小电流设备上。

W1P280L series mainly applies to high voltage and low current EV, air conditioner, PTC, DC/DC, Oil Pump, Air Pump, Auto defrost, AC charging, etc.

产品选型
Product List

插头型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P280L62*H02	插头*键位带高压互锁插头 plug*with high voltage interlock plug	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1P280L62*H04	插头*键位带高压互锁插头 plug*with high voltage interlock plug	4.0mm ² 屏蔽线 4.0mm ² shielded wire
3	W1P280L62*H06	插头*键位带高压互锁插头 plug*with high voltage interlock plug	6.0mm ² 屏蔽线 6.0mm ² shielded wire
4	W1P280L62*N02	插头*键位无高压互锁插头 plug*without high voltage interlock plug	2.5mm ² 屏蔽线 2.5mm ² shielded wire
5	W1P280L62*N04	插头*键位无高压互锁插头 plug*without high voltage interlock plug	4.0mm ² 屏蔽线 4.0mm ² shielded wire
6	W1P280L62*N06	插头*键位无高压互锁插头 plug*without high voltage interlock plug	6.0mm ² 屏蔽线 6.0mm ² shielded wire

插座型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P280L02*H02	插座*键位带高压互锁插座 Socket*with high voltage interlock socket	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
2	W1P280L02*H04	插座*键位带高压互锁插座 Socket*with high voltage interlock socket	4.0mm ² 非屏蔽线 4.0mm ² unshielded wire
3	W1P280L02*H06	插座*键位带高压互锁插座 Socket*with high voltage interlock socket	6.0mm ² 非屏蔽线 6.0mm ² unshielded wire
4	W1P280L02*N02	插座*键位无高压互锁插座 Socket*without high voltage interlock socket	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
5	W1P280L02*N04	插座*键位无高压互锁插座 Socket*without high voltage interlock socket	4.0mm ² 非屏蔽线 4.0mm ² unshielded wire
6	W1P280L02*N06	插座*键位无高压互锁插座 Socket*without high voltage interlock socket	6.0mm ² 非屏蔽线 6.0mm ² unshielded wire

性能参数
Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	800V DC	防护等级 Protection	IP67	壳体材料 Shell material	PA66+GF25
额定电流 (工作环境 温度30°C) Rated current (ambient temperature 30°C)	20A (适配电缆Fit for: 2.5mm ²) 25A (适配电缆Fit for: 4mm ²) 40A (适配电缆Fit for: 6mm ²)	环境温度 Temperature range	-40°C~+125°C	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	两芯(Two Pins)	插针及插孔材料 Pin and Contact Material	铜合金(Copper Alloy)
		配线规格 Wire size	2.5~6mm ²	表面处理 Plating	镀银/镀镍(Silvering/Nickeling)
		电磁屏蔽 Electromagnetic Shielding	360°屏蔽(360°Shielding)	密封体 Seals	硅橡胶(Silicon Rubber)
绝缘电阻 Insulation resistance	≥2000MΩ 常态 (Normalcy)	机械寿命 Minimum Mating Cycles	≥50次 (Times)		
耐压 Withstand Voltage	2750V AC				

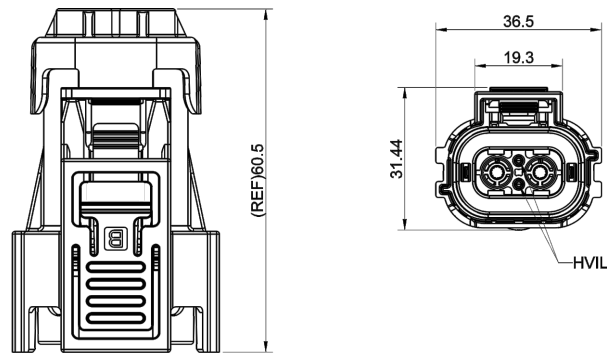
产品特点
Product characteristic

该产品为塑胶外壳连接器, 具有体积小, 重量轻, 便于安装, 可靠性高。具有多种防误插键位, 接线范围大, 360°屏蔽等功能。

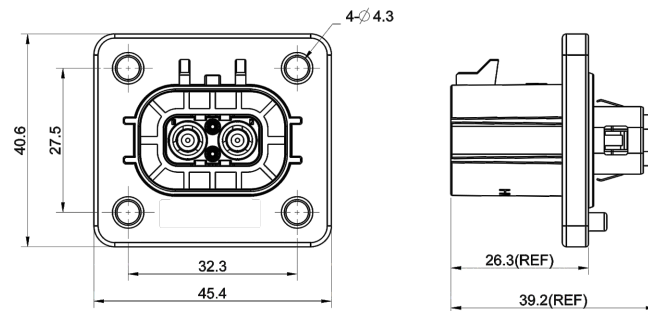
This is a plastic shell connector with small size, low weight, easy installation, and good reliability. It contains many preventing mistaken Protection keyes, and wide wiring range, 360° shielded.

外形尺寸
External Size

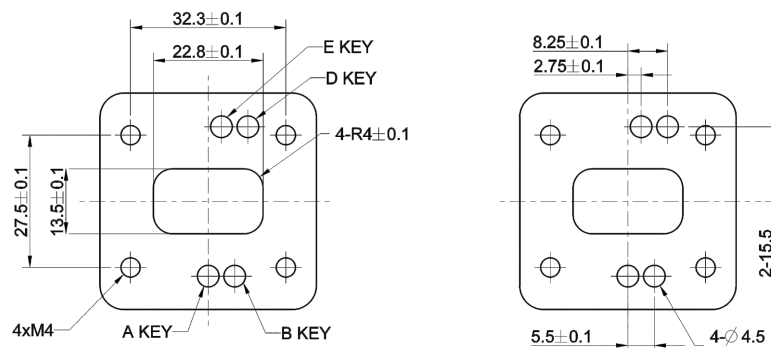
两芯插头外形图Two cores plug dimension



两芯插座外形图Two cores receptacle dimension



两芯面板开孔尺寸 (面板建议厚度: 3.5mm min)
Recommended install trepanning size (panel thickness suggested: 3.2mm min)



选型说明
Model description

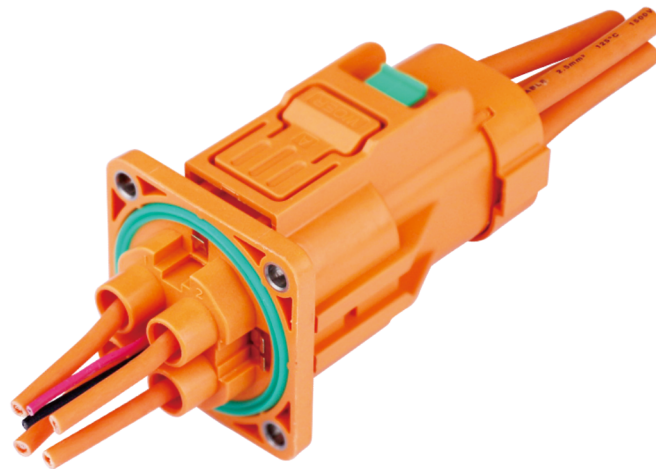
产品系列Product series	W1P280L	62	A	H	02
62-两芯插头 02-两芯插座 62-2 cores Plug 02-2 cores Receptacle					
防误插键位 :A-A键位 B-B键位 D-D键位 E-E键位 F-F键位 Protection key: A key B key D key E key F key					
高压互锁 : H-带高压互锁 N-不带高压互锁 High voltage interlock: H-high voltage interlock N-Without HVIL					
接线规格 :02-2.5mm ² ,04-4.0mm ² ,06-6.0mm ²					

W1P280L series with high voltage interlock connector
W1P280L 系列带高压互锁连接器

塑胶高压连接器系列

Plastic high voltage interlock connector

W1P360系列带高压互锁连接器
W1P360 series with high voltage interlock connector



W1P360系列带高压互锁连接器

W1P360 series with high voltage interlock connector

W1P360系列主要应用于电动汽车多合一上, 连接空调, PTC等设备。

W1P360 series mainly applies to EV all-in-one solution, connecting to air-conditioner and PTC.

产品选型
Product List

插头型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P36064AH02	插头A键位 带高压互锁插头 Plug A Protection key with high voltage interlock plug	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1P36064AH04	插头A键位 带高压互锁插头 Plug A Protection key with high voltage interlock plug	4.0mm ² 屏蔽线 4.0mm ² shielded wire
3	W1P36064AH06	插头A键位 带高压互锁插头 Plug A Protection key with high voltage interlock plug	6.0mm ² 屏蔽线 6.0mm ² shielded wire

插座型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P36004AH02	插座A键位 带高压互锁插座 Socket A Protection key with high voltage interlock socket	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
2	W1P36004AH04	插座A键位 带高压互锁插座 Socket A Protection key with high voltage interlock socket	4.0mm ² 非屏蔽线 4.0mm ² unshielded wire
3	W1P36004AH06	插座A键位 带高压互锁插座 Socket A Protection key with high voltage interlock socket	6.0mm ² 非屏蔽线 6.0mm ² unshielded wire

性能参数

Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	800V DC	防护等级 Protection	IP67	壳体材料 Shell material	PA66+GF25
额定电流 (工作环境 温度30°C) Rated current (ambient temperature 30°C)	20A (适配电缆Fit for: 2.5mm ²) 25A (适配电缆Fit for: 4mm ²) 40A (适配电缆Fit for: 6mm ²)	环境温度 Temperature range	-40°C~+125°C	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	四芯 (Four Pins)	插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
		配线规格 Wire size	2.5~6mm ²		
绝缘电阻 Insulation resistance	≥2000MΩ	电磁屏蔽 Electromagnetic Shielding	360°屏蔽 (360°Shielding)	表面处理 Plating	镀银 (Silvering)
耐压 Withstand Voltage	2750V AC	机械寿命 Minimum Mating Cycles	≥50次 (Times)	密封体 Seals	硅橡胶 (Silicon Rubber)

产品特点

Product characteristic

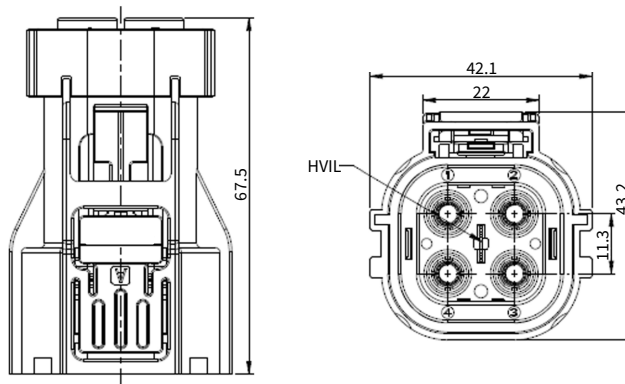
该产品为塑胶外壳连接器, 具有体积小, 重量轻, 便于安装, 可靠性高, 可在多合一上替代两个两芯接口, 节省成本。

This is a plastic shell connector with small size, low weight, easy installation, and better reliability. It applies to all-in-one solution instead of two 2 pins connectors to save more.

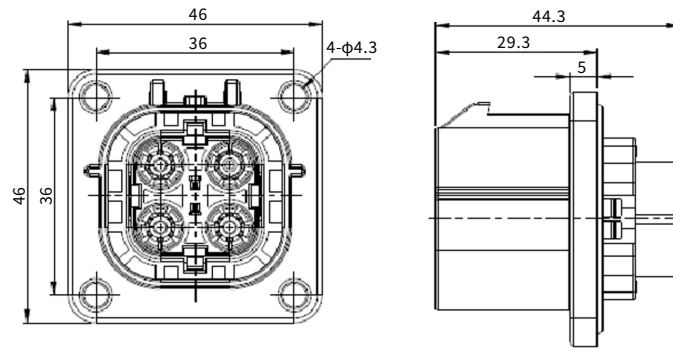
外形尺寸

External Size

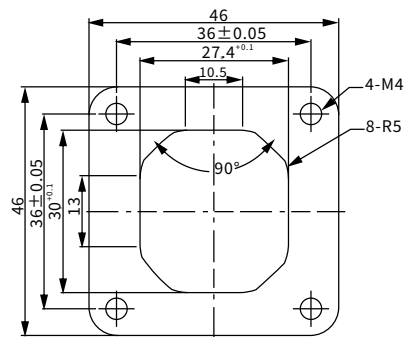
插头外形图 plug dimension



插座外形 receptacle dimension



推荐插座安装开孔尺寸Recommended install trepanning size



选型说明 Model description

产品系列Product series	W1P360	64	A	H	02
64-四芯插头 64-4 cores Plug	04-四芯插座 04-4 cores Receptacle				
防误插键位(Key):A-A键位 B-B键位 C-C键位 D-D键位 ,目前只有A键位可选 Protection key: A key B key D key,Just A Protection key optional at present					
高压互锁: H-带高压互锁 N-不带高压互锁 High voltage interlock: H-high voltage interlock N-Without HVIL					
接线规格 :02-2.5mm ² ,04-4.0mm ² ,06-6.0mm ²					

塑胶高压连接器系列

Plastic high voltage interlock connector

W1P600系列带高压互锁连接器

W1P600 series with high voltage interlock connector



W1P600系列带高压互锁连接器

W1P600 series with high voltage interlock connector

本产品是一款用于电动车、混合动力汽车市场的塑胶外壳高压互锁连接器，能满足动力电池、电机控制器、PDU等多种高压大电流的连接需求。

This product is a plastic HV interlock connector used in EV and hybrid EV, serving HV and large current of power battery, motor controller and PDU.

产品选型 Product List

W1P600两芯 W1P600 Two Cores

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P60002*HC10	插座/接10mm ² 非屏蔽线/带高压互锁 Socket/10mm ² unshielded wire/With high voltage interlock	10mm ² 非屏蔽线 10mm ² unshielded wire
2	W1P60002*NC10	插座/接10mm ² 非屏蔽线/不带高压互锁 Socket/10mm ² unshielded wire/Without high voltage interlock	10mm ² 非屏蔽线 10mm ² unshielded wire
3	W1P60002*HC16	插座/接16mm ² 非屏蔽线/带高压互锁 Socket/16mm ² unshielded wire/With high voltage interlock	16mm ² 非屏蔽线 16mm ² unshielded wire
4	W1P60002*NC16	插座/接16mm ² 非屏蔽线/不带高压互锁 Socket/16mm ² unshielded wire/Without high voltage interlock	16mm ² 非屏蔽线 16mm ² unshielded wire
5	W1P60002*HC25	插座/接25mm ² 非屏蔽线/带高压互锁 Socket/25mm ² unshielded wire/With high voltage interlock	25mm ² 非屏蔽线 25mm ² unshielded wire
6	W1P60002*NC25	插座/接25mm ² 非屏蔽线/不带高压互锁 Socket/25mm ² unshielded wire/Without high voltage interlock	25mm ² 非屏蔽线 25mm ² unshielded wire
7	W1P60002*HH	插座/接铜排/带高压互锁 Socket/Copper bar/With high voltage interlock	接铜排 Copper bar
8	W1P60002*NH	插座/接铜排/不带高压互锁 Socket/Copper bar/Without high voltage interlock	接铜排 Copper bar
9	W1P60062*HC10	插头/接10mm ² 屏蔽线/带高压互锁 Plug/10mm ² shielded wire/With high voltage interlock	10mm ² 屏蔽线 10mm ² shielded wire
10	W1P60062*NC10	插头/接10mm ² 屏蔽线/不带高压互锁 Plug/10mm ² shielded wire/Without high voltage interlock	10mm ² 屏蔽线 10mm ² shielded wire
11	W1P60062*HC16	插头/接16mm ² 屏蔽线/带高压互锁 Plug/16mm ² shielded wire/With high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
12	W1P60062*NC16	插头/接16mm ² 屏蔽线/不带高压互锁 Plug/16mm ² shielded wire/Without high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
13	W1P60062*HC25	插头/接25mm ² 屏蔽线/带高压互锁 Plug/25mm ² shielded wire/With high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
14	W1P60062*NC25	插头/接25mm ² 屏蔽线/不带高压互锁 Plug/25mm ² shielded wire/Without high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
15	W1P60062*HC35	插头/接35mm ² 屏蔽线/带高压互锁 Plug/35mm ² shielded wire/With high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
16	W1P60062*NC35	插头/接35mm ² 屏蔽线/不带高压互锁 Plug/35mm ² shielded wire/Without high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire

说明：“*”代表键位，有A、B、D三种键位选择。Remark：* represents Protection key, A,B,D Protection key optional.

性能参数 Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	800V DC	防护等级 Protection	IP67	壳体材料 Shell material	PA66
额定电流 (工作环境 温度30℃) Rated current (Ambient temperature 30℃)	60A (适配电缆Fit for:10mm ²) 80A (适配电缆Fit for:16mm ²) 120A (适配电缆Fit for:25mm ²) 150A (适配电缆Fit for:35mm ²)	环境温度 Temperature Range	-40℃~+125℃	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	两芯(Two Pins)	插针及插孔材料 Pin and Contact Material	铜合金(Copper Alloy)
		配线规格 Wire size	10~35mm ²		
绝缘电阻 Insulation Resistance	≥1000MΩ(常态Normalcy)	电磁屏蔽 Electromagnetic Shielding	360°屏蔽(360°Shielding)	表面处理 Plating	镀银(Silvering)
耐压 Withstand Voltage	3000V AC	机械寿命 Duration	≥50次 (Times)	密封体 Seals	硅橡胶(Silicon Rubber)

产品特点 Product characteristic

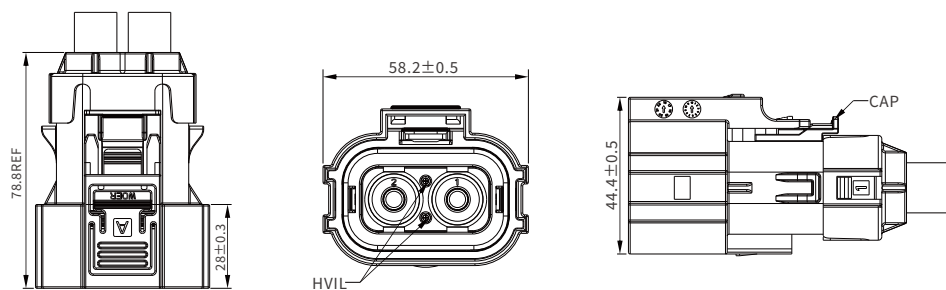
该产品为塑胶高压连接器，结构紧凑，两级解锁。可接多种电缆，有多种防误插键位，带高压互锁，有防手指触电设计，360°屏蔽。

This product is a plastic high voltage connector, compact structure, two electric poles controlling. It could connect to different types of cables with high voltage interlock, preventing mistaken Protection keyes and electric shock protection, 360°shielded.

外形尺寸

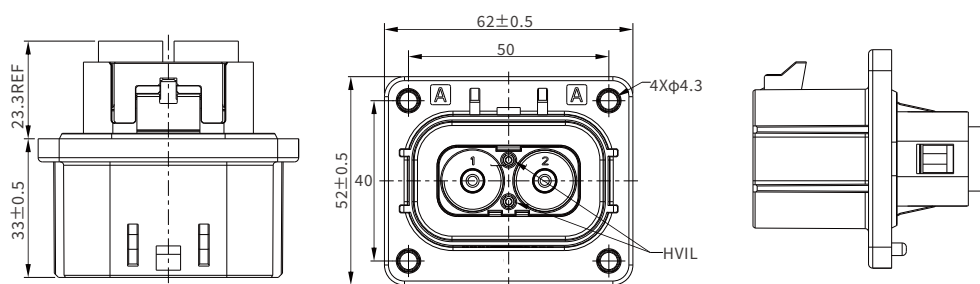
External Dimension

插头外形图 Plug External Dimension



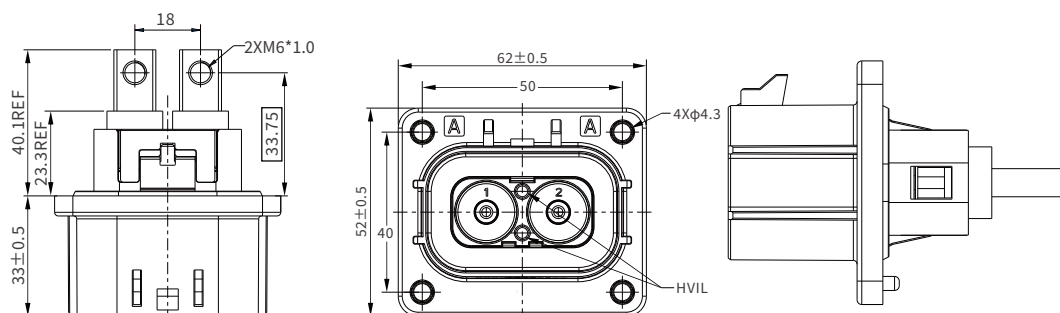
插座 (接线缆) 外形图和推荐安装开孔尺寸

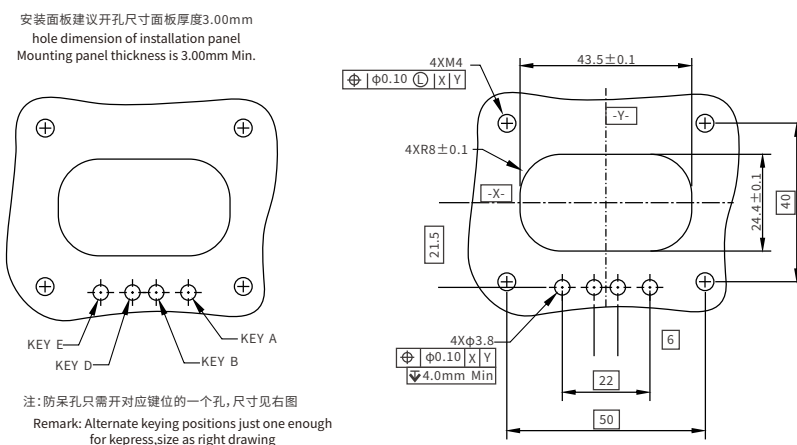
Receptacle (connected with wire) dimension and recommended install trepanning size



插座 (接铜排) 外形图和推荐安装开孔尺寸

Receptacle (connected with copper bar) dimension and recommended install trepanning size





选型说明 Model Description

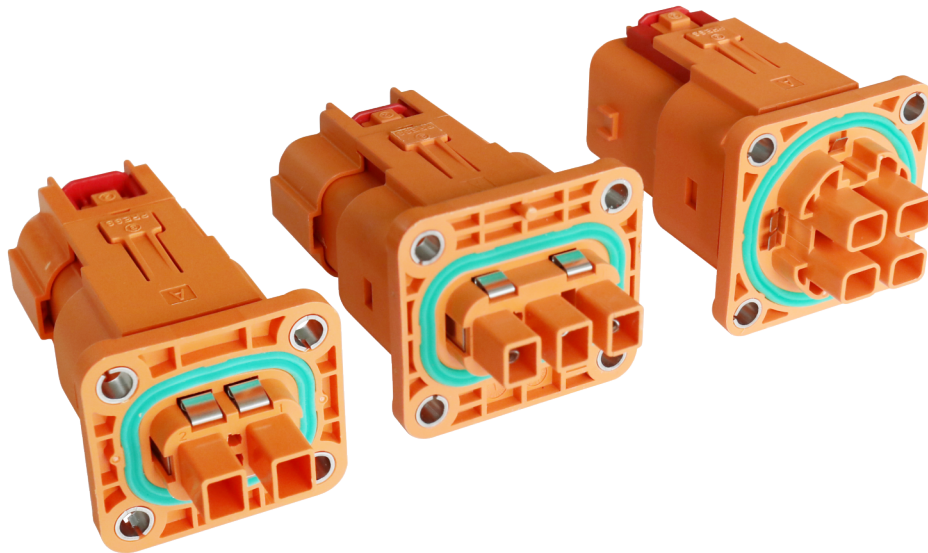
产品系列Series Offering	W1P600	0	2	A	H	C25	N
0-法兰盘安装插座(配插针) 0-Flange wall mounting receptacle (with pins) 6-直头插头(配插孔) 6-Plug (include contacts)							
芯数 :2-两芯 cores: 2 cores							
防误插键位:A-A键位 B-B键位 D-D键位 Protection key: A key B key D key							
高压互锁:H-带高压互锁 N-不带高压互锁 High voltage interlock: H-high voltage interlock N-Without HVIL							
H-铜排扁平孔锁紧端子(仅限插座) H-copper bar with flat lock terminals(only for receptacle) C*-压接线缆端子 C*-crimp with terminal block *代表适配线缆规格 C10-适配10平方线缆 *represents Applicable wire size C10-10mm ² C16-适配16平方线缆 C16-16mm ² C25-适配25平方线缆 C25-25mm ² C35-适配35平方线缆 C35-35mm ²							
仅限插头 空缺:屏蔽线 N:非屏蔽线 For plug blank: shielded wire N: unshielded wire 仅限插座 空缺:带定位柱 N:无定位柱 For receptacle blank: positioning N: no positioning							

塑胶高压连接器系列

Plastic high voltage interlock connector

W1PA630系列带高压互锁连接器

W1PA630 series with high voltage interlock connector



W1PA630系列带高压互锁连接器
W1PA630 series with high voltage interlock connertor

本产品是一款用于电动车、混合动力汽车市场的塑胶外壳高压互锁连接器，能满足动力电池、电机控制器、PDU等多种高压大电流的连接需求。

This product is a plastic HV interlock connector used in EV,hybrid EV, serving HV and large current HV and large current of power battery,motor controller, and PDU.

产品选型
Product List

W1PA630两芯 W1PA630 Two Cores

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1PA63062AH02	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1PA63062BH02	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
3	W1PA63062CH02	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
4	W1PA63062DH02	高压互锁/插头/D键位 High voltage interlock/Plug/key D	
5	W1PA63062AH02-1	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
6	W1PA63062BH02-1	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
7	W1PA63062CH02-1	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
8	W1PA63062DH02-1	高压互锁/插头/D键位 High voltage interlock/Plug/key D	
9	W1PA63062AH04	高压互锁/插头/A键位 High voltage interlock/Plug/key A	4mm ² 屏蔽线 4mm ² shielded wire
10	W1PA63062BH04	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
11	W1PA63062CH04	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
12	W1PA63062DH04	高压互锁/插头/D键位 High voltage interlock/Plug/key D	
13	W1PA63062AH06	高压互锁/插头/A键位 High voltage interlock/Plug/key A	6mm ² 屏蔽线 6mm ² shielded wire
14	W1PA63062BH06	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
15	W1PA63062CH06	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
16	W1PA63062DH06	高压互锁/插头/D键位 High voltage interlock/Plug/key D	
17	W1PA63002AH02	高压互锁/插座/A键位 High voltage interlock/Socket/key A	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
18	W1PA63002BH02	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
19	W1PA63002CH02	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
20	W1PA63002DH02	高压互锁/插座/D键位 High voltage interlock/Socket/key D	
21	W1PA63002AH04	高压互锁/插座/A键位 High voltage interlock/Socket/key A	4mm ² 非屏蔽线 4mm ² unshielded wire
22	W1PA63002BH04	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
23	W1PA63002CH04	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
24	W1PA63002DH04	高压互锁/插座/D键位 High voltage interlock/Socket/key D	
25	W1PA63002AH06	高压互锁/插座/A键位 High voltage interlock/Socket/key A	6mm ² 非屏蔽线 6mm ² unshielded wire
26	W1PA63002BH06	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
27	W1PA63002CH06	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
28	W1PA63002DH06	高压互锁/插座/D键位 High voltage interlock/Socket/key D	

W1PA630三芯 W1PA630 Three Cores

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1PA63063AH02	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1PA63063BH02	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
3	W1PA63063CH02	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
4	W1PA63063AH02-1	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
5	W1PA63063BH02-1	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
6	W1PA63063CH02-1	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
7	W1PA63063AH04	高压互锁/插头/A键位 High voltage interlock/Plug/key A	4mm ² 屏蔽线 4mm ² shielded wire
8	W1PA63063BH04	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
9	W1PA63063CH04	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
10	W1PA63063AH06	高压互锁/插头/A键位 High voltage interlock/Plug/key A	6mm ² 屏蔽线 6mm ² shielded wire
11	W1PA63063BH06	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
12	W1PA63063CH06	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
13	W1PA63003AH02	高压互锁/插座/A键位 High voltage interlock/Socket/key A	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
14	W1PA63003BH02	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
15	MPW1PA63003CH02	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
16	W1PA63003AH04	高压互锁/插座/A键位 High voltage interlock/Socket/key A	4mm ² 非屏蔽线 4mm ² unshielded wire
17	W1PA63003BH04	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
18	W1PA63003CH04	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
19	W1PA63003AH06	高压互锁/插座/A键位 High voltage interlock/Socket/key A	6mm ² 非屏蔽线 6mm ² unshielded wire
20	W1PA63003BH06	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
21	W1PA63003CH06	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
22	W1PA63003AH02-F	高压互锁/插座/A键位/分体胶芯 High voltage interlock/Socket/key A/Separate rubber core	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
23	W1PA63003BH02-F	高压互锁/插座/B键位/分体胶芯 High voltage interlock/Socket/key B/Separate rubber core	
24	W1PA63003CH02-F	高压互锁/插座/C键位/分体胶芯 High voltage interlock/Socket/key C/Separate rubber core	
25	W1PA63003AH04-F	高压互锁/插座/A键位/分体胶芯 High voltage interlock/Socket/key A/Separate rubber core	4mm ² 非屏蔽线 4mm ² unshielded wire
26	W1PA63003BH04-F	高压互锁/插座/B键位/分体胶芯 High voltage interlock/Socket/key B/Separate rubber core	
27	W1PA63003CH04-F	高压互锁/插座/C键位/分体胶芯 High voltage interlock/Socket/key C/Separate rubber core	
28	W1PA63003AH06-F	高压互锁/插座/A键位/分体胶芯 High voltage interlock/Socket/key A/Separate rubber core	6mm ² 非屏蔽线 6mm ² unshielded wire
29	W1PA63003BH06-F	高压互锁/插座/B键位/分体胶芯 High voltage interlock/Socket/key B/Separate rubber core	
30	W1PA63003CH06-F	高压互锁/插座/C键位/分体胶芯 High voltage interlock/Socket/key C/Separate rubber core	

MPW1PA630四芯 MPW1PA630 Four Cores

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1PA63064AH02	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
2	W1PA63064BH02	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
3	W1PA63064CH02	高压互锁/插头/C键位 High voltage interlock/Plug/key C	

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
4	W1PA63064AH02-1	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 屏蔽线 2.5mm ² shielded wire
5	W1PA63064BH02-1	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
6	W1PA63064CH02-1	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
7	W1PA63064AH04	高压互锁/插头/A键位 High voltage interlock/Plug/key A	4mm ² 屏蔽线 4mm ² shielded wire
8	W1PA63064BH04	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
9	W1PA63064CH04	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
10	W1PA63064AH06	高压互锁/插头/A键位 High voltage interlock/Plug/key A	6mm ² 屏蔽线 6mm ² shielded wire
11	W1PA63064BH06	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
12	W1PA63064CH06	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
13	W1PA63004AH02	高压互锁/插头/A键位 High voltage interlock/Plug/key A	2.5mm ² 非屏蔽线 2.5mm ² unshielded wire
14	W1PA63004BH02	高压互锁/插头/B键位 High voltage interlock/Plug/key B	
15	W1PA63004CH02	高压互锁/插头/C键位 High voltage interlock/Plug/key C	
16	W1PA63004AH04	高压互锁/插座/A键位 High voltage interlock/Socket/key A	4mm ² 非屏蔽线 4mm ² unshielded wire
17	W1PA63004BH04	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
18	W1PA63004CH04	高压互锁/插座/C键位 High voltage interlock/Socket/key C	
19	W1PA63004AH06	高压互锁/插座/A键位 High voltage interlock/Socket/key A	6mm ² 非屏蔽线 6mm ² unshielded wire
20	W1PA63004BH06	高压互锁/插座/B键位 High voltage interlock/Socket/key B	
21	W1PA63004CH06	高压互锁/插座/C键位 High voltage interlock/Socket/key C	

性能参数
Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell material	尼龙(Nylon)
额定电流 (工作环境 温度30℃) Rated current (Ambient temperature 30℃)	20A (适配电缆Fit for:2.5mm ²) 25A (适配电缆Fit for:4mm ²) 40A (适配电缆Fit for:6mm ²)	环境温度 Temperature Range	-40℃~+125℃	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	两芯\三芯\四芯 (Two\three\four Pins)		
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	配线规格 Wire size	2.5~6mm ²	插针及插孔材料 Pin and Contact Material	铜合金(Copper Alloy)
		电磁屏蔽 Electromagnetic Shielding	360°屏蔽(360°Shielding)		
耐 压 Withstand Voltage	3000V AC	机械寿命 Duration	≥50次 (Times)	密封体 Seals	硅橡胶(Silicon Rubber)
		盐雾等级 Salt Spray Grade	中性盐雾48H (Natural salt spray 48H)		

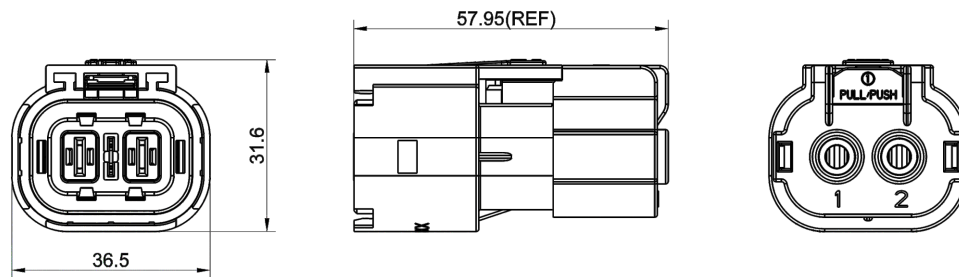
产品特点
Product characteristic

该产品为塑胶高压连接器, 结构紧凑, 两级解锁。可接多种电缆, 有多种防误插键位, 带高压互锁, 有防手指触电设计, 360°屏蔽。
This product is a plastic high voltage connector with compact structure and two electric poles controlling. It could connect to different types of cables with high voltage interlock, preventing mistaken Protection keyes and electric shock protection, 360°shielded.

外形尺寸

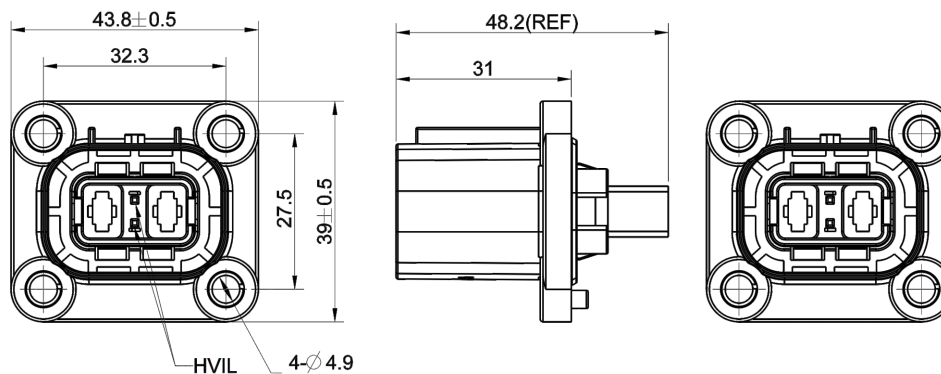
External Dimension

两芯插头外形图 Two cores Plug External Dimension

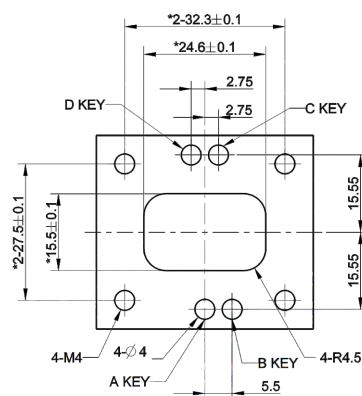


两芯插座外形图

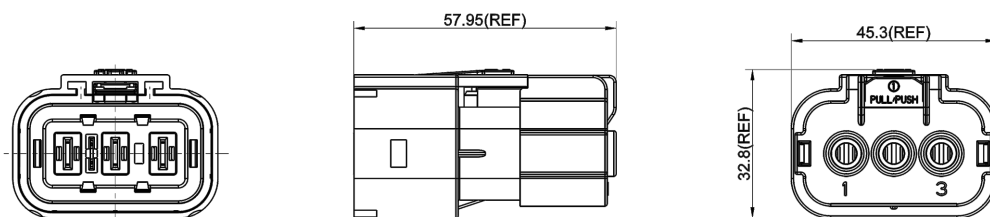
Two cores receptacle dimension



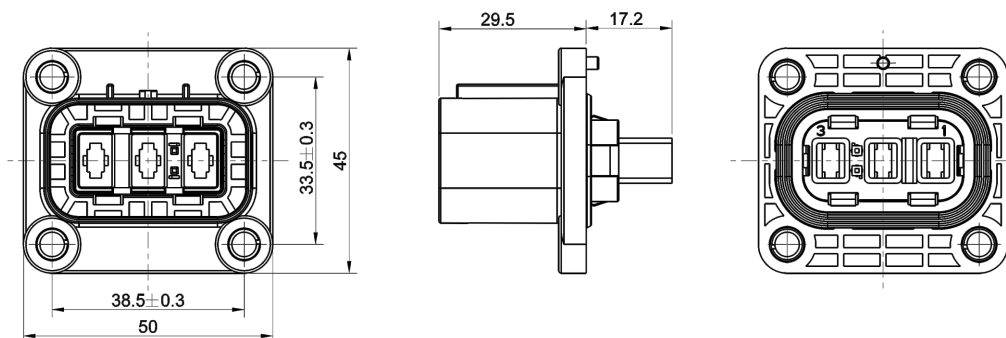
推荐插座安装开孔尺寸 Recommended install trepanning size



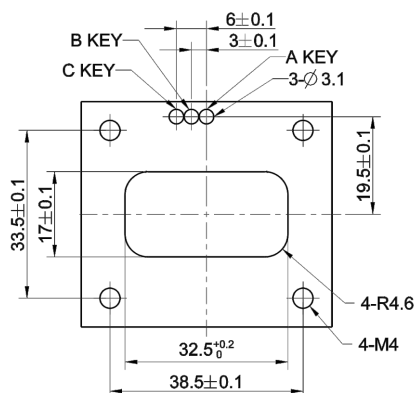
三芯插头外形图 Three cores Plug External Dimension



三芯插座外形图推荐安装开孔尺寸 (一体胶芯) Three cores Receptacle dimension

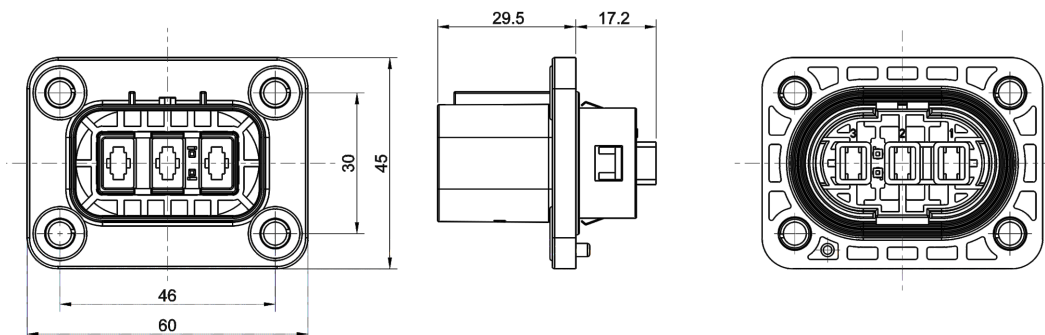


推荐安装开孔尺寸 (一体胶芯) Recommended install trepanning size (Integrated rubber core)

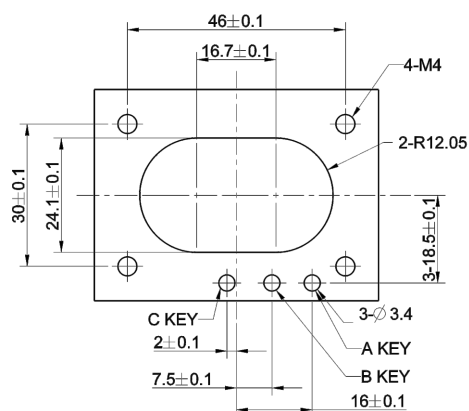


三芯插座外形图

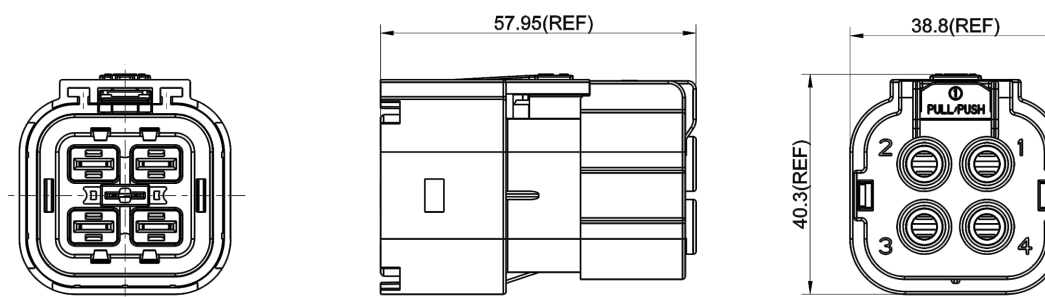
Three cores Receptacle dimension



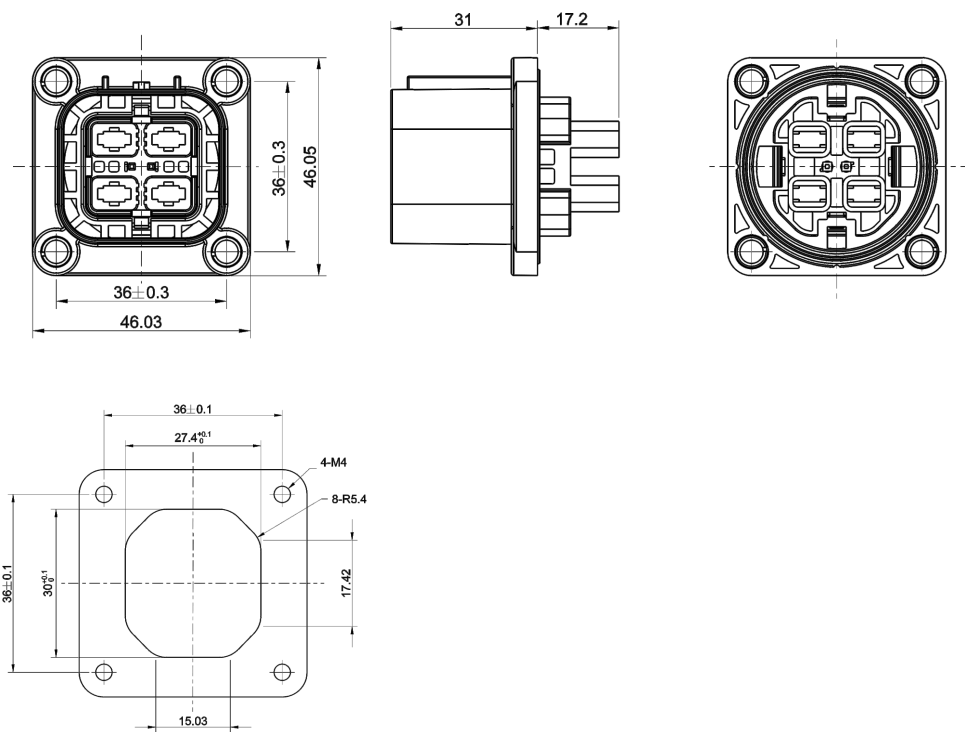
推荐安装开孔尺寸 (分体胶芯) Recommended install trepanning size (Separate rubber core)



四芯插头外形图 Four cores Plug External Dimension



四芯插座外形图和推荐安装开孔尺寸
Four cores Receptacle dimension and recommended install trepanning size



选型说明
Model Description

产品系列Series Offering	W1PA630	0	2	A	H	02
0-法兰盘安装插座(配插针) 0-Flange wall mounting receptacle (with pins) 6-直头插头(配插孔) 6-Straight plug(include contacts)						
芯数 :2-两芯 cores: 2 cores 3-三芯 cores: 3 cores 4-四芯 cores: 4 cores						
防误插键位:A-A键位 B-B键位 C-C键位 D-D键位 Protection key: A key B key C key D key						
高压互锁:H-带高压互锁 N-不带高压互锁 High voltage interlock: H-high voltage interlock N-Without HVIL						
02-2.5mm ² 04-4mm ² 06-mm ²						

塑胶高压连接器系列

Plastic high voltage interlock connector

W1P800系列带高压互锁连接器
W1P800 series with high voltage interlock connector



W1P800系列带高压互锁连接器

W1P800 series with high voltage interlock connector

产品适用于电动汽车动力电池、电机控制器、PDU等大电流设备连接终端。

This product applies to large current unit connection like EV power battery, motor-controlled, and PDU.

产品选型 Product List

W1P800两芯 W1P800 Two Cores

序号		产品描述Description	适配线缆规格Applicable wire size
1	W1P80062*HC16	直插头/接16mm ² 屏蔽线/带高压互锁 Straight plug/16mm ² shielded wire/With high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
2	W1P80062*NC16	直插头/接16mm ² 屏蔽线/不带高压互锁 Straight plug/16mm ² shielded wire/Without high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
3	W1P80062*HC25	直插头/接25mm ² 屏蔽线/带高压互锁 Straight plug/25mm ² shielded wire/With high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
4	W1P80062*NC25	直插头/接25mm ² 屏蔽线/不带高压互锁 Straight plug/25mm ² shielded wire/Without high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
5	W1P80062*HC35	直插头/接35mm ² 屏蔽线/带高压互锁 Straight plug/35mm ² shielded wire/With high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
6	W1P80062*NC35	直插头/接35mm ² 屏蔽线/不带高压互锁 Straight plug/35mm ² shielded wire/Without high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
7	W1P80062*HC50	直插头/接50mm ² 屏蔽线/带高压互锁 Straight plug/50mm ² shielded wire/With high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
8	W1P80062*NC50	直插头/接50mm ² 屏蔽线/不带高压互锁 Straight plug/50mm ² shielded wire/Without high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
9	W1P80082*HC16	弯插头/接16mm ² 屏蔽线/带高压互锁 Elbow plug/16mm ² shielded wire/With high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
10	W1P80082*NC16	弯插头/接16mm ² 屏蔽线/不带高压互锁 Elbow plug/16mm ² shielded wire/Without high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
11	W1P80082*HC25	弯插头/接25mm ² 屏蔽线/带高压互锁 Elbow plug/25mm ² shielded wire/With high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
12	W1P80082*NC25	弯插头/接25mm ² 屏蔽线/不带高压互锁 Elbow plug/25mm ² shielded wire/Without high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
13	W1P80082*HC35	弯插头/接35mm ² 屏蔽线/带高压互锁 Elbow plug/35mm ² shielded wire/With high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
14	W1P80082*NC35	弯插头/接35mm ² 屏蔽线/不带高压互锁 Elbow plug/35mm ² shielded wire/Without high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
15	W1P80082*HC50	弯插头/接50mm ² 屏蔽线/带高压互锁 Elbow plug/50mm ² shielded wire/With high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
16	W1P80082*NC50	弯插头/接50mm ² 屏蔽线/不带高压互锁 Elbow plug/50mm ² shielded wire/Without high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
17	W1P80002*HH	插座/接铜排/带高压互锁 Socket/Copper bar/ With high voltage interlock	接铜排 Copper bar
18	W1P80002*NH	插座/接铜排/不带高压互锁 Socket/Copper bar/Without high voltage interlock	接铜排 Copper bar
19	W1P80002*HY	插座/内螺纹/带高压互锁 Socket/internal thread/ With high voltage interlock	接M6内螺纹 M6 internal thread
20	W1P80002*NY	插座/内螺纹/不带高压互锁 Socket/internal thread/Without high voltage interlock	接M6内螺纹 M6 internal thread

说明:**代表键位,有A、B、D三种键位选择。Remark: * represents key, A,B,D key optional.

W1P800三芯 W1P800 three cores

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1P80063*HC16	直插头/接16mm ² 屏蔽线/带高压互锁 Straight plug/16mm ² shielded wire/With high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
2	W1P80063*NC16	直插头/接16mm ² 屏蔽线/不带高压互锁 Straight plug/16mm ² shielded wire/Without high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
3	W1P80063*HC25	直插头/接25mm ² 屏蔽线/带高压互锁 Straight plug/25mm ² shielded wire/With high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
4	W1P80063*NC25	直插头/接25mm ² 屏蔽线/不带高压互锁 Straight plug/25mm ² shielded wire/Without high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
5	W1P80063*HC35	直插头/接35mm ² 屏蔽线/带高压互锁 Straight plug/35mm ² shielded wire/With high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
6	W1P80063*NC35	直插头/接35mm ² 屏蔽线/不带高压互锁 Straight plug/35mm ² shielded wire/Without high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
7	W1P80063*HC50	直插头/接50mm ² 屏蔽线/带高压互锁 Straight plug/50mm ² shielded wire/With high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
8	W1P80063*NC50	直插头/接50mm ² 屏蔽线/不带高压互锁 Straight plug/50mm ² shielded wire/Without high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
9	W1P80083*HC16	弯插头/接16mm ² 屏蔽线/带高压互锁 Elbow plug/16mm ² shielded wire/ With high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
10	W1P80083*NC16	弯插头/接16mm ² 屏蔽线/不带高压互锁 Elbow plug/16mm ² shielded wire/ Without high voltage interlock	16mm ² 屏蔽线 16mm ² shielded wire
11	W1P80083*HC25	弯插头/接25mm ² 屏蔽线/带高压互锁 Elbow plug/25mm ² shielded wire/ With high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
12	W1P80083*NC25	弯插头/接25mm ² 屏蔽线/不带高压互锁 Elbow plug/25mm ² shielded wire/ Without high voltage interlock	25mm ² 屏蔽线 25mm ² shielded wire
13	W1P80083*HC35	弯插头/接35mm ² 屏蔽线/带高压互锁 Elbow plug/35mm ² shielded wire/ With high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
14	W1P80083*NC35	弯插头/接35mm ² 屏蔽线/不带高压互锁 Elbow plug/35mm ² shielded wire/ Without high voltage interlock	35mm ² 屏蔽线 35mm ² shielded wire
15	W1P80083*HC50	弯插头/接50mm ² 屏蔽线/带高压互锁 Elbow plug/50mm ² shielded wire/ With high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
16	W1P80083*NC50	弯插头/接50mm ² 屏蔽线/不带高压互锁 Elbow plug/50mm ² shielded wire/ Without high voltage interlock	50mm ² 屏蔽线 50mm ² shielded wire
17	W1P80003*HH	插座/接铜排/带高压互锁 Socket/Copper bar/With high voltage interlock	接铜排 Copper bar
18	W1P80003*NH	插座/接铜排/不带高压互锁 Socket/Copper bar/Without high voltage interlock	接铜排 Copper bar
19	W1P80003A*HY	插座/内螺纹/带高压互锁 Socket/Internal thread/With high voltage interlock	接M6内螺纹 M6 internal thread
20	W1P80003A*NY	插座/内螺纹/不带高压互锁 Socket/Internal thread/Without high voltage interlock	接M6内螺纹 M6 internal thread

说明：“*”代表键位，有A、B、D三种键位选择。Remark: * represents key, A,B,D key optional.

性能参数

Performance parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	PA66
额定电流 (工作环境 温度30℃) Rated Current (Ambient temperature 30℃)	80A (适配电缆Fit for:16mm ²) 120A (适配电缆Fit for:25mm ²) 150A (适配电缆Fit for:35mm ²) 200A (适配电缆Fit for:50mm ²)	环境温度 Temperature Range	-40℃~+125℃	阻燃等级 Flammability Rating	UL94 V-0
		连接器芯数 Cores	两芯/三芯 (Two/Three Pins)	插针及插孔材料 Pin and Contact Material	铜合金(Copper Alloy)
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	配线规格 Wire Size	16~50mm ²	表面处理 Plating	镀银(Silvering)
耐压 Withstand Voltage	3000V AC	机械寿命 Duration	≥50次 (Times)	密封体 Seals	硅橡胶(Silicon Rubber)

产品特点

Product Characteristic

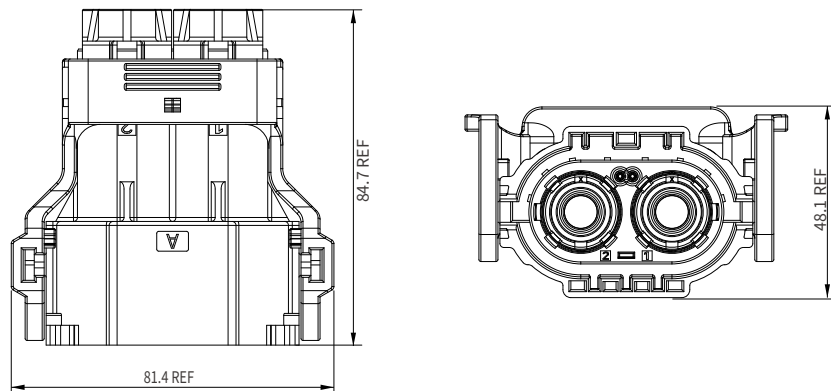
该产品为塑胶外壳连接器，具有体积小、重量轻、便于安装、性能可靠、美观等特性，实现360°屏蔽功能。

This product is a plastic shell connector with small size, low weight, easy installation, reliable , aesthetics,etc., 360° shielded.

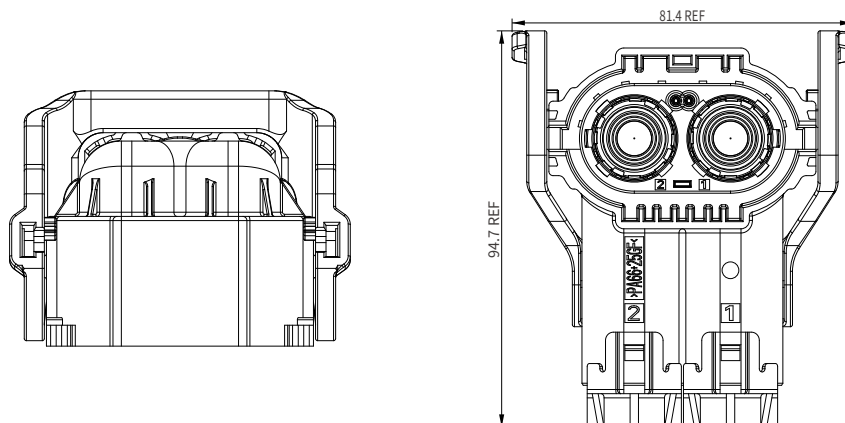
外形尺寸

External Dimension

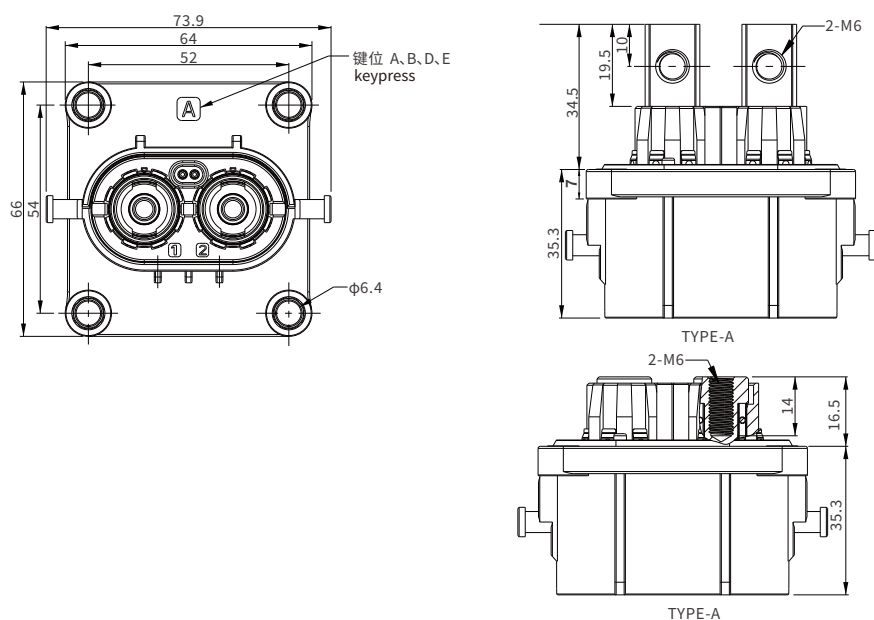
两芯直插头外形图 Two cores straight plug dimension



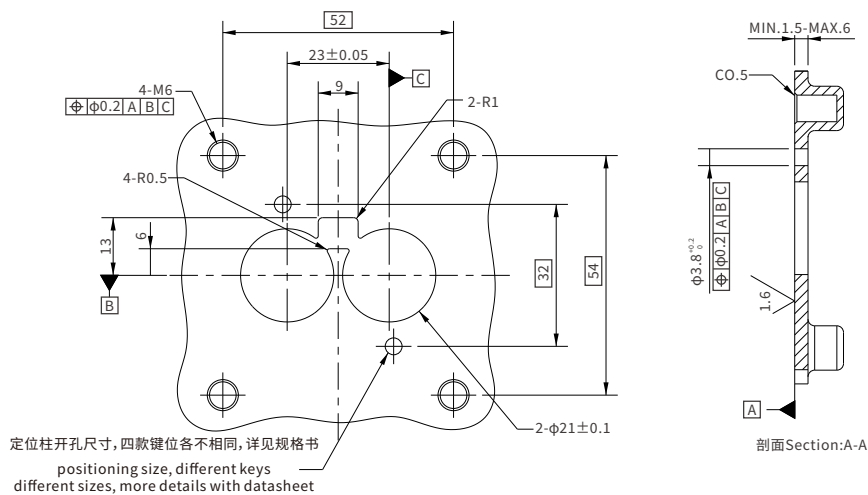
两芯弯插头外形图 Two cores elbow plug dimension



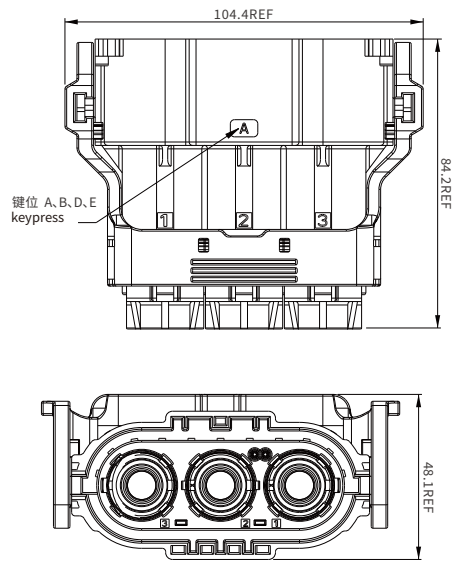
两芯插座外形图 Two cores receptacle dimension



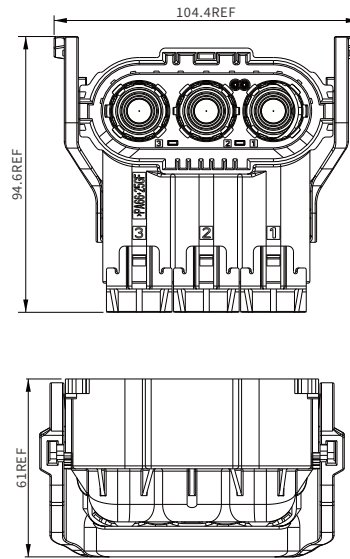
推荐安装开孔尺寸 Installation trepanning size



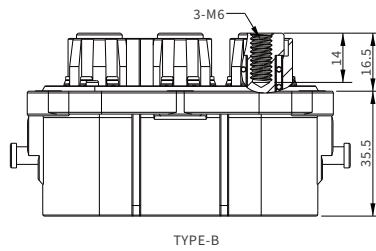
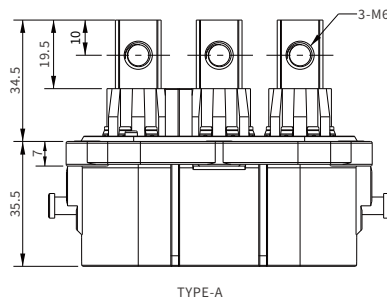
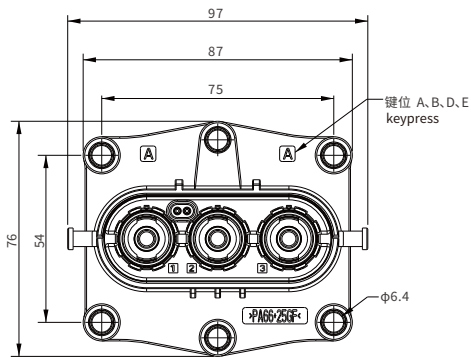
三芯直插头外形图
Three cores straight plug external dimension



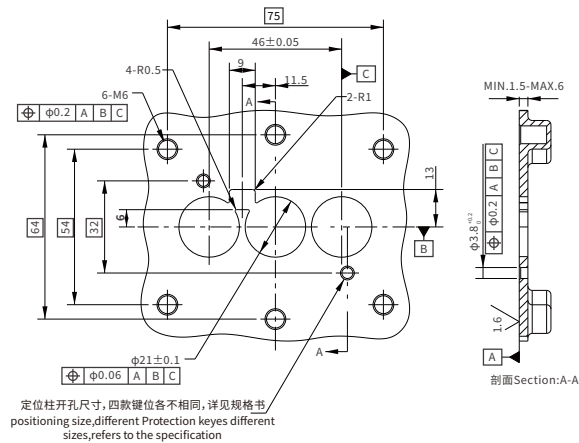
三芯弯插头外形图
Three cores elbow plug external dimension



三芯插座外形图 Three cores receptacle external dimension



推荐安装开孔尺寸Recommended install trepanning size



选型说明
Model description

029

产品系列Series Offering	W1P800	0	2	A	H	C25
0-法兰盘安装插座(配插针) 0-Flange wall mounting receptacle(with pins) 6-直插头(配插孔) 6-Straight plug(include contacts) 8-弯插头(配插孔) 8-Elbow plug(include contacts)						
芯数:2-两芯 3-三芯 Cores: 2 cores 3 cores						
防误插键位:A-A键位 B-B键位 D-D键位 Protection key: A key B key D key						
高压互锁:H-带高压互锁 N-不带高压互锁 High voltage interlock:H-high voltage interlock N-Without HVIL						
H-铜排扁平孔锁紧端子(仅限插座) H-copper bar with flat lock terminals(only for receptacle) Y-铜排内螺纹端子(仅限插座) Y-Copper bar within internal thread(only for receptacle) C*-压接线缆端子 C*-crimp with terminal block *代表适配线缆规格 * represents wire size C16-适配16平方线缆 C16-fit for 16mm ² C25-适配25平方线缆 C25-fit for 25mm ² C35-适配35平方线缆 C35-fit for 35mm ² C50-适配50平方线缆 C50-fit for 50mm ²						

塑胶高压连接器系列

Plastic high voltage interlock connector

W1PA800系列带高压互锁连接器
W1PA800 series with high voltage interlock connector



W1PA800系列带高压互锁连接器
W1PA800 series with high voltage interlock connector

W1PA800系列主要电动汽车动力电池,PDU、电控等设备上。
W1PA800 series mainly applies to EV battery,PDU,electronic control, etc

产品选型
Product List

插头型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1PA80062*HC35	直头*键位 带高压互锁插头 Straight *with high voltage interlock plug	35mm ² 屏蔽线 35mm ² shielded wire
2	W1PA80062*HC50	直头*键位 带高压互锁插头 Straight *with high voltage interlock plug	50mm ² 屏蔽线 50mm ² shielded wire
3	W1PA80082*HC35	弯头*键位 带高压互锁插头 Elbow*with high voltage interlock plug	35mm ² 屏蔽线 35mm ² shielded wire
4	W1PA80082*HC50	弯头*键位 带高压互锁插头 Elbow*with high voltage interlock plug	50mm ² 屏蔽线 50mm ² shielded wire

说明: “*”代表键位, 有A、B、C、D四种键位选择。Remark: * represents key, A,B,C,D key optional.

插座型号明细

序号No.	订货型号Type spec.	产品描述Description	尾部孔规格Tail hole specification
1	W1PA80002*HH	插座*键位 带高压互锁插头 Socket *with high voltage interlock plug	M6
2	W1PA80002*HY	插座*键位 带高压互锁插头 Socket *with high voltage interlock plug	M6

说明: “*”代表键位, 有A、B、C、D四种键位。
Remark: * represents key, A, B, C, D key optional.

性能参数
Performance parameters

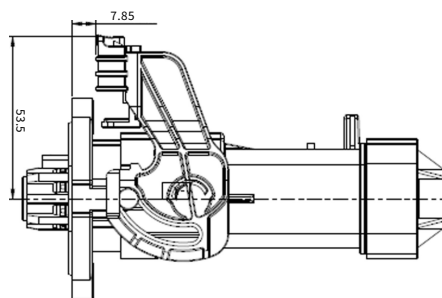
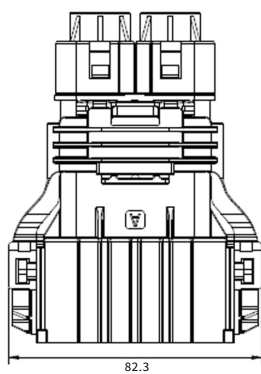
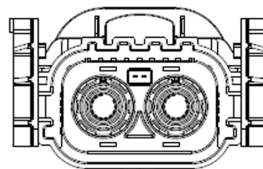
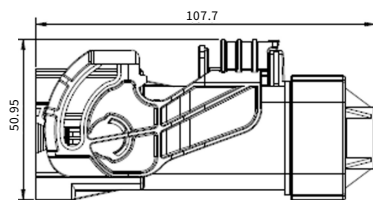
电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell material	PA66+GF25
额定电流 (工作环境 温度30℃) Rated current (Ambient temperature 30℃)	150A (适配电缆Fit for:35mm ²) 200A (适配电缆Fit for:50mm ²)	环境温度 Temperature Range	-40℃~+125℃	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	两芯 (Two Pins)	插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
		配线规格 Wire size	35~50mm ²		
绝缘电阻 Insulation Resistance	≥2000MΩ	电磁屏蔽 Electromagnetic Shielding	360°屏蔽 (360°Shielding)	表面处理 Plating	镀银 (Silvering)
耐 压 Withstand Voltage	3000V AC	机械寿命 Duration	≥50次 (Times)	密封体 Seals	硅橡胶 (Silicon Rubber)

产品特点
Product Characteristic

该产品为塑胶外壳连接器, 具有体积小, 重量轻, 便于安装, 可靠性高等特性, 有180°出线 and 90°出线两种插头选择。
This is a plastic shell connector with small size, low weight, easy installation, and better reliability. The wire is crimped in the direction of 90° and 180°.

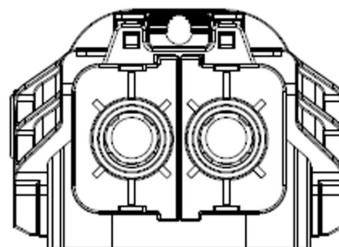
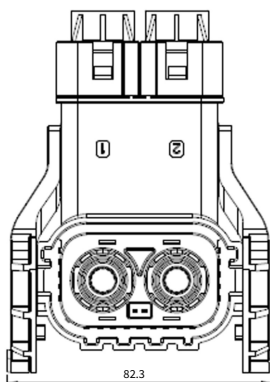
外形尺寸
External Dimension

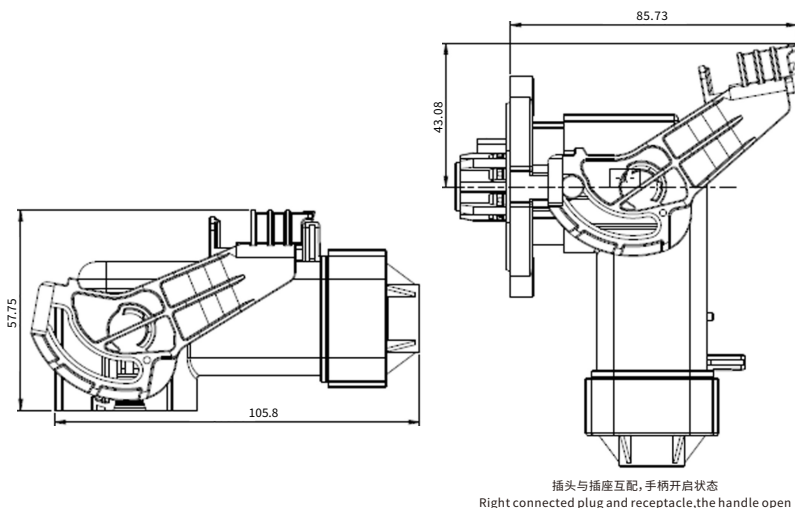
直头插头外形图 Straight plug outside view



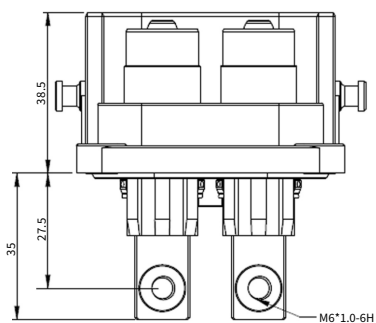
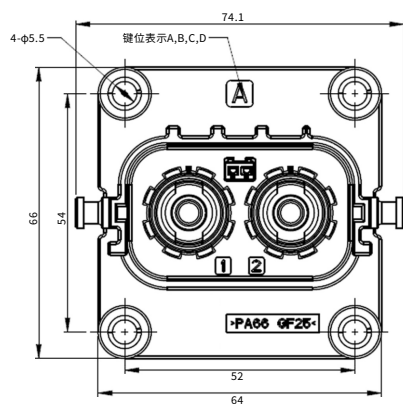
插头与插座互配, 手柄开启状态
Right connected plug and receptacle, the handle open

弯头插头外形图 Elbow plug outside view

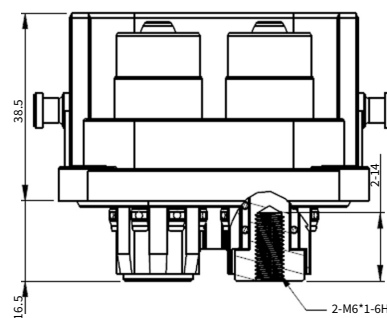




插座外形图 receptacle external dimension

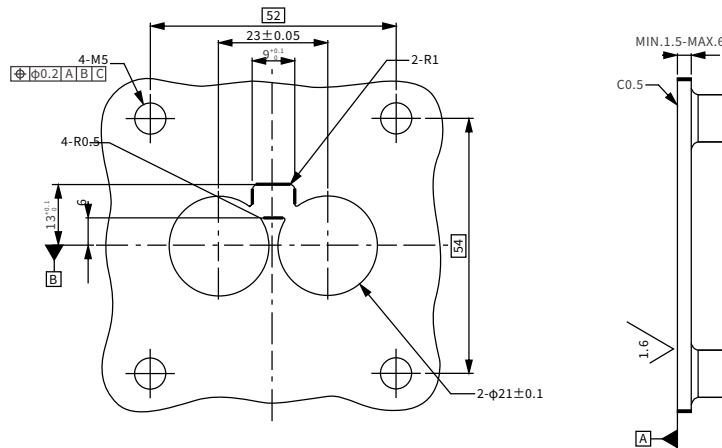


180度铜排引出方式
connect with copper bar in direction of 180°



90度铜排引出方式
connect with copper bar in direction of 90°

安装面板建议开孔尺寸 Recommended install trepanning size



选型说明

Model description

产品系列Product series	W1PA800	62	A	H	C50
62-直式插头 82-弯式插头 62-Straight Plug 82-Elbow Plug					
防误插键位: A-A键位 B-B键位 C-C键位 D-D键位 Protection key: A key B key C key D key					
高压互锁: H-带高压互锁 N-不带高压互锁 High voltage interlock: H-High voltage interlock; N-Without high voltage interlock					
接线规格 wire size: 35mm ² , 50mm ²					

产品系列Product series	W1PA800	02	A	H	H
02-插座Socket					
防误插键位: A-A键位 B-B键位 C-C键位 D-D键位 Protection key: A key B key C key D key					
高压互锁: H-带高压互锁 N-不带高压互锁 High voltage interlock: H-High voltage interlock; N-Without high voltage interlock					
尾部出线方式 Ways to connect with wires : H-180° 出线 (connect with wires), Y-90° 出线 (connect with wires)					

塑胶高压连接器系列

Plastic high voltage interlock connector

W1PB800A系列带高压互锁连接器
W1PB800A series with high voltage interlock connector



W1PB800A系列带高压互锁连接器

W1PB800A series with high voltage interlock connector

W1PB800A系列主要电动汽车动力电池, PDU、电控等设备上。

W1PB800A series mainly applies to EV battery, PDU, electronic control, etc.

产品选型 Product List

插头型号明细

序号No.	订货型号Type spec.	产品描述Description	适配线缆规格Applicable wire size
1	W1PB800A62AHC35	带高压互锁/直插头/ A键位 With high voltage interlock/Straight plug/key A	35mm ² 屏蔽线 35mm ² shielded wire
2	W1PB800A62BHC35	带高压互锁/直插头/ B键位 With high voltage interlock/Straight plug/key B	
3	W1PB800A62CHC35	带高压互锁/直插头/ C键位 With high voltage interlock/Straight plug/key C	
4	W1PB800A62DHC35	带高压互锁/直插头/ D键位 With high voltage interlock/Straight plug/key D	
5	W1PB800A62AHC50	带高压互锁/直插头/ A键位 With high voltage interlock/Straight plug/key A	50mm ² 屏蔽线 50mm ² shielded wire
6	W1PB800A62BHC50	带高压互锁/直插头/ B键位 With high voltage interlock/Straight plug/key B	
7	W1PB800A62CHC50	带高压互锁/直插头/ C键位 With high voltage interlock/Straight plug/key C	
8	W1PB800A62DHC50	带高压互锁/直插头/ D键位 With high voltage interlock/Straight plug/key D	
9	W1PB800A62AHC70	带高压互锁/直插头/ A键位 With high voltage interlock/Straight plug/key A	70mm ² 屏蔽线 70mm ² shielded wire
10	W1PB800A62BHC70	带高压互锁/直插头/ B键位 With high voltage interlock/Straight plug/key B	
11	W1PB800A62CHC70	带高压互锁/直插头/ C键位 With high voltage interlock/Straight plug/key C	
12	W1PB800A62DHC70	带高压互锁/直插头/ D键位 With high voltage interlock/Straight plug/key D	
13	W1PB800A62ANC70N	不带高压互锁/直插头/ A键位 Without high voltage interlock/Straight plug/key A	70mm ² 非屏蔽线 70mm ² unshielded wire
14	W1PB800A62BNC70N	不带高压互锁/直插头/ B键位 Without high voltage interlock/Straight plug/key B	
15	W1PB800A62CNC70N	不带高压互锁/直插头/ C键位 Without high voltage interlock/Straight plug/key C	
16	W1PB800A62DNC70N	不带高压互锁/直插头/ D键位 Without high voltage interlock/Straight plug/key D	
17	W1PB800A82AHC35	带高压互锁/弯插头/ A键位 With high voltage interlock/Elbow plug/key A	35mm ² 屏蔽线 35mm ² shielded wire
18	W1PB800A82BHC35	带高压互锁/弯插头/ B键位 With high voltage interlock/Elbow plug/key B	
19	W1PB800A82CHC35	带高压互锁/弯插头/ C键位 With high voltage interlock/Elbow plug/key C	
20	W1PB800A82DHC35	带高压互锁/弯插头/ D键位 With high voltage interlock/Elbow plug/key D	
21	W1PB800A82AHC35N	带高压互锁/弯插头/ A键位 With high voltage interlock/Elbow plug/key A	35mm ² 非屏蔽线 35mm ² unshielded wire
22	W1PB800A82BHC35N	带高压互锁/弯插头/ B键位 With high voltage interlock/Elbow plug/key B	
23	W1PB800A82CHC35N	带高压互锁/弯插头/ C键位 With high voltage interlock/Elbow plug/key C	
24	W1PB800A82DHC35N	带高压互锁/弯插头/ D键位 With high voltage interlock/Elbow plug/key D	
25	W1PB800A82AHC50	带高压互锁/弯插头/ A键位 With high voltage interlock/Elbow plug/key A	50mm ² 屏蔽线 50mm ² shielded wire
26	W1PB800A82BHC50	带高压互锁/弯插头/ B键位 With high voltage interlock/Elbow plug/key B	
27	W1PB800A82CHC50	带高压互锁/弯插头/ C键位 With high voltage interlock/Elbow plug/key C	
28	W1PB800A82DHC50	带高压互锁/弯插头/ D键位 With high voltage interlock/Elbow plug/key D	
29	W1PB800A82AHC50N	带高压互锁/弯插头/ A键位 With high voltage interlock/Elbow plug/key A	50mm ² 非屏蔽线 50mm ² unshielded wire
30	W1PB800A82BHC50N	带高压互锁/弯插头/ B键位 With high voltage interlock/Elbow plug/key B	
31	W1PB800A82CHC50N	带高压互锁/弯插头/ C键位 With high voltage interlock/Elbow plug/key C	
32	W1PB800A82DHC50N	带高压互锁/弯插头/ D键位 With high voltage interlock/Elbow plug/key D	
33	W1PB800A82AHC70	带高压互锁/弯插头/ A键位 With high voltage interlock/Elbow plug/key A	70mm ² 屏蔽线 70mm ² shielded wire
34	W1PB800A82BHC70	带高压互锁/弯插头/ B键位 With high voltage interlock/Elbow plug/key B	
35	W1PB800A82CHC70	带高压互锁/弯插头/ C键位 With high voltage interlock/Elbow plug/key C	
36	W1PB800A82DHC70	带高压互锁/弯插头/ D键位 With high voltage interlock/Elbow plug/key D	

插座型号明细

序号No.	订货型号Type spec.	产品描述Description	螺纹规格Threaded hole size	示意图Diagram
1	W1PB800A02AHH	带高压互锁/插座/接铜排-左 (180度) / A键位 With high voltage interlock/Socket/Copper bar-left (180°)/key A	M6	
2	W1PB800A02BHH	带高压互锁/插座/接铜排-左 (180度) / B键位 With high voltage interlock/Socket/Copper bar-left (180°)/key B		
3	W1PB800A02CHH	带高压互锁/插座/接铜排-左 (180度) / C键位 With high voltage interlock/Socket/Copper bar-left (180°)/key C		
4	W1PB800A02DHH	带高压互锁/插座/接铜排-左 (180度) / D键位 With high voltage interlock/Socket/Copper bar-left (180°)/key D		
5	W1PB800A02AHH-A	带高压互锁/插座/接铜排-右 (180度) / A键位 With high voltage interlock/Socket/Copper bar-right (180°)/key A		
6	W1PB800A02BHH-A	带高压互锁/插座/接铜排-右 (180度) / B键位 With high voltage interlock/Socket/Copper bar-right (180°)/key B		
7	W1PB800A02CHH-A	带高压互锁/插座/接铜排-右 (180度) / C键位 With high voltage interlock/Socket/Copper bar-right (180°)/key C		
8	W1PB800A02DHH-A	带高压互锁/插座/接铜排-右 (180度) / D键位 With high voltage interlock/Socket/Copper bar-right (180°)/key D		
9	W1PB800A02ANH-1	不带高压互锁/插座/接铜排 (180度) / A键位 Without high voltage interlock/Socket/Copper bar (180°)/key A		
10	W1PB800A02BNH-1	不带高压互锁/插座/接铜排 (180度) / B键位 Without high voltage interlock/Socket/Copper bar (180°)/key B		
11	W1PB800A02CNH-1	不带高压互锁/插座/接铜排 (180度) / C键位 Without high voltage interlock/Socket/Copper bar (180°)/key C		
12	W1PB800A02DNH-1	不带高压互锁/插座/接铜排 (180度) / D键位 Without high voltage interlock/Socket/Copper bar (180°)/key D		
13	W1PB800A02AHH-V	带高压互锁/插座/接铜排 (90度) / A键位 With high voltage interlock/Socket/Copper bar (90°)/key A	M6	
14	W1PB800A02BHH-V	带高压互锁/插座/接铜排 (90度) / B键位 With high voltage interlock/Socket/Copper bar (90°)/key B		
15	W1PB800A02CHH-V	带高压互锁/插座/接铜排 (90度) / C键位 With high voltage interlock/Socket/Copper bar (90°)/key C		
16	W1PB800A02DHH-V	带高压互锁/插座/接铜排 (90度) / D键位 With high voltage interlock/Socket/Copper bar (90°)/key D		

性能参数

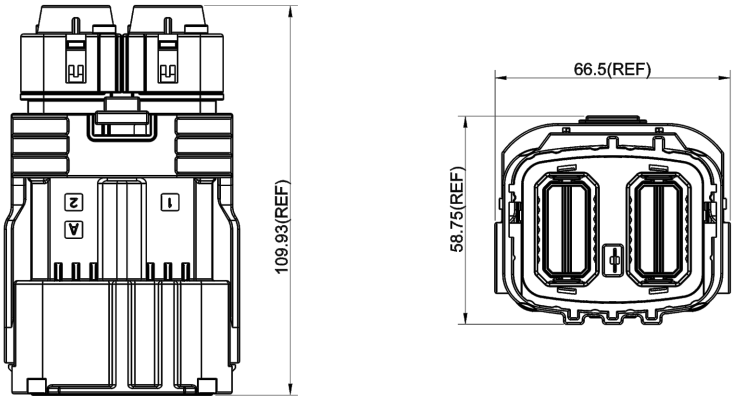
Performance parameters

电气特性Electrical characteristic		其他参数Other parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell material	尼龙 (Nylon)
额定电流 (工作环境 温度30°C) Rated current (ambient temperature 30°C)	150A (适配电缆Fit for: 35mm ²) 200A (适配电缆Fit for: 50mm ²) 250A (适配电缆Fit for: 70mm ²)	环境温度 Temperature range	-40°C~+125°C	阻燃等级 Flammability Rate	UL94 V-0
		连接器芯数 Cores	2芯 (Two Pins)		
		配线规格 Wire size	35~70mm ²	插针及插孔材料 Pin and Contact Material	主体铜合金 (main body: copper alloy)
绝缘电阻 Insulation resistance	≥2000MΩ (常态Normalcy)	电磁屏蔽 Electromagnetic Shielding	360°屏蔽 (360°Shielding)		
耐压 Withstand Voltage	3000V AC (水平面Horizontal plane)	机械寿命 Duration	≥50次(Times)	密封体 Seals	硅橡胶 (Silicon Rubber)
		盐雾等级 Salt Spray Grade	中性盐雾 (48H)		

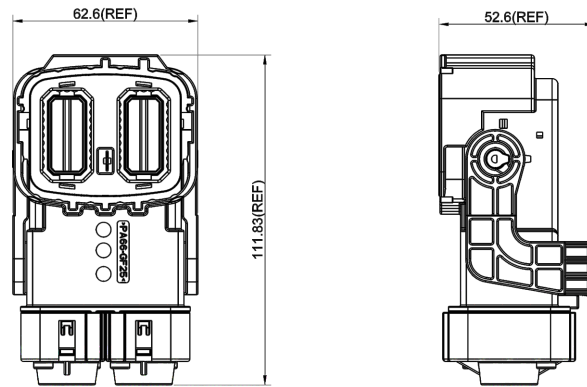
外形尺寸

External Size

两芯直型插头外形图 Two cores straight plug outside view

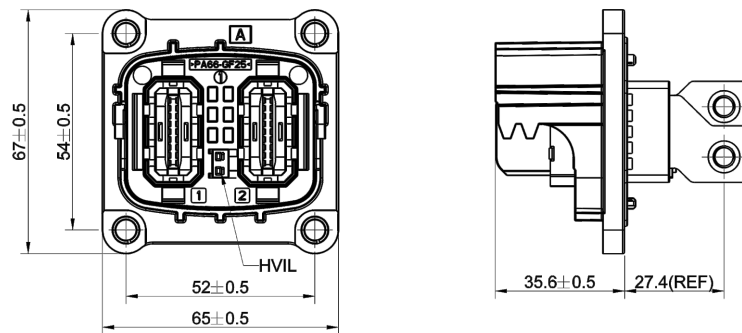


两芯弯型插头外形图 Two cores elbow plug outside view

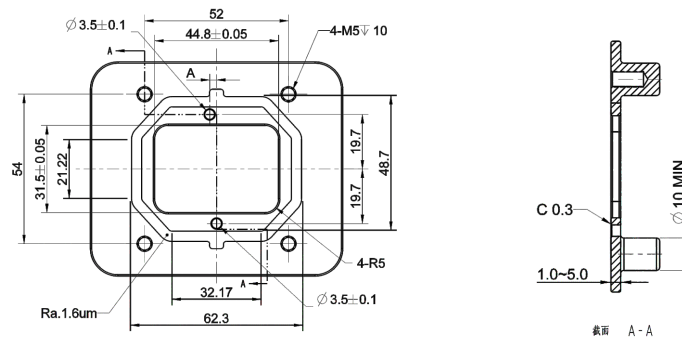


两芯插座外形图 (铜排安装扭矩4.5~5.5N.m)

Two cores socket outside view (Copper bar installation torque: 4.5~5.5N.m)



推荐安装开孔尺寸 Recommended install trepanning size



键位 Key	尺寸 Size a±0.3mm
W1PB800A 系列 A 键位插座壳体 (MPHVB800A series key A socket shell)	-2.5
W1PB800A 系列 B 键位插座壳体 (MPHVB800A series key B socket shell)	-5
W1PB800A 系列 C 键位插座壳体 (MPHVB800A series key C socket shell)	+2.5
W1PB800A 系列 D 键位插座壳体 (MPHVB800A series key D socket shell)	+5
备注:以纵向中心线为基准,左侧为负,右侧为正。 Based on the longitudinal centerline, the left side is negative, and the right side is positive.	

安装面(Installation surface):表面粗糙度 $Ra < 1.6\mu m$ (Surface roughness $< 1.6\mu m$)
平面度 $< 0.3mm$ (Flatness $< 0.3mm$)

选型说明
Model description

产品系列Series Offering	W1PB800A	6	2	A	H	H
0-法兰盘安装插座(配插针) 0-Flange wall mounting receptacle(with pins) 6-直插头(配插孔) 6-Straight plug(include contacts) 8-弯插头(配插孔) 8-Elbow plug(include contacts)						
芯数:2-两芯 Cores: 2 cores						
防误插键位:A-A键位 B-B键位 C-C键位 D-D键位 Protection key: A key B key C key D key						
高压互锁:H-带高压互锁 N-不带高压互锁 High voltage interlock:H-high voltage interlock N-Without HVIL						
H-铜排扁平孔锁紧端子(仅限插座) H-copper bar with flat lock terminals(only for receptacle) C*-压接线缆端子 C*-crimp with terminal block *代表适配线缆规格 * represents wire size C35-适配35平方线缆 C35-fit for 35 mm ² C50-适配50平方线缆 C50-fit for 50 mm ² C70-适配70平方线缆 C70-fit for 70 mm ²						

注:产品系列、壳体号、芯数、键位均相同的插头和插座才可对插,如 MPW1PB800A62AHC35 和 MPW1PB800A62AHC35可对插。
This is a plastic shell connector with small size, low weight, easy installation, and better reliability. The wire is crimped in the direction of 90° and 180°.

金属高压连接器系列

Metal high voltage connector series

W1M36系列带高压互锁连接器

W1M36 series with high voltage interlock connector



W1M36系列带高压互锁连接器

W1M36 series with high voltage interlock connector

W1M36系列连接器是针对新能源汽车中小电流应用开发的一款方案。主要应用在PDU、空调、PTC、DC/DC、油泵、汽泵、除霜、慢充等设备上。

W1M36 series connector is specially designed for small and medium current of new energy vehicle. It mainly applies to PDU, Air condition, DC/DC, oil pump, air pump, defroster, AC inlet harness, etc.

产品选型 Product List

两芯 Two cores

序号 No.	订货型号 Type spec.	产品描述 Description	适配线缆规格 Applicable wire size
1	W1M36-02*-61-2.5	插座/ 2芯/高压互锁 Receptacle/2 cores/With high voltage interlock	2.5mm ² 非屏蔽线 2.5mm ² Unshielded wire
2	W1M36-02*-61-4	插座/ 2芯/高压互锁 Receptacle/2 cores/With high voltage interlock	4mm ² 非屏蔽线 4mm ² Unshielded wire
3	W1M36-02*-61-6	插座/ 2芯/高压互锁 Receptacle/2 cores/With high voltage interlock	6mm ² 非屏蔽线 6mm ² Unshielded wire
4	W1M36-02*-61-10	插座/ 2芯/高压互锁 Receptacle/2 cores/With high voltage interlock	10mm ² 非屏蔽线 10mm ² Unshielded wire
5	W1M36-62*-61-2.5	插头/ 2芯/高压互锁 Plug/2 cores/With high voltage interlock	2.5mm ² 屏蔽线 2.5mm ² Shielded wire
6	W1M36-62*-61-4	插头/ 2芯/高压互锁 Plug/2 cores/With high voltage interlock	4mm ² 屏蔽线 4mm ² Shielded wire
7	W1M36-62*-61-6	插头/ 2芯/高压互锁 Plug/2 cores/With high voltage interlock	6mm ² 屏蔽线 6mm ² Shielded wire
8	W1M36-62*-61-10	插头/ 2芯/高压互锁 Plug/2 cores/With high voltage interlock	10mm ² 屏蔽线 10mm ² Shielded wire
9	W1M36-02*-60-2.5	插座/ 2芯/无高压互锁 Receptacle/2 cores/Without high voltage interlock	2.5mm ² 非屏蔽线 2.5mm ² Unshielded wire
10	W1M36-02*-60-4	插座/ 2芯/无高压互锁 Receptacle/2 cores/Without high voltage interlock	4mm ² 非屏蔽线 4mm ² Unshielded wire
11	W1M36-02*-60-6	插座/ 2芯/无高压互锁 Receptacle/2 cores/Without high voltage interlock	6mm ² 非屏蔽线 6mm ² Unshielded wire
12	W1M36-02*-60-10	插座/ 2芯/无高压互锁 Receptacle/2 cores/Without high voltage interlock	10mm ² 非屏蔽线 10mm ² Unshielded wire
13	W1M36-62*-60-2.5	插头/ 2芯/无高压互锁 Plug/2 cores/Without high voltage interlock	2.5mm ² 屏蔽线 2.5mm ² Shielded wire
14	W1M36-62*-60-4	插头/ 2芯/无高压互锁 Plug/2 cores/Without high voltage interlock	4mm ² 屏蔽线 4mm ² Shielded wire
15	W1M36-62*-60-6	插头/ 2芯/无高压互锁 Plug/2 cores/Without high voltage interlock	6mm ² 屏蔽线 6mm ² Shielded wire
16	W1M36-62*-60-10	插头/ 2芯/无高压互锁 Plug/2 cores/Without high voltage interlock	10mm ² 屏蔽线 10mm ² Shielded wire

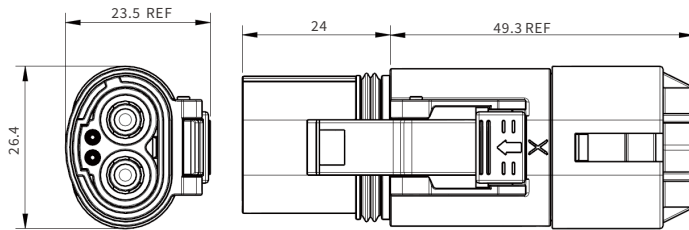
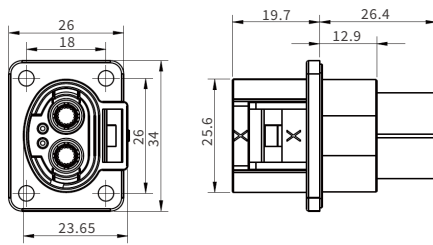
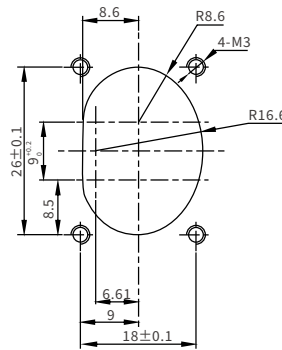
说明：“*”代表键位，有X、Y、U三种键位选择。Remark：* represents key, X, Y, U key optional.

性能参数 Performance parameters

电气特性 Electrical Characteristic		其他参数 Other Parameters		材料及表面处理 Material and Plating	
额定电压 Rated Voltage	800V DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金 (Zinc alloy)
额定电流 (工作环境 温度 30℃) Rated Current (Ambient temperature 30℃)	20A (适配电缆 Fit for: 2.5mm ²)	环境温度 Temperature Range	-40℃~+125℃	壳体表面处理 Shell plating	镀镍或其他 (Nickel plating or others)
	25A (适配电缆 Fit for: 4mm ²)	连接器芯数 Cores	两芯/三芯/四芯 (Two/Three/Four cores)	绝缘体材料 Insulation material	PA66
	40A (适配电缆 Fit for: 6mm ²)	配线规格 Wire Size	两芯 (Two cores 2.5~10mm ²) 三芯、四芯 (Three/Four cores 2.5~6mm ²)	阻燃等级 Flammability rate	UL94 V-0
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	电磁屏蔽 Electromagnetic Shielding	360°	插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
		机械寿命 Duration	≥50次 (Times)	端子表面处理 Terminal plating	镀银 (Silver-plated)
耐压 Withstand Voltage	2750V AC			密封体 Seals	硅橡胶 (Silicon Rubber)

产品特点 Product Characteristic

该产品为金属外壳连接器，体积小，屏蔽效果优于塑胶外壳类产品。该产品2芯、3芯和4芯紧密型设计能更好适应狭小空间的应用。
This product is a kind of metal shell connector. It has smaller size and better shielded effect than plastic shell products. This product of 2cores, 3cores and 4cores with compact design will perfectly apply to narrow interface.

外形尺寸
External Dimension两芯插头外形图
Two cores plug external dimension两芯插座外形图
Two cores receptacle external dimension推荐两芯插座安装开孔尺寸
Recommended trepanning dimension for two cores receptacle installation选型说明
Model description

产品代码 Product Number	W1M36-	0	2	*	-	61-	4	N
0-插座 6-插头 0-Receptacle 6-Plug								
芯数:2-两芯 Cores:2-2 cores								
防误插键位:X-X键位 Y-Y键位 U-U键位 Protection key: X key Y key U key								
60-不带高压互锁 61-带高压互锁 60-Without high voltage interlock 61-high voltage interlock								
2.5-适配线径2.5mm ² 4-适配线径4mm ² 6-适配线径6mm ² 10-适配线径10mm ² 2.5-fit for 2.5mm ² wire 4-fit for 4mm ² wire 6-fit for 6mm ² wire 10-fit for 10mm ² wire								
仅限插头, 空缺:屏蔽线 N:非屏蔽线 For plug, blank: shielded wire N: unshielded wire								

金属高压连接器系列

Metal high voltage connector series

W1M200系列单芯200A带高压互锁连接器
W1M200 series single core 200A with high voltage interlock connector



W1M200系列单芯200A带高压互锁连接器

W1M200 series single core 200A with high voltage interlock connector

W1M200系列连接器主要应用在高压盒、电控、电池上。

W1M200 series connector mainly applies to high voltage boxes, electric control and battery

产品选型
Product List

插头型号明细 Type Specification

序号No.	订货型号Type Spec.	产品描述Description	适配线缆规格Applicable wire Size
1	W1M18*-200-25	直头*键位无高压互锁插头-25mm ² Straight plug*without high voltage interlock plug-25mm ²	25mm ² 屏蔽线 25mm ² shielded wire
2	W1M18*-200-35	直头*键位无高压互锁插头-35mm ² Straight plug*without high voltage interlock plug-35mm ²	35mm ² 屏蔽线 35mm ² shielded wire
3	W1M18*-200-50	直头*键位无高压互锁插头-50mm ² Straight plug*without high voltage interlock plug-50mm ²	50mm ² 屏蔽线 50mm ² shielded wire
4	W1M28*-200-25	弯头*键位无高压互锁插头-25mm ² Elbow angle plug*without high voltage interlock plug-25mm ²	25mm ² 屏蔽线 25mm ² shielded wire
5	W1M28*-200-35	弯头*键位无高压互锁插头-35mm ² Elbow angle plug*without high voltage interlock plug-35mm ²	35mm ² 屏蔽线 35mm ² shielded wire
6	W1M28*-200-50	弯头*键位无高压互锁插头-50mm ² Elbow angle plug*without high voltage interlock plug-50mm ²	50mm ² 屏蔽线 50mm ² shielded wire
7	W1M18*-201-25	直头*键位带高压互锁插头-25mm ² Straight plug*with high voltage interlock plug-25mm ²	25mm ² 屏蔽线 25mm ² shielded wire
8	W1M18*-201-35	直头*键位带高压互锁插头-35mm ² Straight plug*with high voltage interlock plug-35mm ²	35mm ² 屏蔽线 35mm ² shielded wire
9	W1M18*-201-50	直头*键位带高压互锁插头-50mm ² Straight plug*with high voltage interlock plug-50mm ²	50mm ² 屏蔽线 50mm ² shielded wire
10	W1M28*-201-25	弯头*键位带高压互锁插头-25mm ² Elbow angle plug*with high voltage interlock plug-25mm ²	25mm ² 屏蔽线 25mm ² shielded wire
11	W1M28*-201-35	弯头*键位带高压互锁插头-35mm ² Elbow angle plug*with high voltage interlock plug-35mm ²	35mm ² 屏蔽线 35mm ² shielded wire
12	W1M28*-201-50	弯头*键位带高压互锁插头-50mm ² Elbow angle plug*with high voltage interlock plug-50mm ²	50mm ² 屏蔽线 50mm ² shielded wire

说明：“*”代表键位，有X、Y、W三种键位，每种键位对应一种颜色：X-橙色，Y-黑色，W-红色。

Remark: * represents key, X, Y, W key optional, one key one color, X-Orange, Y-Black, W-Red.

插座型号明细 Receptacle Type

序号NO.	订货型号Type Spec.	产品描述Description	尾部孔规格Tail's hole Size	额定电流Rated Current
1	W1M00*-200-10M8	*键位无高压互锁铜排螺纹孔M8插座 *key without high voltage interlock, copper bar, M8 threaded hole receptacle	M8	200A
2	W1M00*-201-10M8	*键位带高压互锁铜排螺纹孔M8插座 *key with high voltage interlock, copper bar, M8 threaded hole receptacle	M8	200A

说明：“*”代表键位，有X、Y、W三种键位，每种键位对应一种颜色：X-橙色，Y-黑色，W-红色。

Remark: * represents key, X, Y, W key optional, one key one color, X-Orange, Y-Black, W-Red.

性能参数
Performance parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金(Zinc alloy)
额定电流 (工作环境 温度30℃) Rated Current (Ambient temperature 30℃)	120A (适配电缆Fit for: 25mm ²) 150A (适配电缆Fit for: 35mm ²) 200A (适配电缆Fit for: 50mm ²)	环境温度 Temperature Range	-40℃~+125℃		
		连接器芯数 Cores	单芯(Single core)	表面处理 Plating	镀银(Silvering)
绝缘电阻 Insulation Resistance	≥2000MΩ 常态(Normalcy)	配线规格 Wire Size	25~50mm ²		
		电磁屏蔽 Electromagnetic Shielding	360°	密封体材料 Seals	硅橡胶(Silicon rubber)
耐压 Withstand Voltage	3000V AC	机械寿命 Duration	≥50 次 (Times)		

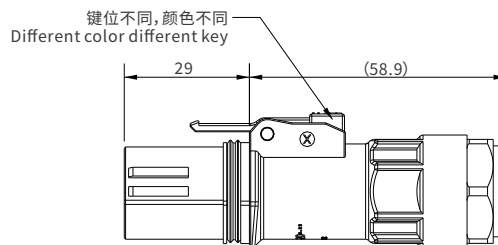
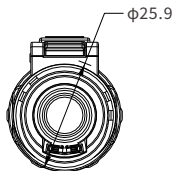
产品特点
Product Characteristic

多种防误插设计, 弯头尾部可正反向90°, 使用过程中能够很好的方便布线, 在紧凑的空间内, 增加了高压互锁设计, 能够在插入过程中起到保护作用。

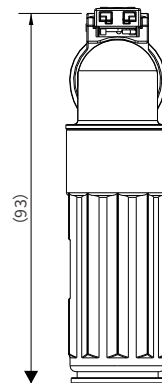
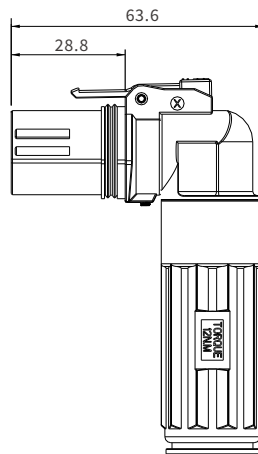
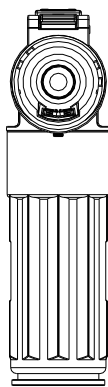
MPHPL200 series connector has various plugging protection design and the tail of elbow connector can turn to 90° in forward and reverse, being flexible in assembly and installation. It adds high voltage interlock design in compact space to make good protection in insertion process.

外形尺寸
External Dimension

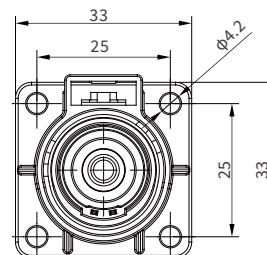
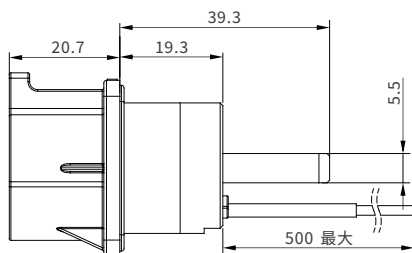
直头插头外形图
Straight plug dimension



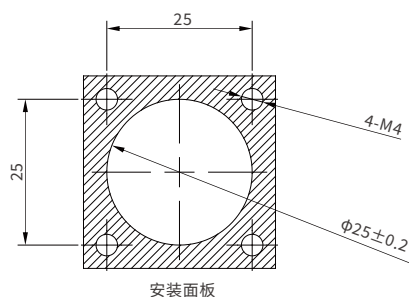
弯头插头外形图
Elbow angle plug dimension



插座外形尺寸图
Receptacle dimension



安装面板尺寸
Dimension of installation panel



选型说明
Model description

产品系列 Series Offering	W1M	28	X	201	50
18代表直式插头 28代表弯式插头 18 represents straight plug 28 represents elbow plug					
防误插键位: Protection key: X-X键位 橙色 Y-Y键位 黑色 W-W键位 红色 X-X key Orange, Y-Y key Black, W-W key Red					
高压互锁:HVIL 200-不带高压互锁 201-带高压互锁 High voltage interlock: 200-Without HVIL 201-With HVIL					
接线规格:25-适配25平方线缆 35-适配35平方线缆 50-适配50平方线缆 25-fit for 25mm ² wire 35-fit for 35mm ² wire 50-fit for 50mm ² wire					

产品系列 Series Offering	W1M	00	X	201	10M	8
00-插座 00-Receptacle						
防误插键位: Protection key: X-X键位 橙色 Y-Y键位 黑色 W-W键位 红色 X-X key Orange, Y-Y key Black, W-W key Red.						
高压互锁:HVIL 200-不带高压互锁 201-带高压互锁 High voltage interlock: 200-Without HVIL 201-With HVIL						
铜排孔类型:10M-铜排螺纹孔 Copper bar type: 10M-Copper bar threaded hole						
螺纹规格: M8螺纹孔 Threaded hole size:M8 threaded hole						

金属高压连接器系列

Metal high voltage connector series

W1M300系列单芯300A带高压互锁连接器
W1M300 series single core 300A with high voltage interlock connector



W1M300系列单芯300A带高压互锁连接器

W1M300 series single core 300A with high voltage interlock connector

该系列连接器是设计于电动车、混合动力市场的大电流传输的连接器,可压接35至70平方线,电流载流范围为150~250A,主要应用在电动、混合动力汽车高压配电箱、车载充电机电池包、电机、电控等辅助设备连接上。

This series connectors are designed for large current transmission of electrical vehicle and hybrid power market. They can crimp 35 to 70 mm² wire with a current range of 150 to 250A, and mainly be used for connecting auxiliary equipment such as electric and hybrid high voltage power distribution boxes, battery packs of on-board chargers, motors, and electronic controls.

产品选型
Product List

直头插头型号明细 Straight Plug List

序号 NO.	订货型号 Type Spec.	产品描述 Description	适配线缆规格 Applicable wire Size
1	W1M18*-301-35	直头*键位带高压互锁插头 Straight * key with high voltage interlock connector plug(male)	35mm ² 屏蔽线 35mm ² shielded wire
2	W1M18*-301-50	直头*键位带高压互锁插头 Straight * key with high voltage interlock connector plug(male)	50mm ² 屏蔽线 50mm ² shielded wire
3	W1M18*-301-70	直头*键位带高压互锁插头 Straight * key with high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
4	W1M18*-301-95	直头*键位带高压互锁插头 Straight * key with high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
5	W1M18*-300-35	直头*键位不带高压互锁插头 Straight * key without high voltage interlock connector plug(male)	35mm ² 屏蔽线 35mm ² shielded wire
6	W1M18*-300-50	直头*键位不带高压互锁插头 Straight * key without high voltage interlock connector plug(male)	50mm ² 屏蔽线 50mm ² shielded wire
7	W1M18*-300-70	直头*键位不带高压互锁插头 Straight * key without high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
8	W1M18*-300-95	直头*键位不带高压互锁插头 Straight * key without high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire

说明:“*”代表键位,有X、Y、W三种键位选择。Remark: * represents key, X, Y, W key optional.

弯头插头型号明细 Elbow Angle Plug List

序号 NO.	订货型号 Type Spec.	产品描述 Description	适配线缆规格 Applicable wire Size
1	W1M28*-301-35	弯头*键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)	35mm ² 屏蔽线 35mm ² shielded wire
2	W1M28*-301-50	弯头*键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)	50mm ² 屏蔽线 50mm ² shielded wire
3	W1M28*-301-70	弯头*键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
4	W1M28*-301-95	弯头*键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
5	W1M28*-300-35	弯头*键位不带高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)	35mm ² 屏蔽线 35mm ² shielded wire
6	W1M28*-300-50	弯头*键位不带高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)	50mm ² 屏蔽线 50mm ² shielded wire
7	W1M28*-300-70	弯头*键位不带高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
8	W1M28*-300-95	弯头*键位不带高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire

说明:“*”代表键位,有X、Y、W三种键位选择。Remark: * represents key, X, Y, W key optional.

插座型号明细 Receptacle List

序号 NO.	订货型号 Type Spec.	产品描述 Description	安装孔尺寸 Installation Hole Size
1	W1M00*-301-10M10	带高压互锁*键位M10螺纹插座 *key with high voltage interlock M10 threaded receptacle	M10
2	W1M00*-301-10M8	带高压互锁*键位M8螺纹插座 *key with high voltage interlock M8 threaded receptacle	M8
3	W1M00*-301-10D10	带高压互锁*键位D10通孔插座 *key with high voltage interlock M10 through-hole receptacle	D10
4	W1M00*-301-10D8	带高压互锁*键位D8通孔插座 *key with high voltage interlock M8 through-hole receptacle	D8
5	W1M00*-300-10M10	无高压互锁*键位M10螺纹插座 *keypress without high voltage interlock M10 threaded receptacle	M10
6	W1M00*-300-10M8	无高压互锁*键位M8螺纹插座 *keypress without high voltage interlock M8 threaded receptacle	M8
7	W1M00*-300-10D10	无高压互锁*键位D10通孔插座 *keypress without high voltage interlock M10 through-hole receptacle	D10
8	W1M00*-300-10D8	无高压互锁*键位D8通孔插座 *keypress without high voltage interlock M8 through-hole receptacle	D8

说明:“*”代表键位,有X、Y、W三种键位选择。Remark: * represents key, X, Y, W key optional.

性能参数
Performance parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金 (Zinc alloy) 铝合金 (Aluminum alloy)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	150A (适配电缆Fit for: 35mm ²)	环境温度 Temperature Range	-40°C~+125°C	壳体表面处理 Shell plating	镀镍或其他 (Nickel plating or others)
	200A (适配电缆Fit for: 50mm ²)			密封体材料 Insulation Material	PA66
	250A (适配电缆Fit for: 70mm ²)	连接器芯数 Cores	单芯(Single core)	阻燃等级 Flammability Rating	UL94 V-0
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)			插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
耐压 Withstand Voltage	3000V AC	配线规格 Wire Size	35~95mm ²	表面处理 Plating	镀银 (Silvering)
		机械寿命 Duration	≥50 次 (Times)	密封体 Seals	硅橡胶 (Silicon rubber)

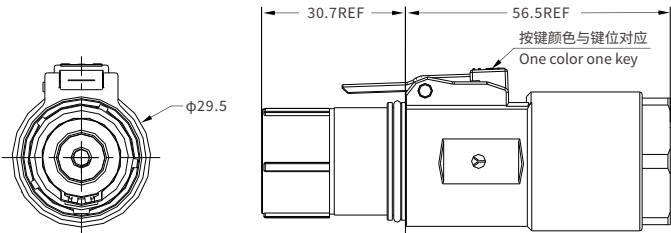
产品特点
Product Characteristic

弯头尾部可正反转向90°,使用过程中能够很好的方便布线。在紧凑的空间内,增加了高压互锁设计,能够在插合过程中很好的保护作用。

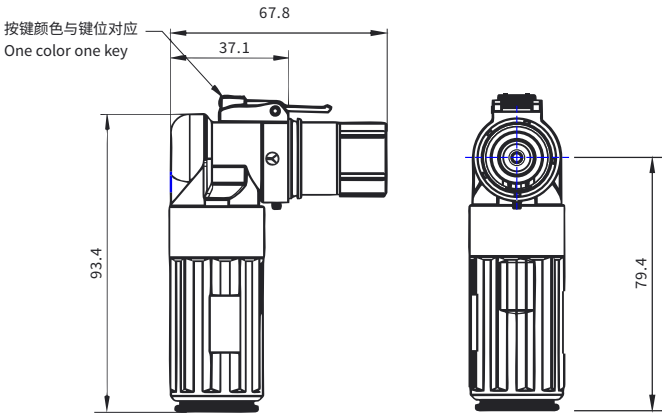
Tail of elbow connector turns to 90°in forward and reverse,flexible in assembly and installation. It adds high voltage interlock design in compact space to make good protection in insertion process.

外形尺寸
External Dimension

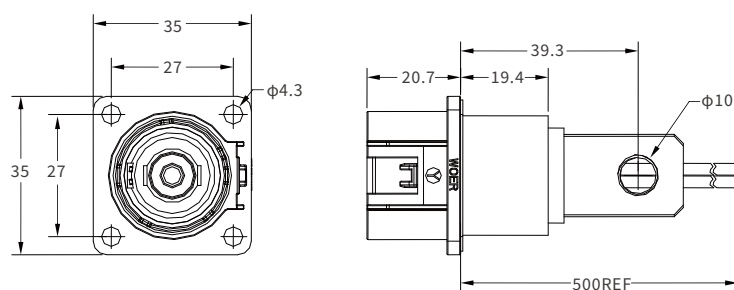
直头插头外形图 Straight plug dimension



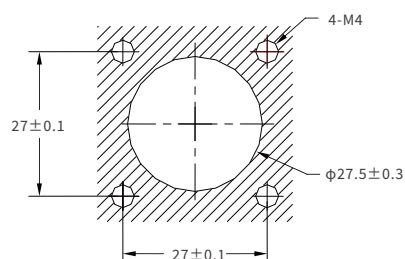
弯头插头外形图 Elbow angle plug dimension



螺柱插座外形尺寸图 Threaded receptacle external dimension



安装面板尺寸 Panel dimension

选型说明
Model description

产品代码 Product Number	W1M	18	X-	301	-50
18-直式插头 28-弯式插头 18 represents straight plug 28 represents elbow angle plug					
防误插键位:X-X键位 橙色 Y-Y键位 黑色 W-W键位 红色 Protection key:X key-Orange,Y key-Black,W key-Red					
高压互锁:HVIL 300 不带高压互锁 301 带高压互锁 High voltage interlock: 300-Without HVIL 301-With HVIL					
接线规格:35-适配35平方线缆 50-适配50平方线缆 70-适配70平方线缆 35-fit for 35mm ² wire 50-fit for 50mm ² wire 70-fit for 70mm ² wire					

产品代码 Product Number	W1M	00	X-	301	-10D	-10
00-插座 00-Receptacle						
防误插键位:X-X键位 橙色 Y-Y键位 黑色 W-W键位 红色 Protection key:X-Orange,Y-Black,W-Red.						
高压互锁:301-带高压互锁 300-不带高压互锁 High voltage interlock: 300-Without HVIL 301-With HVIL						
孔种类:10D-通孔 10M-螺纹孔 Hole type:10D- through-hole 10M-threaded hole						
孔/螺纹规格:8- $\phi 8$ 通孔/M8螺纹孔 10- $\phi 10$ 通孔/M10螺纹孔 Hole/thread size:8- $\phi 8$ through-hole/M8 threaded hole 10- $\phi 10$ through-hole/M10 threaded hole						

金属高压连接器系列

Metal high voltage connector series

W1MA300系列单芯250A带高压互锁连接器
W1MA300 series single core 250A with high voltage interlock connector



W1MA300系列单芯250A带高压互锁连接器

W1MA300 series single core 250A with high voltage interlock connector

该系列连接器是设计于电动车、混合动力市场的大电流传输的连接器,可压接35至70平方线,电流载流范围为150~250A,主要应用在电动、混合动力汽车高压配电箱、车载充电机电池包、电机、电控等辅助设备连接上。

This series connectors are designed for large current transmission of electrical vehicle and hybrid power market. They can crimp 35 to 70 mm² wire with a current range of 150 to 250A, and mainly be used for connecting auxiliary equipment such as electric and hybrid high voltage power distribution boxes, battery packs of on-board chargers, motors, and electronic controls.

产品选型
Product List

弯头插头型号明细 Elbow Angle Plug List

序号 NO.	订货型号 Type Spec.	产品描述 Description	适配线缆规格 Applicable wire Size
1	W1MA28X-301-25	弯头X键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)X	25mm ²
2	W1MA28Y-301-25	弯头Y键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)Y	
3	W1MA28U-301-25	弯头U键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)U	
4	W1MA28V-301-25	弯头V键位带高压互锁插头 Elbow angle* key with high voltage interlock connector plug(male)V	
5	W1MA28W-301-25	弯头W键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male) W	
6	W1MA28T-301-25	弯头T键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)T	
7	W1MA28X-301-35	弯头X键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)X	35mm ²
8	W1MA28Y-301-35	弯头Y键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)Y	
9	W1MA28U-301-35	弯头U键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)U	
10	W1MA28V-301-35	弯头V键位带高压互锁插头 Elbow angle* key with high voltage interlock connector plug(male)V	
11	W1MA28W-301-35	弯头W键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male) W	
12	W1MA28T-301-35	弯头T键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)T	
13	W1MA28X-301-50	弯头X键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)X	50mm ²
14	W1MA28Y-301-50	弯头Y键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)Y	
15	W1MA28U-301-50	弯头U键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)U	
16	W1MA28V-301-50	弯头V键位带高压互锁插头 Elbow angle* key with high voltage interlock connector plug(male)V	
17	W1MA28W-301-50	弯头W键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male) W	
18	W1MA28T-301-50	弯头T键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)T	
19	W1MA28X-301-70	弯头X键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)X	70mm ²
20	W1MA28Y-301-70	弯头Y键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)Y	
21	W1MA28U-301-70	弯头U键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)U	
22	W1MA28V-301-70	弯头V键位带高压互锁插头 Elbow angle* key with high voltage interlock connector plug(male)V	
23	W1MA28W-301-70	弯头W键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male) W	
24	W1MA28T-301-70	弯头T键位带高压互锁插头 Elbow angle * key with high voltage interlock connector plug(male)T	
25	W1MA28X-300-25	弯头X键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)X	25mm ²
26	W1MA28Y-300-25	弯头Y键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)Y	
27	W1MA28U-300-25	弯头U键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)U	
28	W1MA28V-300-25	弯头V键位非高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)V	
29	W1MA28W-300-25	弯头W键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male) W	
30	W1MA28T-300-25	弯头T键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)T	

W1MA300系列单芯250A带高压互锁连接器
W1MA300 series single core 250A with high voltage interlock connector

序号 NO.	订货型号 Type Spec.	产品描述 Description	适配线缆规格 Applicable wire Size
31	W1MA28X-300-35	弯头X键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)X	35mm ²
32	W1MA28Y-300-35	弯头Y键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)Y	
33	W1MA28U-300-35	弯头U键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)U	
34	W1MA28V-300-35	弯头V键位非高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)V	
35	W1MA28W-300-35	弯头W键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male) W	
36	W1MA28T-300-35	弯头T键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)T	
37	W1MA28X-300-50	弯头X键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)X	50mm ²
38	W1MA28Y-300-50	弯头Y键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)Y	
39	W1MA28U-300-50	弯头U键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)U	
40	W1MA28V-300-50	弯头V键位非高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)V	
41	W1MA28W-300-50	弯头W键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male) W	
42	W1MA28T-300-50	弯头T键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)T	
43	W1MA28X-300-70	弯头X键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)X	70mm ²
44	W1MA28Y-300-70	弯头Y键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)Y	
45	W1MA28U-300-70	弯头U键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)U	
46	W1MA28V-300-70	弯头V键位非高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)V	
47	W1MA28W-300-70	弯头W键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male) W	
48	W1MA28T-300-70	弯头T键位非高压互锁插头 Elbow angle * key without high voltage interlock connector plug(male)T	

插座型号明细 Receptacle Type

序号 NO.	订货型号 Type Spec.	产品描述 Description	尾部孔规格Tail hole specification
1	W1MA00X-301-M10	X键位带高压互锁螺纹孔M10插座 X key with high voltage interlock M10 threaded receptacle	M10 (扭矩:12~15N m)
2	W1MA00Y-301-M10	Y键位带高压互锁螺纹孔M10插座 Y key with high voltage interlock M10 threaded receptacle	
3	W1MA00U-301-M10	U键位带高压互锁螺纹孔M10插座 U key with high voltage interlock M10 threaded receptacle	
4	W1MA00V-301-M10	V键位带高压互锁螺纹孔M10插座 V key with high voltage interlock M10 threaded receptacle	
5	W1MA00W-301-M10	W键位带高压互锁螺纹孔M10插座 W key with high voltage interlock M10 threaded receptacle	
6	W1MA00T-301-M10	T键位带高压互锁螺纹孔M10插座 T key with high voltage interlock M10 threaded receptacle	
7	W1MA00X-301-M8	X键位带高压互锁螺纹孔M8插座 X key with high voltage interlock M8 threaded receptacle	M8 (扭矩:8~10N m)
8	W1MA00Y-301-M8	Y键位带高压互锁螺纹孔M8插座 Y key with high voltage interlock M8 threaded receptacle	
9	W1MA00U-301-M8	U键位带高压互锁螺纹孔M8插座 U key with high voltage interlock M8 threaded receptacle	
10	W1MA00V-301-M8	V键位带高压互锁螺纹孔M8插座 V key with high voltage interlock M8 threaded receptacle	
11	W1MA00W-301-M8	W键位带高压互锁螺纹孔M8插座 W key with high voltage interlock M8 threaded receptacle	
12	W1MA00T-301-M8	T键位带高压互锁螺纹孔M8插座 T key with high voltage interlock M8 threaded receptacle	
13	W1MA00X-301-D10	X键位带高压互锁通孔D10插座 X key with high voltage interlock D10 through-hole receptacle	φ10
14	W1MA00Y-301-D10	Y键位带高压互锁通孔D10插座 Y key with high voltage interlock D10 through-hole receptacle	
15	W1MA00U-301-D10	U键位带高压互锁通孔D10插座 U key with high voltage interlock D10 through-hole receptacle	
16	W1MA00V-301-D10	V键位带高压互锁通孔D10插座 V key with high voltage interlock D10 through-hole receptacle	
17	W1MA00W-301-D10	W键位带高压互锁通孔D10插座 W key with high voltage interlock D10 through-hole receptacle	
18	W1MA00T-301-D10	T键位带高压互锁通孔D10插座 T key with high voltage interlock D10 through-hole receptacle	

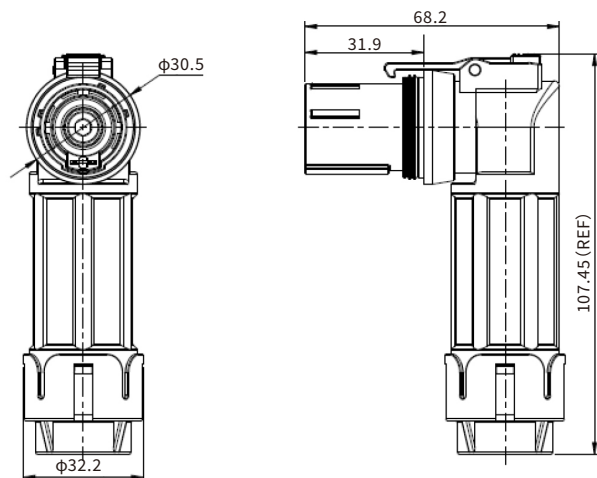
序号 NO.	订货型号 Type Spec.	产品描述 Description	尾部孔规格 Tail hole specification
19	W1MA00X-301-D8	X键位带高压互锁通孔D8插座 X key with high voltage interlock D8 through-hole receptacle	φ8
20	W1MA00Y-301-D8	Y键位带高压互锁通孔D8插座 Y key with high voltage interlock D8 through-hole receptacle	
21	W1MA00U-301-D8	U键位带高压互锁通孔D8插座 U key with high voltage interlock D8 through-hole receptacle	
22	W1MA00V-301-D8	V键位带高压互锁通孔D8插座 V key with high voltage interlock D8 through-hole receptacle	
23	W1MA00W-301-D8	W键位带高压互锁通孔D8插座 W key with high voltage interlock D8 through-hole receptacle	
24	W1MA00T-301-D8	T键位带高压互锁通孔D8插座 T key with high voltage interlock D8 through-hole receptacle	
25	W1MA00X-300-M10	X键位非高压互锁螺纹孔M10插座 X keypress without high voltage interlock M10 threaded receptacle	M10 (扭矩:12~15N m)
26	W1MA00Y-300-M10	Y键位非高压互锁螺纹孔M10插座 Y keypress without high voltage interlock M10 threaded receptacle	
27	W1MA00U-300-M10	U键位非高压互锁螺纹孔M10插座 U keypress without high voltage interlock M10 threaded receptacle	
28	W1MA00V-300-M10	V键位非高压互锁螺纹孔M10插座 V keypress without high voltage interlock M10 threaded receptacle	
29	W1MA00W-300-M10	W键位非高压互锁螺纹孔M10插座 W keypress without high voltage interlock M10 threaded receptacle	
30	W1MA00T-300-M10	T键位非高压互锁螺纹孔M10插座 T keypress without high voltage interlock M10 threaded receptacle	
31	W1MA00X-300-M8	X键位非高压互锁螺纹孔M8插座 X keypress without high voltage interlock M10 threaded receptacle	M8 (扭矩:8~10N m)
32	W1MA00Y-300-M8	Y键位非高压互锁螺纹孔M8插座 Y keypress without high voltage interlock M8 threaded receptacle	
33	W1MA00U-300-M8	U键位非高压互锁螺纹孔M8插座 U keypress without high voltage interlock M10 threaded receptacle	
34	W1MA00V-300-M8	V键位非高压互锁螺纹孔M8插座 V keypress without high voltage interlock M8 threaded receptacle	
35	W1MA00W-300-M8	W键位非高压互锁螺纹孔M8插座 W keypress without high voltage interlock M10 threaded receptacle	
36	W1MA00T-300-M8	T键位非高压互锁螺纹孔M8插座 T keypress without high voltage interlock M8 threaded receptacle	
37	W1MA00X-300-D10	X键位非高压互锁通孔D10插座 X keypress without high voltage interlock D10 through-hole receptacle	φ10
38	W1MA00Y-300-D10	Y键位非高压互锁通孔D10插座 Y keypress without high voltage interlock D10 through-hole receptacle	
39	W1MA00U-300-D10	U键位非高压互锁通孔D10插座 U keypress without high voltage interlock D10 through-hole receptacle	
40	W1MA00V-300-D10	V键位非高压互锁通孔D10插座 V keypress without high voltage interlock D10 through-hole receptacle	
41	W1MA00W-300-D10	W键位非高压互锁通孔D10插座 W keypress without high voltage interlock D10 through-hole receptacle	
42	W1MA00T-300-D10	T键位非高压互锁通孔D10插座 T keypress without high voltage interlock D10 through-hole receptacle	
43	W1MA00X-300-D8	X键位非高压互锁通孔D8插座 X keypress without high voltage interlock D8 through-hole receptacle	φ8
44	W1MA00Y-300-D8	Y键位非高压互锁通孔D8插座 Y keypress without high voltage interlock D8 through-hole receptacle	
45	W1MA00U-300-D8	U键位非高压互锁通孔D8插座 U keypress without high voltage interlock D8 through-hole receptacle	
46	W1MA00V-300-D8	V键位非高压互锁通孔D8插座 V keypress without high voltage interlock D8 through-hole receptacle	
47	W1MA00W-300-D8	W键位非高压互锁通孔D8插座 W keypress without high voltage interlock D8 through-hole receptacle	
48	W1MA00T-300-D8	T键位非高压互锁通孔D8插座 T keypress without high voltage interlock D8 through-hole receptacle	

性能参数
Performance parameters

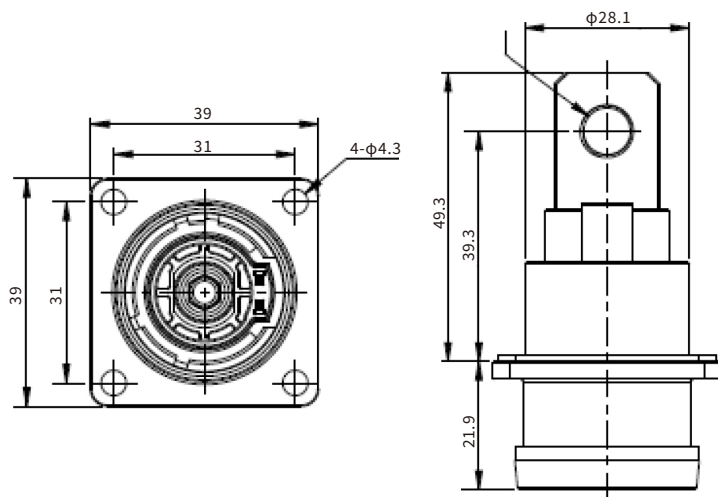
电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金 (Zinc alloy) 铝合金 (Aluminum alloy)
		环境温度 Temperature Range	-40℃~+125℃	壳体表面处理 Plating	镀镍或其他 (Nickel plating or others)
额定电流 (工作环境 温度30℃) Rated Current (Ambient temperature 30℃)	120A (适配电缆Fit for:25mm ²)	连接器芯数 Cores	单芯(Single core)	密封体材料 Insulation Material	PA66
	150A (适配电缆Fit for:35mm ²)			阻燃等级 Flammability Rating	UL94 V-0
	200A (适配电缆Fit for:50mm ²)			插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
	250A (适配电缆Fit for:70mm ²)			表面处理 Plating	镀银 (Silvering)
绝缘电阻 Insulation Resistance	≥3000MΩ 常态 (Normalcy)	机械寿命 Duration	≥50 次(Times)	密封体 Seals	硅橡胶 (Silicon rubber)
耐 压 Withstand Voltage	3000V AC	电磁屏蔽 Electromagnetic Shielding	360°		

外形尺寸
External Dimension

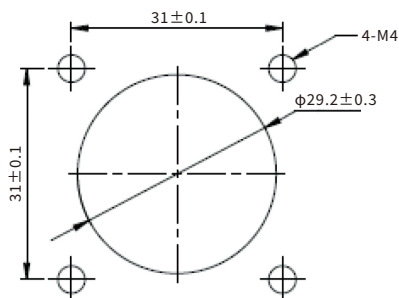
弯头插头外形图 Elbow angle plug dimension



插座外形图 Receptacle External Dimension



推荐安装面板尺寸 Dimension of installation panel



选型说明
Model description

产品代码 Product Number	W1MA	28	X-	301	-50
18-直式插头 28-弯式插头 18 represents straight plug 28 represents elbow angle plug					
防误插键位:X-X键位 橙色 Y-Y键位 黑色 U-U键位 黄色 V-V键位 绿色 W-W键位 红色 Protection key:X key-Orange,Y key-Black,U key-Yellow,V key-Green,W key-Red					
高压互锁:HVIL 300 不带高压互锁 301 带高压互锁 High voltage interlock: 300-Without HVIL 301-With HVIL					
接线规格:25-适配25平方线缆 35-适配35平方线缆 50-适配50平方线缆 70-适配70平方线缆 25-fit for 25mm ² wire 35-fit for 35mm ² wire 50-fit for 50mm ² wire 70-fit for 70mm ² wire					

金属高压连接器系列

Metal high voltage connector series

W1MA500系列单芯500A带高压互锁连接器
W1MA500 series single core 500A with high voltage interlock connector



W1MA500系列单芯500A带高压互锁连接器

W1MA500 series single core 500A with high voltage interlock connector

W1MA500系列主要应用于大巴车, 重卡等汽车的PDU、电控、电池上。

W1MA500 series applies to buses and heavy trucks' PDU, electronic control, and battery.

产品选型
Product List

插头型号明细 plug list

序号NO.	订货型号 Type spec.	产品描述 Description	适配线缆规格Applicable wire size
1	W1MA18*-500-70	直头*键位无高压互锁插头 straight * key without high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
2	W1MA18*-500-95	直头*键位无高压互锁插头 straight * key without high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
3	W1MA18*-500-120	直头*键位无高压互锁插头 straight * key without high voltage interlock connector plug(male)	120mm ² 屏蔽线 120mm ² shielded wire
4	W1MA18*-500-135	直头*键位无高压互锁插头 straight * key without high voltage interlock connector plug(male)	135mm ² 屏蔽线 135mm ² shielded wire
5	W1MA18*-500-150	直头*键位无高压互锁插头 straight * key without high voltage interlock connector plug(male)	150mm ² 屏蔽线 150mm ² shielded wire
6	W1MA18*-501-70	直头*键位带高压互锁插头 straight * key with high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
7	W1MA18*-501-95	直头*键位带高压互锁插头 straight * key with high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
8	W1MA18*-501-120	直头*键位带高压互锁插头 straight * key with high voltage interlock connector plug(male)	120mm ² 屏蔽线 120mm ² shielded wire
9	W1MA18*-501-135	直头*键位带高压互锁插头 straight * key with high voltage interlock connector plug(male)	135mm ² 屏蔽线 135mm ² shielded wire
10	W1MA18*-501-150	直头*键位带高压互锁插头 straight * key with high voltage interlock connector plug(male)	150mm ² 屏蔽线 150mm ² shielded wire
11	W1MA28*-500-70	弯头*键位无高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
12	W1MA28*-500-95	弯头*键位无高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
13	W1MA28*-500-120	弯头*键位无高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)	120mm ² 屏蔽线 120mm ² shielded wire
14	W1MA28*-500-135	弯头*键位无高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)	135mm ² 屏蔽线 135mm ² shielded wire
15	W1MA28*-500-150	弯头*键位无高压互锁插头 Elbow angle* key without high voltage interlock connector plug(male)	150mm ² 屏蔽线 150mm ² shielded wire
16	W1MA28*-501-70	弯头*键位带高压互锁插头 Elbow angle*key with high voltage interlock connector plug(male)	70mm ² 屏蔽线 70mm ² shielded wire
17	W1MA28*-501-95	弯头*键位带高压互锁插头 Elbow angle*key with high voltage interlock connector plug(male)	95mm ² 屏蔽线 95mm ² shielded wire
18	W1MA28*-501-120	弯头*键位带高压互锁插头 Elbow angle*key with high voltage interlock connector plug(male)	120mm ² 屏蔽线 120mm ² shielded wire
19	W1MA28*-501-135	弯头*键位带高压互锁插头 Elbow angle*key with high voltage interlock connector plug(male)	135mm ² 屏蔽线 135mm ² shielded wire
20	W1MA28*-501-150	弯头*键位带高压互锁插头 Elbow angle*key with high voltage interlock connector plug(male)	150mm ² 屏蔽线 150mm ² shielded wire

说明: “*”代表键位, 有X、Y、U、V、W五种键位选择, 每个键位对应一种颜色; X-橙色, Y-黑色, U-黄色, V-绿色, W-红色。Remark: * represents Protection key, X, Y, U, V, W key optional, one key one color, X-orange Y-black, U-yellow, V-green, W-red.

插座型号明细 Receptacle Type

序号 NO.	订货型号 Type Spec.	产品描述 Description	尾部孔规格(A) Tail's hole size
1	W1MA00*-500-M10	插座*键位无高压互锁插头 Receptacle*key without high voltage interlock connector plug(male)	M10
2	W1MA00*-501-M10	插座*键位带高压互锁插头 Receptacle*key with high voltage interlock connector plug(male)	M10
3	W1MA00*-500-M8	插座*键位无高压互锁插头 Receptacle*key without high voltage interlock connector plug(male)	M8
4	W1MA00*-501-M8	插座*键位带高压互锁插头 Receptacle*key with high voltage interlock connector plug(male)	M8

说明: “*”代表键位, 有X、Y、U、V、W五种键位选择, 每个键位对应一种颜色; X-橙色, Y-黑色, U-黄色, V-绿色, W-红色。Remark: * represents Protection key, X, Y, U, V, W key optional, one key one color, X-orange Y-black, U-yellow, V-green, W-red.

性能参数
Performance parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金 (Zinc alloy) 铝合金 (Aluminum alloy)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	300A (适配电缆Fit for:70mm²)	环境温度 Temperature Range	-40°C~+125°C	绝缘体材料 Insulation Material	尼龙 (Nylon)
	350A (适配电缆Fit for:95mm²)	连接器芯数 Cores	单芯(Single core)	阻燃等级 Flammability Rating	UL94 V-0
	400A (适配电缆Fit for:120mm²)	配线规格 Wire Size	70~150mm²	插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
	450A (适配电缆Fit for:135mm²)	电磁屏蔽 Electromagnetic Shielding	360°屏蔽(360°Shielding)	表面处理 Plating	镀银 (Silvering)
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	机械寿命 Duration	≥50次(Times)	密封体 Seals	硅橡胶 (Silicon rubber)
耐压 Withstand Voltage	3000V AC				

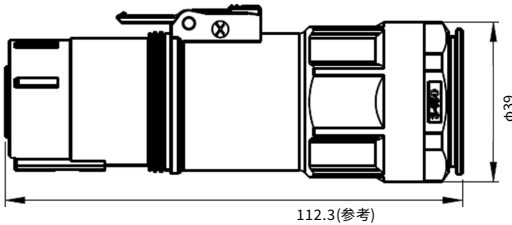
产品特点
Product Characteristic

多种防误插设计, 弯头尾部可正反向转90°,使用过程中能够很好的方便布线,在紧凑的空间内,增加了高压互锁设计,能够在插合过程中起到保护作用。

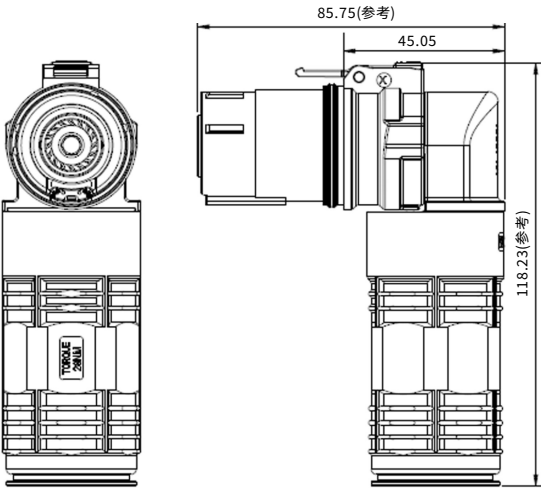
MPHPLA500 series connector has various anti-misplug design and the tail of elbow connector can turn to 90°in forward and reverse, being flexible in assembly and installation. It adds high voltage interlock design in compact space to make good protection in insertion process.

外形尺寸
External Dimension

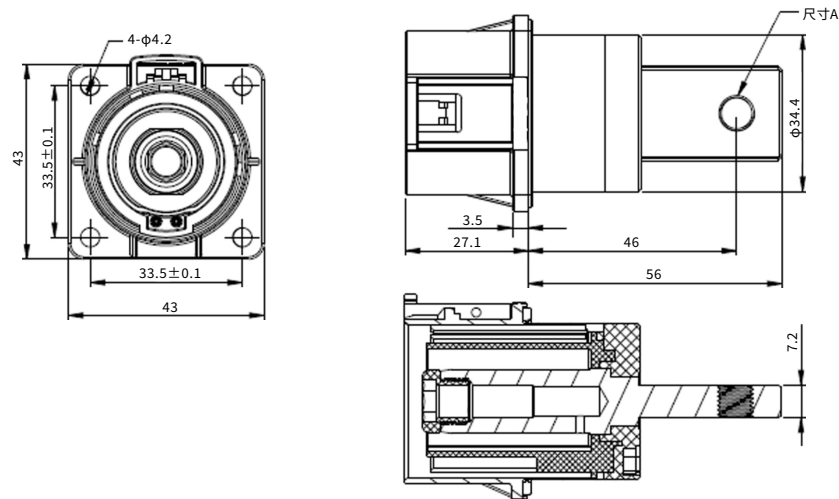
直头插头外形图 Straight plug outside view



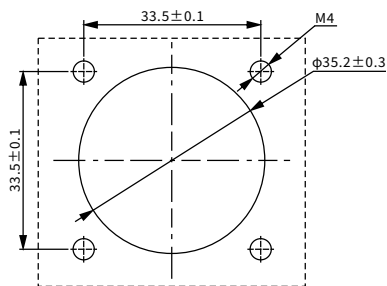
弯头插头外形图 Elbow plug outside view



插座外形尺寸图 Receptacle dimension



推荐安装面板尺寸 Dimension of installation panel



面板开孔尺寸 Panel trepanning size

选型说明
Model description

产品系列Product series	W1MA	28	X	501	-95
18-直式插头 18-Straight Plug	28-弯式插头 28-Elbow Plug				
防误插键位: X-X键位 Y-Y键位 U-U键位 V-V键位 W-W键位 Protection key: X key Y key U key V key W key					
高压互锁: 500-不带高压互锁 501-带高压互锁 High voltage interlock: 500-without high voltage interlock 501-with high voltage interlock					
接线规格(wire size): 70mm ² , 95mm ² , 120mm ² , 135mm ² , 150mm ²					

产品系列Product series	W1MA	00	X	501	-M10
00-插座Socket					
防误插键位: X-X键位 Y-Y键位 U-U键位 V-V键位 W-W键位 Protection key: X key Y key U key V key W key					
高压互锁: 500-不带高压互锁 501-带高压互锁 High voltage interlock: 500-without high voltage interlock 501-with high voltage interlock					
铜排尾部孔规格Tail of copper bar size : M10, M8					

信号传输连接器系列

Signal transmission connector series

W1MUT经典系列信号连接器

W1MUT series signal connector



W1MUT经典系列信号连接器

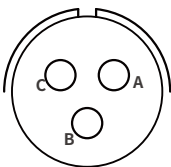
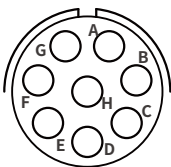
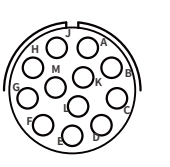
W1MUT series signal connector

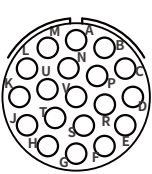
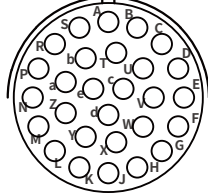
W1MUT系列是金属卡口式信号连接器,参考美军标MIL-C-26482系列设计,采用16#冲压端子,连接安全可靠,是一款性价比非常高的通用型连接器,应用范围非常广泛,可与同类产品互换,产品具有快速连接和分离、密度高、体积小、耐环境好,可靠性高、可抗高冲击和振动等特点,在新能源汽车、航空、军用、测量仪器、监测设备、机械设备、通信设备、机器人技术、海上作业、医疗设备、石油化工设备、汽车、铁路及其他交通和工业领域中有着广泛的应用。

W1MUT series is metal bayonet signal lock connector, it's designed to meet with the requirements of MIL-C-26482 series military specification. The series uses 16# stamped and formed contact, which makes the products safe and sustainable, it is a high-performance, cost-effective solution. The W1MUT series with quickly connect and split, high density and reliability, good environmental resistance, great shock and vibration-resistant properties, can be interchanged with similar products in shape and properties. Our products are widely use in new energy vehicles, aviation, military, measuring instruments, monitoring equipment, machinery, communications equipment, robotic technology, offshore operations, armarium, petrochemical equipment, vehicle, railway and other transportation, industrial fields.

孔位排布
Insert Configuration

从插针的正端面或插孔的背面看(顺时针排布) View from the front or back of the pins(arranged clockwise)

			
孔位排列 Insert Configuration	12-3	12-8	14-12
额定电流 Rated Current	13A	13A	13A
端子数量 Quantity	3	8	12
端子型号 Contact Type	16	16	16

			
孔位排列 Insert Configuration	16-19	20-28	
额定电流 Rated Current	13A	13A	
端子数量 Quantity	19	28	
端子型号 Contact Type	16	16	

性能参数
Performance Parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	300V AC/DC	防护等级 Protection	IP67	壳体材料 Shell Material	锌合金 (Zinc alloy) 铝合金 (Aluminum alloy)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	13A	环境温度 Temperature Range	-40°C~+125°C	壳体表面处理 Shell plating	镀镍或其他 (Nickel plating or others)
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	连接器芯数 Cores	3/8/12/19/28芯(cores)	密封体材料 Insulation Material	PA66
		配线规格 Wire Size	20~14AWG(0.5~2.5mm ²)	阻燃等级 Flammability Rating	UL94 V-0
耐压 Withstand Voltage	2000V AC	机械寿命 Duration	≥50次(Times)	插针及插孔材料 Pin and Contact Material	铜合金 (Copper Alloy)
				端子表面处理 Plating	漂金 (Gold plated)
				密封体 Seals	硅橡胶 (Silicon rubber)

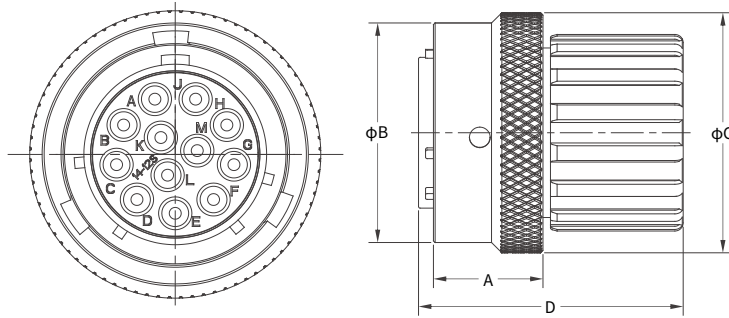
产品特点
Product Characteristic

金属卡口式, 参考美军标MIL-C-26482系列设计, 完全兼容与其他公司该类型产品。金属外壳, 连接牢固可靠, 三重啮合保障多种防误插键位设计。

Metal bayonet signal lock connectors which are designed to meet the requirements of MIL-C-26482 series military specification, can be compatible with similar products in shape and properties from other companies. The connector uses a metal shell for a solid and reliable connection, with a triple-engagement guarantee and a variety of anti-misplug keys designed to prevent misplacement.

外形尺寸
External Dimension

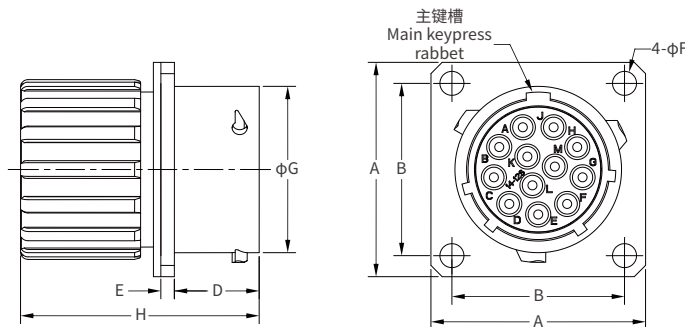
插头外形图 Receptacle External Dimension



订货型号 Type Spec.	壳体号 Shell Size	外观尺寸 External Size				适配端子 Applicable Contact
		A	ΦB	ΦC	D	
W1MUT612-3P*1	12	13.2	23.6	24.8	40	16#UT端子需单独购买 (16# UT contact needs to be purchased separately) P16M-16D P16M-20D S16-16D S16-20D
W1MUT612-3S*1	12	13.2	23.6	24.8	32	
W1MUT612-8P*1	12	13.2	23.6	24.8	40	
W1MUT612-8S*1	12	13.2	23.6	24.8	32	
W1MUT614-12P*1	14	13.2	26.8	28	40	
W1MUT614-12S*1	14	13.2	26.8	28	32	
W1MUT616-19P*1	16	13.2	30	31.2	40	
W1MUT616-19S*1	16	13.2	30	31.2	32	
W1MUT620-28P*1	20	14.2	36.6	37.5	41.8	
W1MUT620-28S*1	20	14.2	36.6	37.5	33.5	

说明: “*”代表可选键位。Remark: “*”represents optional key

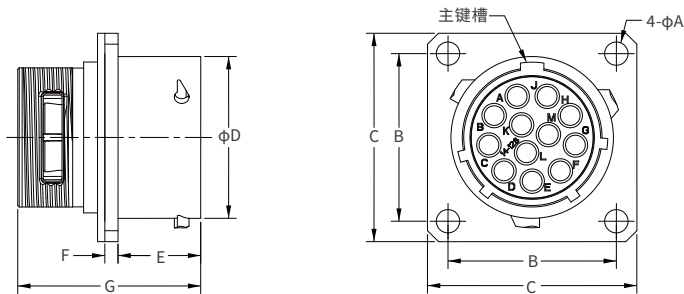
插座外形图 Receptacle External Dimension



订货型号 Type Spec.	壳体号 Shell Size	外观尺寸 External Dimension							适配端子 Applicable Contact
		A	B	D	E	ΦF	ΦG	H	
W1MUT012-3P*1	12	26.2	20.6	11.3	1.8	3.2	19	40	16#UT端子需单独购买 16# UT contact needs to be purchased separately P16M-16D P16M-20D S16-16D S16-20D
W1MUT012-3S*1	12	26.2	20.6	11.3	1.8	3.2	19	32	
W1MUT012-8P*1	12	26.2	20.6	11.3	1.8	3.2	19	40	
W1MUT012-8S*1	12	26.2	20.6	11.3	1.8	3.2	19	32	
W1MUT014-12P*1	14	28.6	23	11.3	1.8	3.2	22	40	
W1MUT014-12S*1	14	28.6	23	11.3	1.8	3.2	22	32	
W1MUT016-19P*1	16	31	24.6	11.3	1.8	3.2	25.3	40	
W1MUT016-19S*1	16	31	24.6	11.3	1.8	3.2	25.3	32	
W1MUT020-28P*1	20	36.5	29.4	14.6	2.4	3.2	31.7	43.6	
W1MUT020-28S*1	20	36.5	29.4	14.6	2.4	3.2	31.7	35.7	

说明：“*”代表可选键位。Remark：“*”represents optional key.

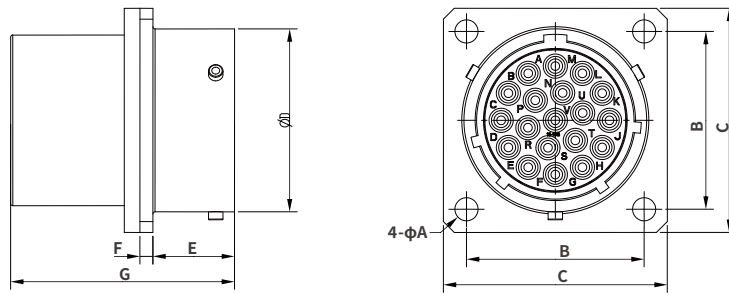
插座外形图 (无尾部附件) Receptacle dimension (No backshell accessories)



订货型号 Type Spec.	壳体号 Shell Size	外观尺寸 External Dimension							适配端子 Applicable Contact
		ΦA	B	C	ΦD	E	F	G	
W1MUT012-3P*1N	12	3.2	20.6	26.2	19	11.3	1.8	32.5	16#UT端子需单独购买 16# UT contact needs to be purchased separately P16M-16D P16M-20D S16-16D S16-20D
W1MUT012-3S*1N	12	3.2	20.6	26.2	19	11.3	1.8	25	
W1MUT012-8P*1N	12	3.2	20.6	26.2	19	11.3	1.8	32.5	
W1MUT012-8S*1N	12	3.2	20.6	26.2	19	11.3	1.8	25	
W1MUT014-12P*1N	14	3.2	23	28.6	22	11.3	1.8	32.5	
W1MUT014-12S*1N	14	3.2	23	28.6	22	11.3	1.8	25	
W1MUT016-19P*1N	16	3.2	24.6	31	25.3	11.3	1.8	32.5	
W1MUT016-19S*1N	16	3.2	24.6	31	25.3	11.3	1.8	25	
W1MUT020-28P*1N	20	3.2	29.4	36.5	31.7	14.6	2.4	33.7	
W1MUT020-28S*1N	20	3.2	29.4	36.5	31.7	14.6	2.4	28.8	

说明：“*”代表可选键位。Remark：“*”represents optional key.

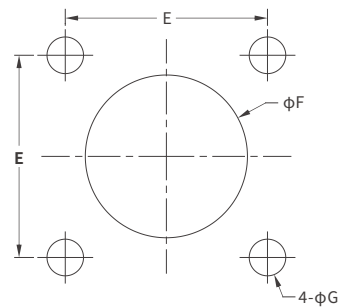
插座外形图 (灌胶式) Receptacle External Dimension (Glue filling)



订货型号 Type Spec.	壳体号 Shell Size	外观尺寸 External Dimension							适配端子 Applicable contact
		ΦA	B	C	ΦD	E	F	G	
W1MUT012-3S*1M	12	3.2	20.6	26.2	19	11.3	1.8	31	16#UT端子需单独购买 16# UT contact needs to be purchased separately P16M-16D P16M-20D S16-16D S16-20D
W1MUT012-8S*1M	12	3.2	20.6	26.2	19	11.3	1.8	31	
W1MUT014-12S*1M	14	3.2	23	28.6	22	11.3	1.8	31	
W1MUT016-19S*1M	16	3.2	24.6	31	25.3	11.3	1.8	31	
W1MUT020-28S*1M	20	4.2	29.4	36.5	31.7	14.6	2.4	34.6	

说明：“*”代表可选键位。Remark: “*” represents optional key

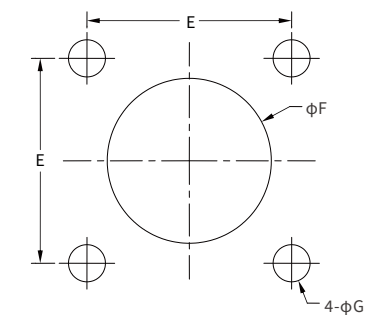
推荐插座安装开孔尺寸 Recommended install trepanning size



壳体号 Shell Size	面板开孔尺寸 Panel trepanning size		
	E ± 0.05	ΦF ^{+0.2} ₀	ΦG ^{+0.2} ₀
12	20.6	21.5	3.2
14	23	24.6	3.2
16	24.6	27.5	3.2
20	29.4	33.9	3.2

推荐插座安装开孔尺寸(无尾部附件式)

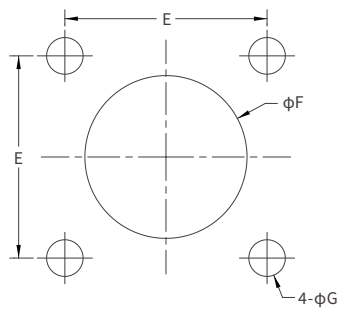
Recommended trepanning dimension for receptacle installation (No backshell accessories)



壳体号 Shell Size	面板开孔尺寸 Panel trepanning size		
	E ± 0.05	ΦF ^{+0.2} ₀	ΦG ^{+0.2} ₀
12	20.6	18.4	3.2
14	23	21.5	3.2
16	24.6	24.6	3.2
20	29.4	31.2	3.2

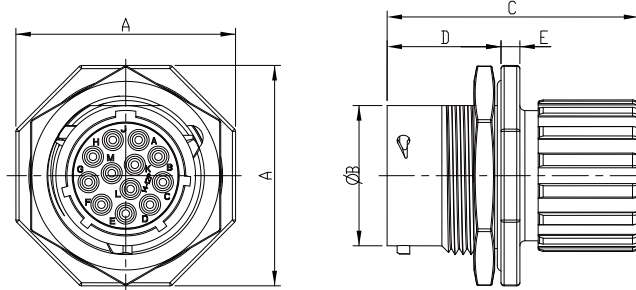
推荐插座安装开孔尺寸(灌胶式插座)

Recommended trepanning dimension for receptacle installation (Gule-filled receptacle)



壳体号 Shell size	面板开孔尺寸 Panel trepanning size		
	$E \pm 0.05$	$\Phi F_{+0.2}^0$	$\Phi G_{+0.2}^0$
12	20.6	18.4	3.2
14	23	21.5	3.2
16	24.6	24.6	3.2
20	29.4	31.2	4.2

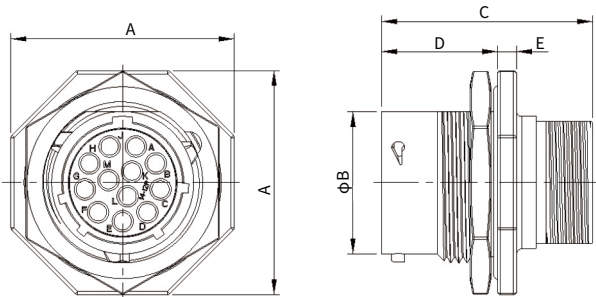
八方盘插座外形图 Eight square plate receptacle outside view



订货型号 Type Spec.	壳体号 Shell No.	外观尺寸 External dimension					适配端子 Applicable contact
		A	ΦB	C	D	E	
W1MUT714-8P*1	14	34.9	22.2	40	18.1	3	16#UT 端子 需单独购买 (purchase individually) P16M-16D P16M-20D S16-16D S16-20D
W1MUT714-12P*1	14	34.9	22.2	40	18.1	3	
W1MUT716-19P*1	16	38.1	25.3	40	18.1	3	

说明：“*”代表可选键位。Remark：“*”represents optional key.

八方盘插座外形图(无尾部附件) Eight square plate receptacle outside view(No backshell accessories)

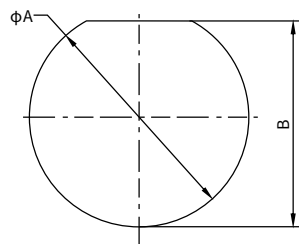


订货型号 Type Spec.	壳体号 Shell No.	外观尺寸 External dimension					适配端子 Applicable contact
		A	ΦB	C	D	E	
W1MUT714-8P*1N	14	34.9	22.2	33	18.1	3	16#UT 端子 需单独购买 (purchase individually) P16M-16D P16M-20D S16-16D S16-20D
W1MUT714-8S*1N	14	34.9	22.2	33	18.1	3	
W1MUT714-12P*1N	14	34.9	22.2	33	18.1	3	
W1MUT714-12S*1N	14	34.9	22.2	33	18.1	3	
W1MUT716-19P*1N	16	38.1	25.3	33	18.1	3	
W1MUT716-19S*1N	16	38.1	25.3	33	18.1	3	

说明：“*”代表可选键位。Remark：“*”represents optional key.

推荐插座安装开孔尺寸 (八方盘插座)

Suggested installation hole demension for receptacle(Eight square plate receptacle)



壳体号 Shell No.	面板开孔尺寸Panel trepanning size	
	$\Phi A \begin{smallmatrix} +0.2 \\ 0 \end{smallmatrix}$	$B \begin{smallmatrix} +0.2 \\ 0 \end{smallmatrix}$
14	25.5	24.0
16	28.7	27.2

选型说明 Model Description

产品系列 Series Offering W1MUT 0 12-3 P W 1 N

0- 法兰盘安装插座Flange wall mounting receptacle
6- 插头Plug 7- 八方盘插座Eight square plate receptacle

孔位排布Insert Configuration:壳体号 Shell No. - 孔位
10-4 12-3 12-8 14-8 14-12 16-19 20-28

P- 插针Pins S- 插孔Contacts

防误插键位:空缺 - 常规标准键位Protection key :Blank-Normal Protection key
W-W 键位 X-X 键位 Y-Y 键位 Z-Z 键位 W key X key Y key Z key
(20 号壳体无此键位20# shell with no this Protection key)

外壳表面处理:镀镍, 耐 48 小时盐雾Shell surface plating: plated nickel, 48H salt spraytest

尾部附件Backshell accessories:

空缺 - 带尾部附件和密封圈 (推荐)Vacancy - with backshell accessories and seal rings(recommended)

N- 无尾部附件和密封圈No backshell accessories and seal rings

M- 灌胶式glue filling (Just for receptacle) (仅限插座)

端子型号说明

P- 插针Pins S- 插孔Contacts P 16- 16 D

端子规格:16代表16#端子 Contact size: 16 refers to 16# contact

可压接线号:16 代表 18~16AWG(0.75~1.5mm²) 20 代表 20AWG(0.5mm²)
Wire size range: 16 refers to 18~16AWG(0.75~1.5mm²) 20 refers to 20AWG

D 代表 漂金 D refers to gold plated

螺接式过孔连接头系列

Spiral pass-through connector

W1PCPT系列180°过孔连接器
W1PCPT series 180° pass-through connector



W1PCPT系列180°过孔连接器

W1PCPT series 180°pass-through connector

该系列连接器是设计于电动车、混合动力汽车的塑料外壳连接器，可压16至50平方线缆，载流量最大可达180A。360°屏蔽及高防护等级，可满足电动、混合动力驱动电机、发电机、电动机、电机控制器、逆变器、PDU等设备安全可靠的电流输入要求。

The connectors of the series are designed for plastic shell connectors in electric vehicles, and hybrid power automotors. Crimped with 16 to 50mm² wire, maximum current is up to 180A, 360°shielding and high protection rating, which made the connectors satisfy secure and reliable import current demand in electrical vehicles, hybrid generators, generators, motor controllers, power inverters, PDU, and other application.

物料信息

Part Information

两芯连接器型号明细 2 pins connector style

序号NO.	订货型号 Part Number	产品描述 Product Description	适配线缆规格 Applicable wire
1	W1PCPT2-16M	MPCPT两芯过孔连接器/接16平方线 MPCPT series 2 pins pass-through connector/ with 16mm ² wire	16mm ² 屏蔽线 16mm ² shielded wire
2	W1PCPT2-25M	MPCPT两芯过孔连接器/接25平方线 MPCPT series 2 pins pass-through connector/ with 25mm ² wire	25mm ² 屏蔽线 25mm ² shielded wire
3	W1PCPT2-35M	MPCPT两芯过孔连接器/接35平方线 MPCPT series 2 pins pass-through connector/ with 35mm ² wire	35mm ² 屏蔽线 35mm ² shielded wire
4	W1PCPT2-50M	MPCPT两芯过孔连接器/接50平方线 MPCPT series 2 pins pass-through connector/ with 50mm ² wire	50mm ² 屏蔽线 50mm ² shielded wire

三芯连接器型号明细 3 pins connector style

序号NO.	订货型号 Part Number	产品描述 Product Description	适配线缆规格 Applicable wire
1	W1PCPT3-16	MPCPT三芯过孔连接器/接16平方线 MPCPT series 3 pins pass-through connector/ with 16mm ² wire	16mm ² 屏蔽线 16mm ² shielded wire
2	W1PCPT3-25	MPCPT三芯过孔连接器/接25平方线 MPCPT series 3 pins pass-through connector/ with 25mm ² wire	25mm ² 屏蔽线 25mm ² shielded wire
3	W1PCPT3-35	MPCPT三芯过孔连接器/接35平方线 MPCPT series 3 pins pass-through connector/ with 35mm ² wire	35mm ² 屏蔽线 35mm ² shielded wire
4	W1PCPT3-50	MPCPT三芯过孔连接器/接50平方线 MPCPT series 3 pins pass-through connector/ with 50mm ² wire	50mm ² 屏蔽线 50mm ² shielded wire

性能参数

Performance Data

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	尼龙 (Nylon)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	80A (适配线缆Fit for: 16mm ²)	环境温度 Temperature Range	-40°C~+125°C		
	120A (适配线缆Fit for: 25mm ²)	连接器芯数 Cores	2-cores/ 3-cores	阻燃等级 Flammability Rating	UL94 V-0
	150A (适配线缆Fit for: 35mm ²)				
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	配线规格 Wire Size	16~50mm ² 屏蔽电缆 (16~50mm ² shielded wire)	密封体 Seals	硅橡胶 (Silicon rubber)
耐压 Withstand Voltage	3000V AC	电磁屏蔽 Electromagnetic Shielding	360°		

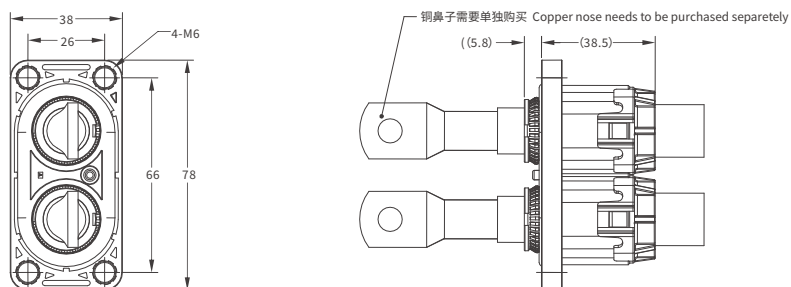
结构特点

Structural Features

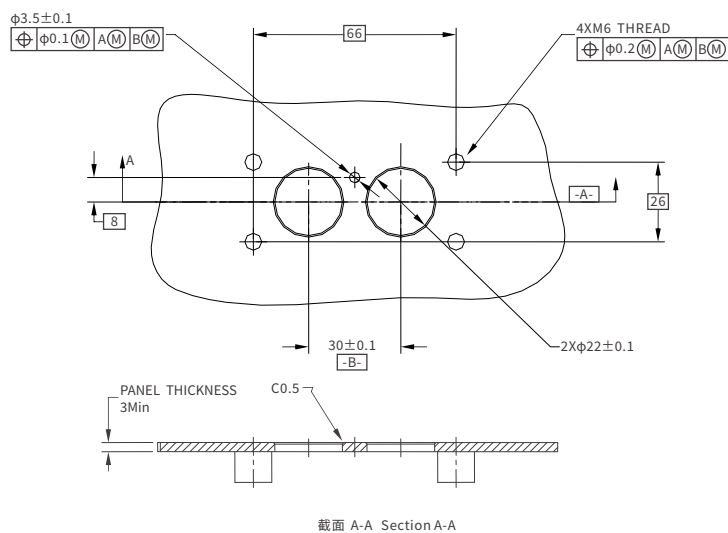
安装简单，连接可靠。出色的屏蔽性能，经济低成本的解决方案。

Easy installation, reliable connection, excellent shielding properties, and low-cost solution.

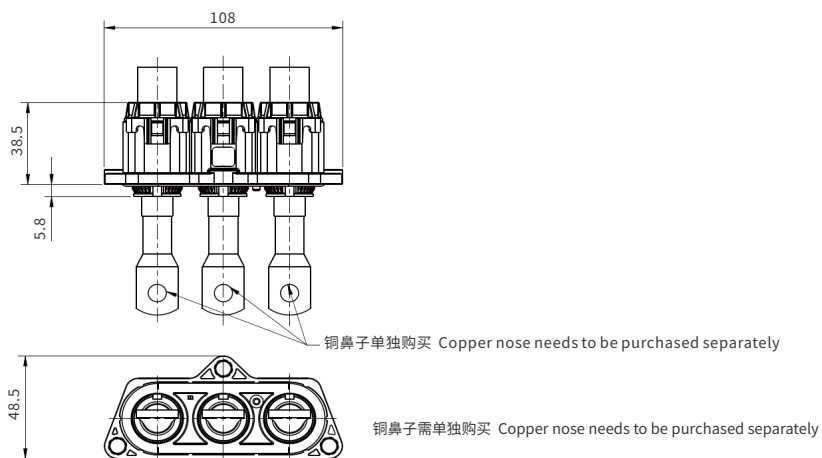
两芯外形图 2 pins connector dimension



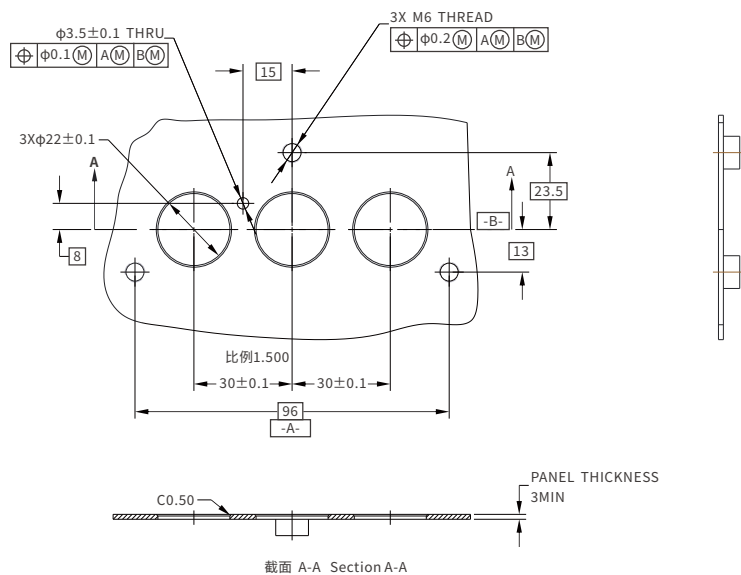
两芯推荐开孔尺寸 Suggested hole dimension for 2 pins connector



三芯外形图 3 pins connector dimension



三芯推荐开孔尺寸 Recommended hole dimension for 3 pins connector



选型说明

Model Description

产品系列 Series Offering	W1PCPT	2	-35	M
2-两芯 ;3-三芯。 2 cores; 3 cores				
线规格:16-适配16平方线缆 ;25-适配25平方线缆;35-适配35平方线缆;50-适配50平方线缆。 Wire Size: 16-Fit for 16mm², 25-Fit for 25mm²,50-Fit for 50mm²				
M:两芯产品型号带有M,三芯产品省略。 M:2 cores products with M, 3 cores connector with blank				

螺接式过孔连接头系列

Spiral pass-through connector

W1PCPT-A系列180°过孔连接器
W1PCPT-A series 180° pass-through connector



W1PCPT-A系列180°过孔连接器
W1PCPT-A series 180°pass-through connector

W1PCPT-A系列设计用于电动车驱动电机,电机控制器,多合一等设备,可压接25~70mm²线缆,载流量最大为250A,具有360°屏蔽以及高等级防护。

W1PCPT-A series is designed for EV Motor, Motor Control and all-in-one equipment. This connector can be crimped with 25 to 75 mm²wires, and the maximum current is up to 250A, providing 360°shielded and high degree protection.

物料信息
Part Information

插头型号明细 Plug type

序号NO.	订货型号 Part Number	产品描述 Product Description	适配线缆规格 Applicable wire
1	W1PCPT2-25A	两芯过孔连接器 2 pins pass-through connector	25mm ² 屏蔽线 25mm ² shielded wire
2	W1PCPT2-35A	两芯过孔连接器 2 pins pass-through connector	35mm ² 屏蔽线 35mm ² shielded wire
3	W1PCPT2-50A	两芯过孔连接器 2 pins pass-through connector	50mm ² 屏蔽线 50mm ² shielded wire
4	W1PCPT2-70A	两芯过孔连接器 2 pins pass-through connector	70mm ² 屏蔽线 70mm ² shielded wire
5	W1PCPT3-25A	三芯过孔连接器 3 pins pass-through connector	25mm ² 屏蔽线 25mm ² shielded wire
6	W1PCPT3-35A	三芯过孔连接器 3 pins pass-through connector	35mm ² 屏蔽线 35mm ² shielded wire
7	W1PCPT3-50A	三芯过孔连接器 3 pins pass-through connector	50mm ² 屏蔽线 50mm ² shielded wire
8	W1PCPT3-70A	三芯过孔连接器 3 pins pass-through connector	70mm ² 屏蔽线 70mm ² shielded wire

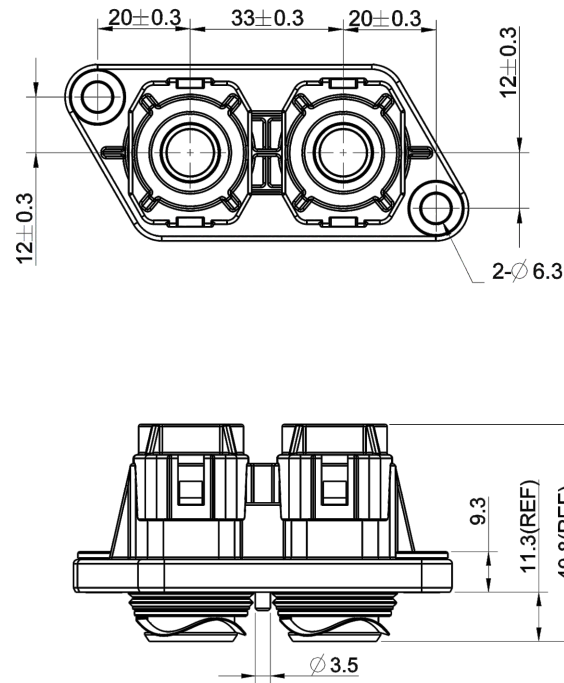
性能参数
Performance Data

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	尼龙 (Nylon)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	120A (适配电缆Fit for: 25mm ²)	环境温度 Temperature Range	-40°C~+125°C	阻燃等级 Flammability Rating	UL94 V-0
	150A (适配电缆Fit for: 35mm ²)	连接器芯数 Cores	2-cores/ 3-cores	屏蔽环 Shielding Ring	铝合金 (Aluminum alloy)
	200A (适配电缆Fit for: 50mm ²)	配线规格 Wire Size	25~70mm ²		
绝缘电阻 Insulation Resistance	≥2000MΩ	电磁屏蔽 Electromagnetic Shielding	360°	密封体 Seals	硅橡胶 (Silicon rubber)
耐压 Withstand Voltage	3000V AC				

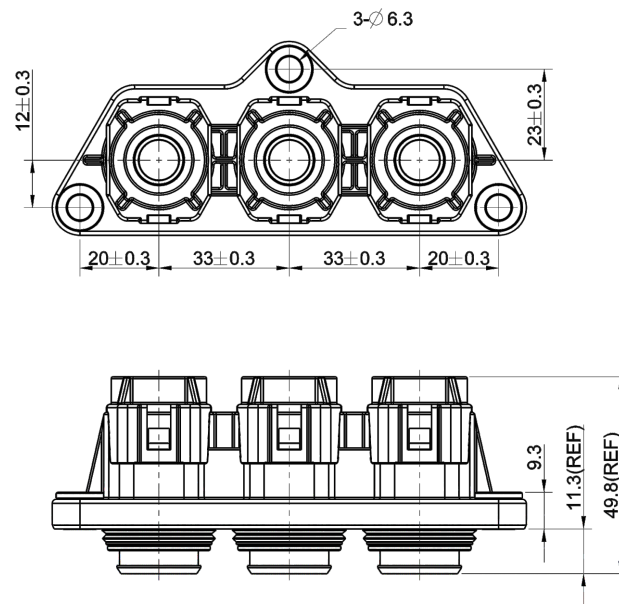
产品特点
Product features

安装简单,连接可靠,优越的经济性。
Easy assembly, reliable connection, and good economy.

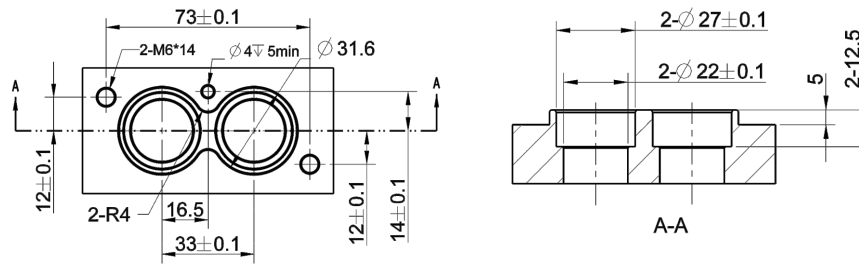
两芯外形图 2 pins connector dimension



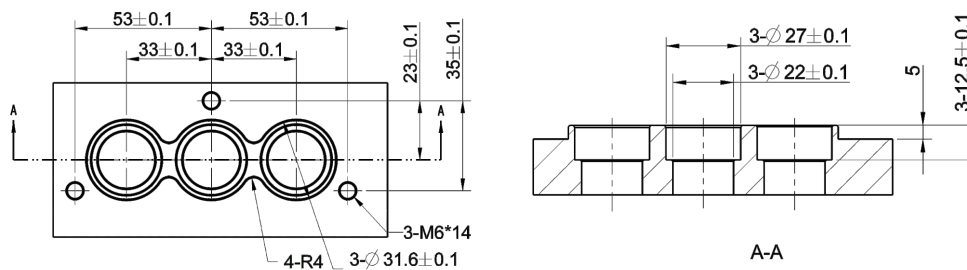
三芯外形图 3 pins connector dimension



两芯推荐开孔尺寸 Recommended hole dimension for 2 pins connector



三芯推荐开孔尺寸 Recommended hole dimension for 3 pins connector



选型说明
Model Description

产品系列 Series Offering

W1PCPT 2 — 35 A

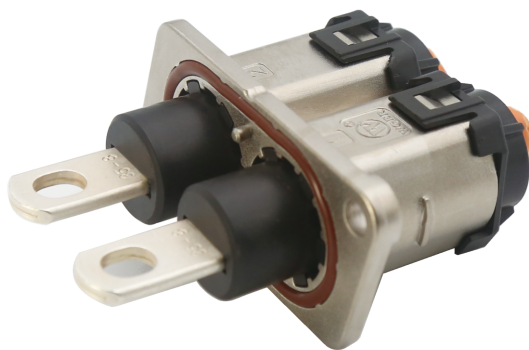
2-两芯 ;3-三芯。 2 cores; 3 cores

线规格 Wire Size: 25mm^2 , 35mm^2 , 50mm^2 , 70mm^2

螺接式过孔连接头系列

Spiral pass-through connector

W1MHD02系列180°两芯/三芯过孔连接器
W1MHD02 series 180° 2 pins/3 pins pass-through connector



W1MHD02系列180°两芯/三芯过孔连接器

W1MHD02 series 180° 2 pins/3 pins pass-through connector

产品广泛适用于电动汽车驱动电机、发电机、电动机、电机控制器、逆变器、PDU等大电流连接设备终端。

The products are widely used in electric motor generator, generator, motor controllers, power inverters, PDU and other large current connector applications.

产品选型 Product List

序号 NO.	订货型号 Part Number	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1MHD02-2-16	两芯过孔连接器-M8 2-pin pass-through connector-M8	16mm ² 屏蔽线 16mm ² shielded wire
2	W1MHD02-2-25	两芯过孔连接器-M8 2-pin pass-through connector-M8	25mm ² 屏蔽线 25mm ² shielded wire
3	W1MHD02-2-35	两芯过孔连接器-M8 2-pin pass-through connector-M8	35mm ² 屏蔽线 35mm ² shielded wire
4	W1MHD02-2-50	两芯过孔连接器-M8 2-pin pass-through connector-M8	50mm ² 屏蔽线 50mm ² shielded wire
5	W1MHD02-3-16	三芯过孔连接器-M8 3-pin pass-through connector-M8	16mm ² 屏蔽线 16mm ² shielded wire
6	W1MHD02-3-25	三芯过孔连接器-M8 3-pin pass-through connector-M8	25mm ² 屏蔽线 25mm ² shielded wire
7	W1MHD02-3-35	三芯过孔连接器-M8 3-pin pass-through connector-M8	35mm ² 屏蔽线 35mm ² shielded wire
8	W1MHD02-3-50	三芯过孔连接器-M8 3-pin pass-through connector-M8	50mm ² 屏蔽线 50mm ² shielded wire

序号 NO.	订货型号 Part Number	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1MHD02-2-16-B	两芯过孔连接器 (B TYPE) -M6 2-pin pass-through connector (B TYPE) -M6	16mm ² 屏蔽线 16mm ² shielded wire
2	W1MHD02-2-25-B	两芯过孔连接器 (B TYPE) -M6 2-pin pass-through connector (B TYPE) -M6	25mm ² 屏蔽线 25mm ² shielded wire
3	W1MHD02-2-35-B	两芯过孔连接器 (B TYPE) -M6 2-pin pass-through connector (B TYPE) -M6	35mm ² 屏蔽线 35mm ² shielded wire
4	W1MHD02-2-50-B	两芯过孔连接器 (B TYPE) -M6 2-pin pass-through connector (B TYPE) -M6	50mm ² 屏蔽线 50mm ² shielded wire
5	W1MHD02-3-16-B	三芯过孔连接器 (B TYPE) -M6 3-pin pass-through connector (B TYPE) -M6	16mm ² 屏蔽线 16mm ² shielded wire
6	W1MHD02-3-25-B	三芯过孔连接器 (B TYPE) -M6 3-pin pass-through connector (B TYPE) -M6	25mm ² 屏蔽线 25mm ² shielded wire
7	W1MHD02-3-35-B	三芯过孔连接器 (B TYPE) -M6 3-pin pass-through connector (B TYPE) -M6	35mm ² 屏蔽线 35mm ² shielded wire
8	W1MHD02-3-50-B	三芯过孔连接器 (B TYPE) -M6 3-pin pass-through connector (B TYPE) -M6	50mm ² 屏蔽线 50mm ² shielded wire

性能参数 Performance Parameters

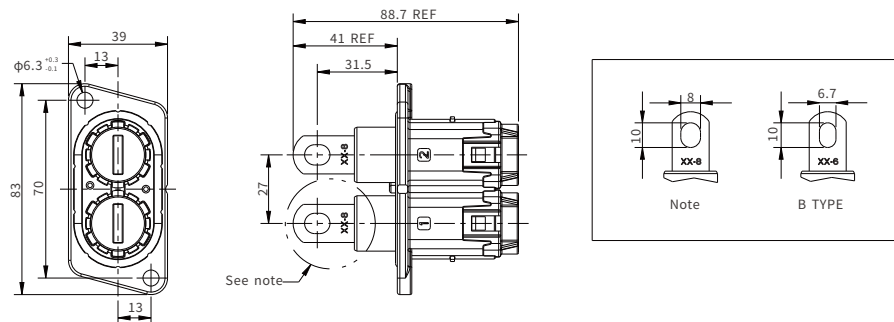
电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	1000V DC	防护等级 Protection	IP67	壳体材料 Shell Material	铝合金 (Aluminum alloy)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	80A (适配电缆Fit for:16mm ²)	环境温度 Temperature Range	-40°C~+125°C	表面处理 Plating	镀镍 (Nickel-plated)
	120A (适配电缆Fit for:25mm ²)	连接器芯数 Cores	2-core/ 3-core	绝缘体材料 Insulation Inserts	PA66
	150A (适配电缆Fit for:35mm ²)	配线规格 Wire Size	16~50mm ² 屏蔽电缆 (16~50mm ² shielded wire)	阻燃等级 Flammability Rating	UL94 V-0
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	电磁屏蔽 Electromagnetic Shielding	360°	密封体 Seals	硅橡胶 (Silicon rubber)
耐压 Withstand Voltage	3000V AC				

结构特点 Structural Features

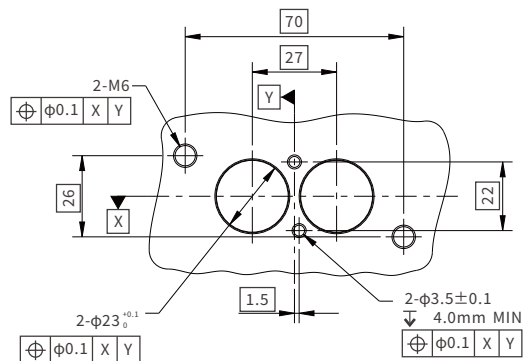
- 产品为一款高压连接器,体积小、结构紧凑,实现 360°屏蔽功能;
1.The product is a kind of high voltage connector with small size and compact constructions, which has 360° shielding.
- 采用金属外壳设计,具有防震、抗压、易于安装、可靠、美观等特性。
2.It adopts metal shell, which is vibration resistant, pressure-proof, easy to install, reliable and aesthetic.

外形尺寸
 External Dimension

两芯外形图 2 pins connector dimension

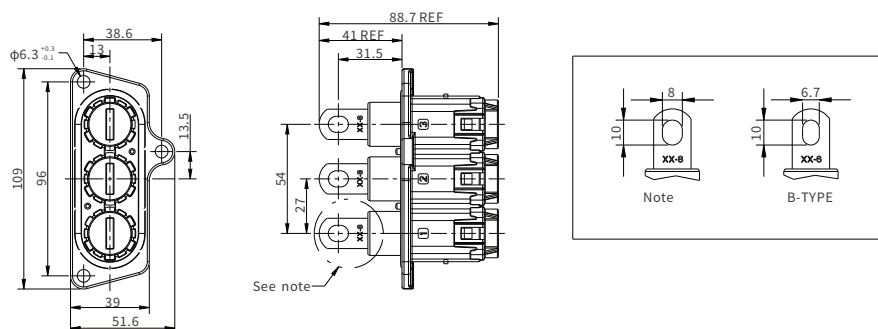


推荐安装开孔尺寸 Suggested install trepanning size

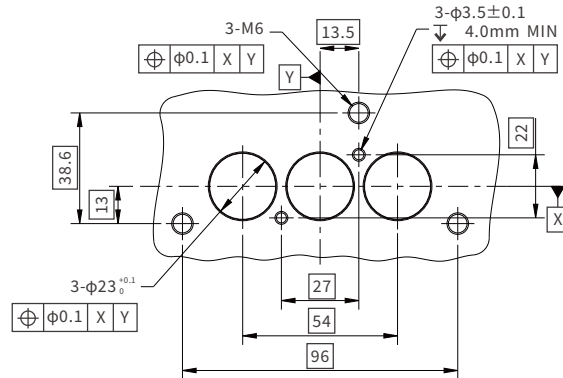


安装面板建议开孔尺寸
 建议面板厚度:2mm~6mm
 Recommended trepanning dimension for panel
 Recommended panel thickness:2mm~6mm

三芯外形图 3 pins connector dimension



推荐安装开孔尺寸 Suggested install trepanning size



安装面板建议开孔尺寸
建议面板厚度: 2mm~6mm
Recommended trepanning dimension for panel
Recommended panel thickness: 2mm~6mm

选型说明
Model Description

产品系列 Series Offering W1MHD02 2 16 X

芯数: 2-两芯 3-三芯 Cores: 2 pins 3 pins

线规格: 16-适配16平方线缆 25-适配25平方线缆 35-适配35平方线缆 50-适配50平方线缆
Wire Size: 16-fit for 16mm² wire 25-fit for 25mm² wire 35-fit for 35mm² wire 50-fit for 50mm² wire

客户定制铜鼻子流水号: A、B、.....
Customized copper nose serial number: A、B...

手动维修保护开关连接器系列

Manual maintenance protection switch series

W1PMSD手动维修保护开关
W1PMSD manual maintenance protection switch



W1PMSD手动维修保护开关
W1PMSD manual maintenance protection switch

本产品是一款用于电动车高压箱或电池箱类的带有高压互锁功能的手动维修保护开关,主要用于保护控制电动汽车内部主电路回路,防止电流过大,同时在紧急情况下断开主回路电流。

This product is a kind of manual maintenance protection switch used in high voltage box or battery box of electric vehicle. It mainly is used to protect internal main circuit loop, in case of large current, meanwhile, cut off circuit loop in emergency.

产品选型
Product Type

产品型号明细 Product List

Table with 5 columns: 序号 NO., 订货型号 Part Number, 产品描述 Product Description, 安装方式 Installation Method, 熔断器规格/额定电流 Fuse Protector Size/ Rated Current. It lists five different MSD plug and socket configurations with their respective part numbers and installation methods.

说明:由于MSD维修开关是一个相对密闭的空间,对熔断器散热有影响,根据Bussmann厂家推荐,建议按其额定电流的百分之三十至百分之四十使用。

Remark: Since MSD maintenance switch' space is relatively confined, which has an effect on heat dissipation, it is recommended to use this product at 30% to 40% of its rated current, according to Bussmann.

性能参数
Property Data

Table with 3 main columns: 电气特性Electrical Characteristic, 其他参数Other Parameters, 材料及表面处理Material and Plating. It details electrical ratings (690V AC, 3000V AC), environmental parameters (IP67, -40°C~+125°C), and material specifications (copper bar, copper alloy, PA66, silicon rubber).

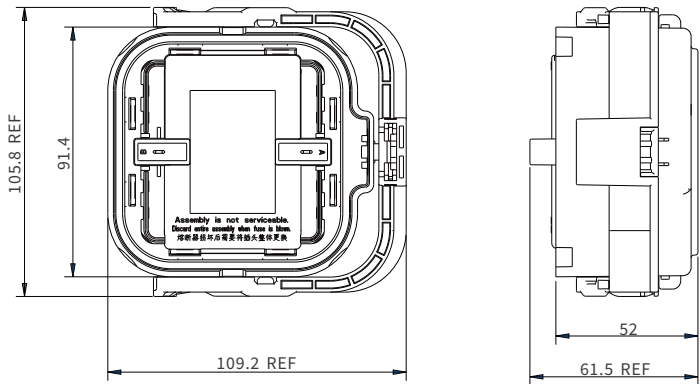
结构特点
Structural Features

采用独特的铜排散热结构,可以有效提高熔断器使用寿命。两级解锁打开方式,提供了足够的系统响应时间。熔断器最高电流630A。插座法兰盘有前、后两种安装方式可选。

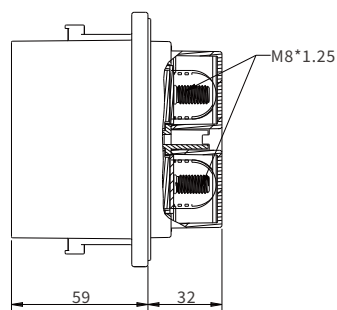
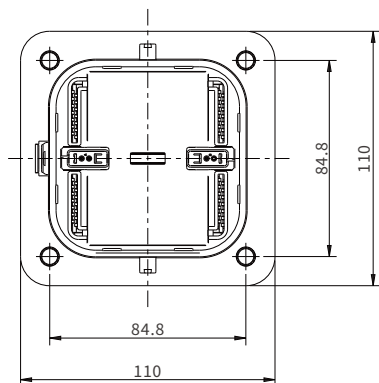
This product adopts special heat dissipation structure of copper bar, which improves the duration of the fuse effectively. Two-level lock opening method provides enough time to respond. Maximum current can be 630A. Flange wall mounting receptacle has two options, front mounting and rear mounting.

外形尺寸
External Dimension

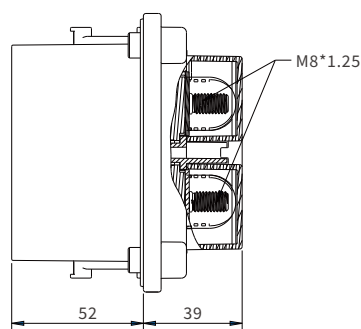
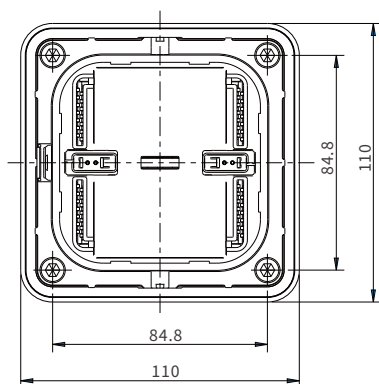
MSD插头外形图 MSD Plug Dimension



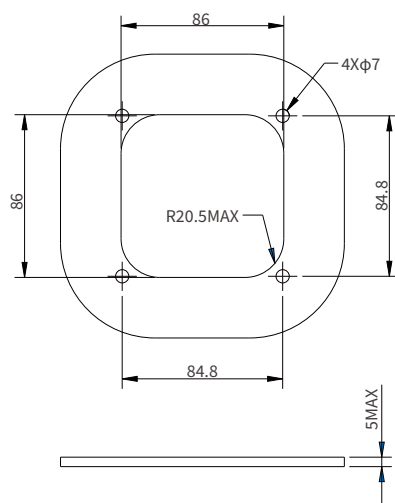
MSD前安装插座外形图 MSD front installation socket dimension



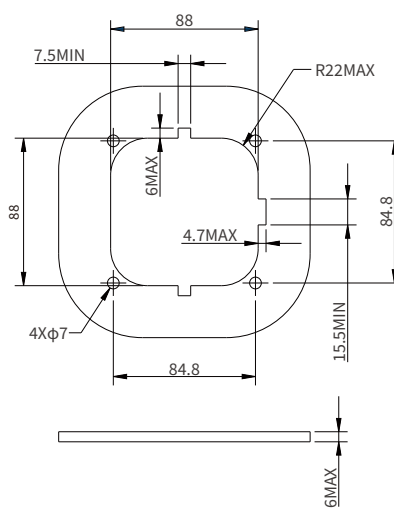
MSD后安装插座外形图 MSD Rear installation socket dimension



推荐安装开孔尺寸 Recommended install trepanning dimension



前安装
Front installation



后安装 Rear installation

选型说明

Model description

产品系列 Series Offering	W1PMSD	T	X	F
MSD类型T-插头 Z-插座 MSD Type:T-plug Z-socket				
熔断器的额定电流（A）： Rated Current for fuse(A) ； X: F500(500A), F630(630A), N(无需熔断器使用铜排代替，插座用N) X:F500(500A), F630(630A), N(There is no fuse, it's copper bar. Receptacle also uses N)				
法兰盘安装方式（仅适用于插座） Flange wall installation method(only suit for socket) F:前安装 F: front installation R:后安装 R:rear installation				

手动维修保护开关连接器系列

Manual maintenance protection switch series

W1PMSD800手动维修保护开关 W1PMSD800 manual maintenance protection switch



W1PMSD800手动维修保护开关
W1PMSD800 manual maintenance protection switch

主要应用在电动汽车电池、高压配电箱等设备上。
It mainly applies to electric vehicles battery and high voltage switch box.

产品选型
Model Description

产品型号明细 Product List

Table with 5 columns: 序号 NO., 订货型号 Part Number, 产品描述 Product Description, 尾部孔规格 Tail hole specification, 熔断器规格/额定电流 Fuse protector size/ Rated current. It lists four models: W1PMSD800TF500, W1PMSD800TF630, W1PMSD800ZNF, and W1PMSD800ZNR.

注：“*”号代替不同品牌、规格的熔断器。Mark: “*” Represents different brands or size fuse protectors.
说明:由于MSD维修开关是一个相对密闭的空间,对熔断器散热有影响,根据Bussmann厂家推荐,建议按其额定电流的百分之三十至百分之四十使用。
Remark: Since MSD maintenance switch' space is relatively confined, which has an effect on heat dissipation, it is recommended to use this product at 30% to 40% of its rated current, according to Bussmann.

性能参数
Performance Parameters

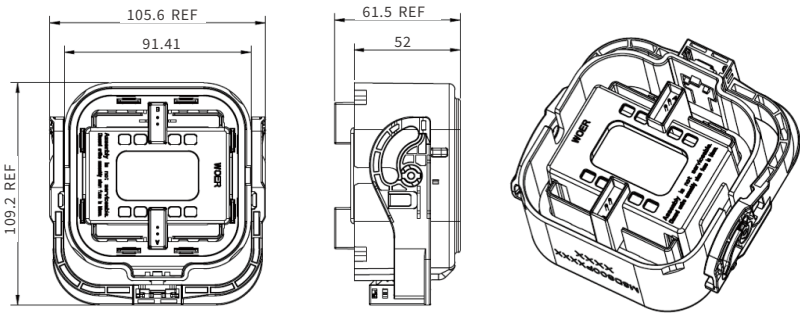
Table with 3 main sections: 电气特性Electrical Characteristic, 其他参数Other Parameters, and 材料及表面处理Material and Plating. It details ratings like 800V DC, IP67, and 2500V AC, as well as material specifications like PA66 and UL94 V-0.

产品特点
Product Characteristic

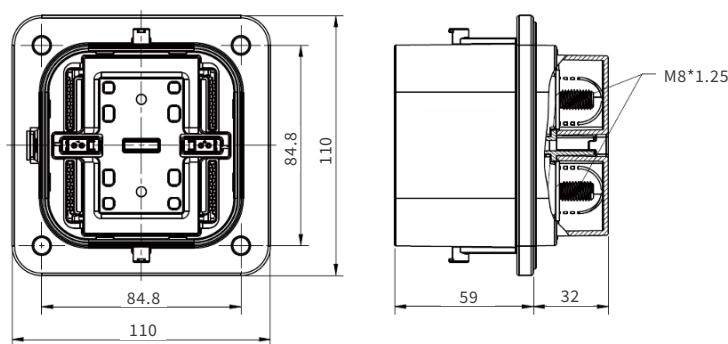
采用独特的铜排散热结构,可以有效提高熔断器使用寿命。两级解锁打开方式,提供了足够的系统响应时间。熔断器最高电流630A。插座法兰盘有前、后两种安装方式可选。
It adopts special heat dissipation of copper bar, which can improve fuse's duration. Two poles unlock opening method provides enough time to respond. Maximum current of fuse protector is 630A. Flange wall mounting socket has two options, front mounting and rear mounting.

外形尺寸
External Dimension

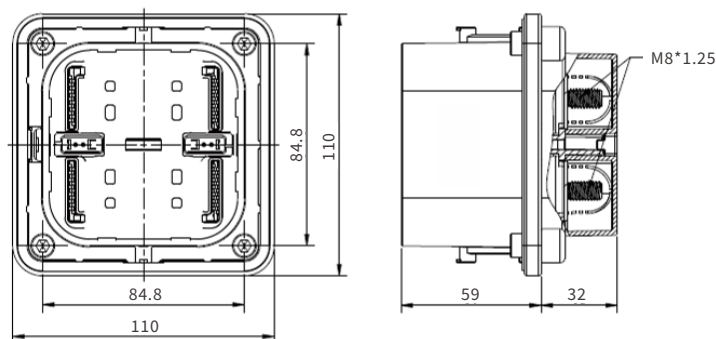
W1PMSD800插头外形图 W1PMSD800 Plug Dimension



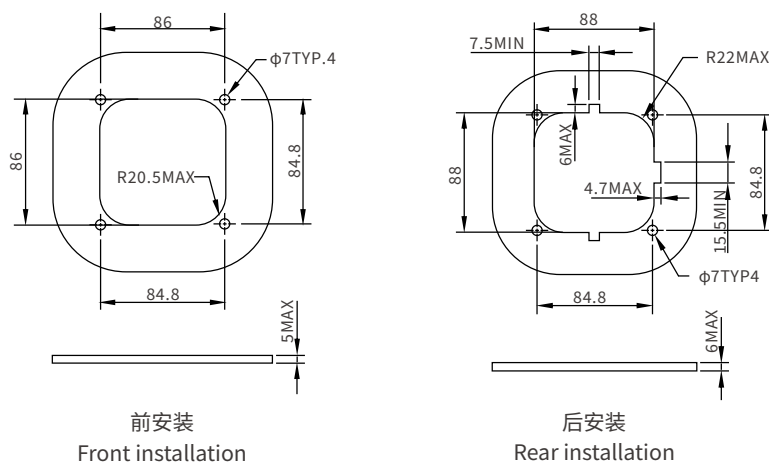
W1PMSD800前安装插座外形图 W1PMSD800 front-installed socket dimension



W1PMSD800后安装插座外形图 W1PMSD800 rear-installed socket dimension



推荐安装开孔尺寸 Recommended install trepanning size

选型说明
Model Description

产品系列 Series Offering

W1PMSD800

T

X

F

MSD类型:T代表插头 Z代表插座 MSD Type:T-plug Z-socket

熔断器的额定电流 (A) : Rated Current for fuse(A) ;
X: F500(500A), F630(630A), N(无需熔断器使用铜排代替, 插座用N)

X: F500(500A), F630(630A), N(There is no fuse, it's copper bar. Receptacle also uses N)

法兰盘安装方式(仅适用于插座, 插头空缺), 其中:F代表前安装、R代表后安装

Flange wall mounting method (only for plug, non-socket), F refers to front mounting, R refers to rear mounting

手动维修保护开关连接器系列

Manual maintenance protection switch series

W1PMINI MSD手动维修保护开关
W1PMINI MSD manual maintenance protection switch



W1PMINI MSD手动维修保护开关

MPMINI MSD manual maintenance protection switch

本产品是一款用于电动车高压箱或电池箱类的带有高压互锁功能的迷你型手动维修保护开关,主要用于保护控制电动汽车内部主电路回路,防止电流过大,同时在紧急情况下断开主回路电流。

This product is a kind of mini manual maintenance protection switch used in high voltage box or battery box of electric vehicle. It is mainly used to protect internal main circuit loop, in case large current, meanwhile, cut off circuit loop in emergency.

产品选型
Product Type

产品型号明细 Product Type

序号 NO.	订货型号 Type Number	产品描述 Product Description	尾部孔规格 Tail hole specification	熔断器规格/额定电流 Fuse Protector Size/ Rated Current
1	W1PMINIMSDTF350	Mini MSD 350A插头 MPMini MSD 350A plug	350A熔断器 350A fuse protector	350A
2	W1PMINIMSDTF400	Mini MSD 400A插头 Mini MSD 400A plug	400A熔断器 400A fuse protector	400A
3	W1PMINIMSDTN	Mini MSD带铜排插头 Mini MSD plug with copper bar	铜排 Copper bar	250A
4	W1PMINIMSDZNF	Mini MSD前安装插座 Mini MSD front mounting socket	面板前安装 Front panel mounting	250A
5	W1PMINIMSDZNR	Mini MSD后安装插座 Mini MSD rear mounting socket	面板后安装 Rear panel mounting	250A

说明:由于Mini MSD维修开关是一个相对密闭的空间,对熔断器散热有影响,根据Bussmann厂家推荐,建议按其额定电流的百分之三十至百分之四十使用。

Remark: Since Mini MSD maintenance switch' space is relatively confined, which has an effect on heat dissipation, it is recommended to use this product at 30% to 40% of its rated current, according to Bussmann.

性能参数
Performance Parameters

电气特性Electrical Characteristic		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	如上表 (Vide supra)	防护等级 Protection	IP67	壳外壳及绝缘体 Insulation insert	PA66
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	如上表 (Vide supra)	环境温度 Temperature Range	-40°C~+85°C	阻燃等级 Flammability Rate	UL94 V-0
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	机械寿命 Minimum Mating Cycles	≥50次(Times)	铜排及母端子 Copper bar and socket contact	紫铜 (Copper) 铜合金 (copper alloy) 镀银 (silver-plated)
耐压 Withstand Voltage	3000V AC	熔断规格 Fuse Protector Type	熔断器有350A、400A两种规格可选 (There are two options 350A and 400A for fuse protectors.)	密封体 Seals	硅橡胶 (Silicon rubber)

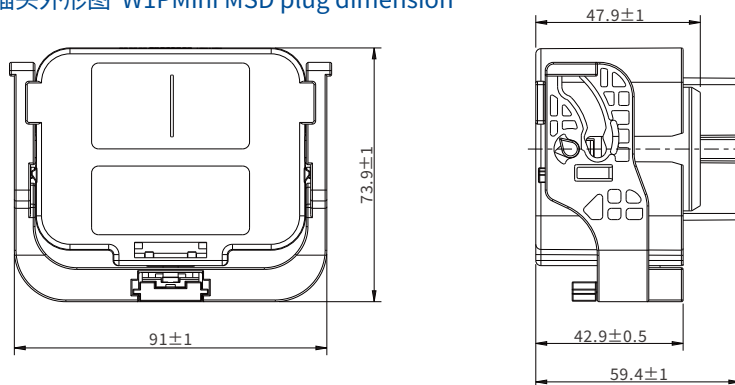
结构特点
Structural Features

采用独特的铜排散热结构,可以有效提高熔断器使用寿命。两级解锁打开方式,提供了足够的系统响应时间。熔断器最高电流400A。插座法兰盘有前、后两种安装方式可选。

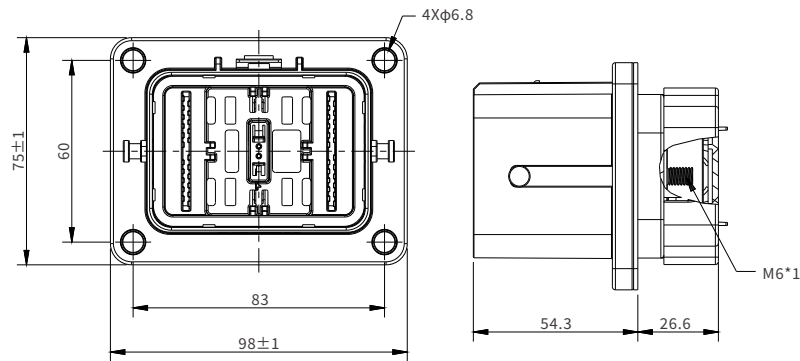
It adopts special heat dissipation of copper bar, which can improve fuse's duration. Two-poles unlock opening method provides enough time to respond. Maximum current of fuse protector is 400A. Flange wall mounting socket has two options, front mounting and rear mounting.

外形尺寸
External Dimension

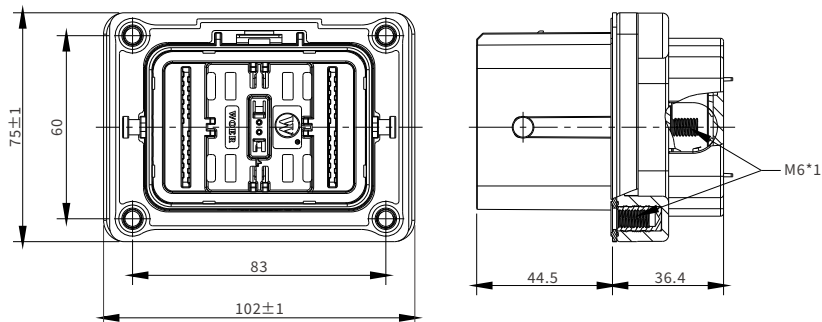
W1PMini MSD插头外形图 W1PMini MSD plug dimension



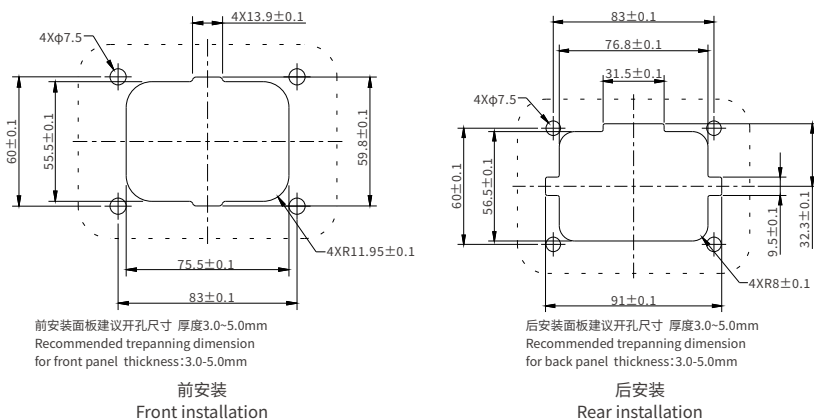
W1PMini MSD插座前安装外形图 W1PMini MSD socket front installation outside view



W1PMini MSD插座后安装外形图 W1PMini MSD socket rear installation outside view



推荐安装开孔尺寸 Recommended install trepanning size



选型说明
Model Description

产品系列 Product series

W1PMiniMSD

T

X

F

MSD类型:T代表插头 Z代表插座 MSD Type:T-plug Z-socket

熔断器的额定电流 (A) : Rated Current for fuse(A) ;

X: F500(500A), F630(630A), N(无需熔断器使用铜排代替, 插座用N)

X: F500(500A), F630(630A), N(There is no fuse, it's copper bar. Receptacle also uses N)

法兰盘安装方式 (仅适用于插座) F:前安装 R:后安装

Flange wall mounting installation(for socket) F:Front installation R:Rear installation

W1PXC01系列叉车连接器

W1PXC01 Series Forklift Connector

W1PXC01系列叉车连接器
W1PXC01 Series Forklift Connector



W1PXC01系列叉车连接器
W1PXC01 Series Forklift Connector

主要应用在叉车等设备上。
It mainly applies to forklift.

产品选型
Product Type

1.1插孔型号 Contact type

序号 NO.	产品型号 Type	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1PXC01KS50-X	带手柄/插孔/XPCS信号端子/不带温控探头 With handle/Contact/XPCS signal terminal/Without temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
2	W1PXC01KS70-X	带手柄/插孔/XPCS信号端子/不带温控探头 With handle/Contact/XPCS signal terminal/Without temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
3	W1PXC01KS95-X	带手柄/插孔/XPCS信号端子/不带温控探头 With handle/Contact/XPCS signal terminal/Without temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
4	W1PXC01KS50W-X	带手柄/插孔/XPCS信号端子/带温控探头 With handle/Contact/XPCS signal terminal/With temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
5	W1PXC01KS70W-X	带手柄/插孔/XPCS信号端子/带温控探头 With handle/Contact/XPCS signal terminal/With temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
6	W1PXC01KS95W-X	带手柄/插孔/XPCS信号端子/带温控探头 With handle/Contact/XPCS signal terminal/With temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
7	W1PXC01K50-X	不带手柄/插孔/XPCS信号端子/带温控探头 Without handle/Contact/XPCS signal terminal/With temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
8	W1PXC01K70-X	不带手柄/插孔/XPCS信号端子/不带温控探头 Without handle/Contact/XPCS signal terminal/Without temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
9	W1PXC01K95-X	不带手柄/插孔/XPCS信号端子/不带温控探头 Without handle/Contact/XPCS signal terminal/Without temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
10	W1PXC01K50W-X	不带手柄/插孔/XPCS信号端子/带温控探头 Without handle/Contact/XPCS signal terminal/With temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
11	W1PXC01K70W-X	不带手柄/插孔/XPCS信号端子/带温控探头 Without handle/Contact/XPCS signal terminal/With temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
12	W1PXC01K95W-X	不带手柄/插孔/XPCS信号端子/带温控探头 Without handle/Contact/XPCS signal terminal/With temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire

1.2插针型号 Pin Type

序号 NO.	产品型号 Type	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1PXC01ZS50-X	带手柄/插针/XPCS信号端子/不带温控探头 With handle/Pin /XPCS signal terminal/Without temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
2	W1PXC01ZS70-X	带手柄/插针/XPCS信号端子/不带温控探头 With handle/Pin /XPCS signal terminal/Without temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
3	W1PXC01ZS95-X	带手柄/插针/XPCS信号端子/不带温控探头 With handle/Pin /XPCS signal terminal/Without temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
4	W1PXC01ZS50W-X	带手柄/插针/XPCS信号端子/带温控探头 With handle/Pin /XPCS signal terminal/With temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
5	W1PXC01ZS70W-X	带手柄/插针/XPCS信号端子/带温控探头 With handle/Pin /XPCS signal terminal/With temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
6	W1PXC01ZS95W-X	带手柄/插针/XPCS信号端子/带温控探头 With handle/Pin /XPCS signal terminal/With temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
7	W1PXC01Z50-X	不带手柄/插针/XPCS信号端子/不带温控探头 Without handle/Pin /XPCS signal terminal/Without temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
8	W1PXC01Z70-X	不带手柄/插针/XPCS信号端子/不带温控探头 Without handle/Pin /XPCS signal terminal/Without temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
9	W1PXC01Z95-X	不带手柄/插针/XPCS信号端子/不带温控探头 Without handle/Pin /XPCS signal terminal/Without temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire
10	W1PXC01Z50W-X	不带手柄/插针/XPCS信号端子/带温控探头 Without handle/Pin /XPCS signal terminal/With temperature-controlled probe	50 mm ² 非屏蔽线 50 mm ² unshielded wire
11	W1PXC01Z70W-X	不带手柄/插针/XPCS信号端子/带温控探头 Without handle/Pin /XPCS signal terminal/With temperature-controlled probe	70 mm ² 非屏蔽线 70 mm ² unshielded wire
12	W1PXC01Z95W-X	不带手柄/插针/XPCS信号端子/带温控探头 Without handle/Pin /XPCS signal terminal/With temperature-controlled probe	95 mm ² 非屏蔽线 95 mm ² unshielded wire

注: "-X"代表信号针数量1、2、3、4
Remark: "-X" represents the number of signal pins 1, 2, 3, 4.

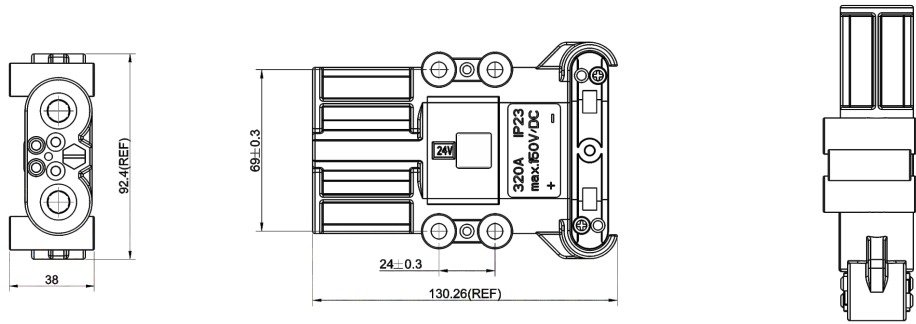
性能参数
Performance Parameters

电气参数Electrical Parameters		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	150V DC	防护等级 Protection	IP23	壳体及绝缘体 Shell and Insulation Material	PC
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	200A(适配50mm ² 电缆)	环境温度 Temperature Range	-40°C~+125°C	阻燃等级 Flammability Rating	UL94 V-0
	200A(Fit for 50mm ²)	连接器芯数 Cores	2+4芯(cores)	插针及插孔 Pin and Contact	插针:铜合金镀银 (Pin: Copper Alloy Silver-plated) 插孔:铜合金镀银 (Contact: Copper Alloy Silver-plated)
	250A(适配70 mm ² 电缆)	配线规格 Wire Size	50~95 mm ²		
绝缘电阻 Insulation Resistance	≥2000MΩ 常态 (Normalcy)	机械寿命 Fuse Protector Type	≥50次 (Times)	箍圈 Hoop	65Mn
		盐雾等级 Fuse Protector Type	中性盐雾48H (Neutral Salt Spray 48H)	防尘罩 Dust Cover	主体PVC+钢丝绳 (Main body PVC + wire rope)
耐压 Withstand Voltage	2000V AC 海平面(Horizontal plane)				

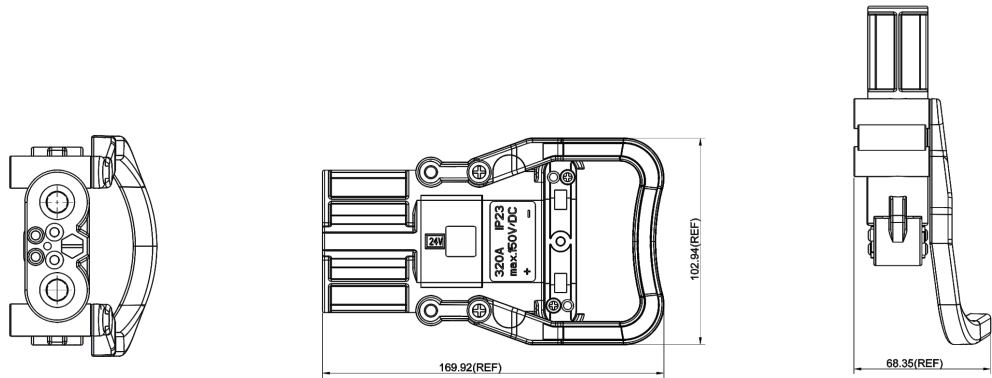
外形尺寸
External Dimension

3.外形图及安装开孔尺寸(未注公差:±0.5)
3.Dimension and install trepanning size (Unmarked tolerance: ±0.5)

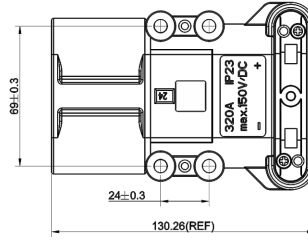
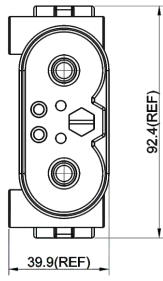
插孔产品外形图 Contact Dimension



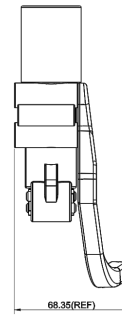
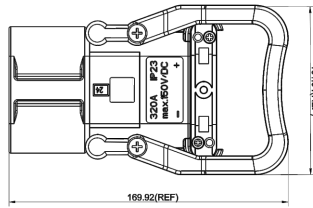
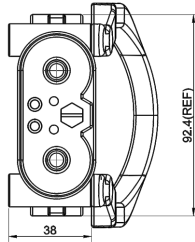
插孔产品带手柄外形图 Contact with Handle Dimension



插针产品外形图 Pin Dimension



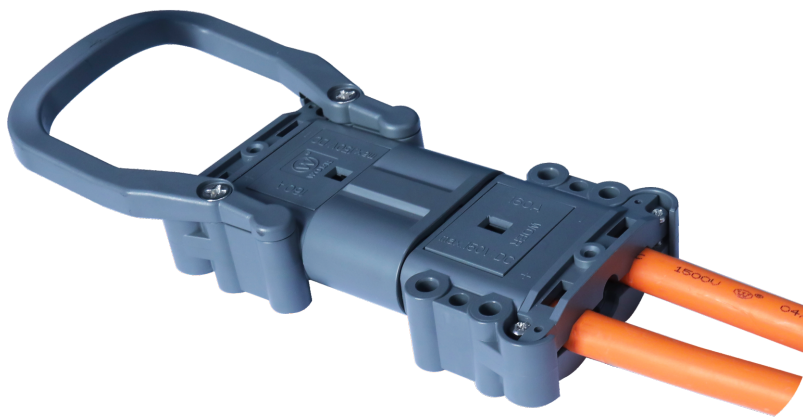
插针产品带手柄外形图 Pin with Handle Dimension



W1PXC02系列叉车连接器

W1PXC02 Series Forklift Connector

W1PXC02系列叉车连接器
W1PXC02 Series Forklift Connector



W1PXC02系列叉车连接器 W1PXC02 Series Forklift Connector

主要应用在叉车等设备上。
It mainly applies to forklift.

产品选型 Model Description

1.1插孔型号 Contact type

序号 NO.	产品型号 Type	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1PXC02K16-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	16 mm ² 非屏蔽线 16 mm ² unshielded wire
2	W1PXC02K25-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	25 mm ² 非屏蔽线 25 mm ² unshielded wire
3	W1PXC02K35-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	35 mm ² 非屏蔽线 35 mm ² unshielded wire
4	W1PXC02K50-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	50 mm ² 非屏蔽线 50 mm ² unshielded wire
5	W1PXC02KS16-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	16 mm ² 非屏蔽线 16 mm ² unshielded wire
6	W1PXC02KS25-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	25 mm ² 非屏蔽线 25 mm ² unshielded wire
7	W1PXC02KS35-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	35 mm ² 非屏蔽线 35 mm ² unshielded wire
8	W1PXC02KS50-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	50 mm ² 非屏蔽线 50 mm ² unshielded wire

1.2插针型号 Pin Type

序号 NO.	产品型号 Type	产品描述 Product Description	适配线缆规格 Applicable wire Size
1	W1PXC02Z16-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	16 mm ² 非屏蔽线 16 mm ² unshielded wire
2	W1PXC02Z25-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	25 mm ² 非屏蔽线 25 mm ² unshielded wire
3	W1PXC02Z35-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	35 mm ² 非屏蔽线 35 mm ² unshielded wire
4	W1PXC02Z50-X	不带手柄/插孔/XPCS信号端子 Without handle/Contact/XPCS signal terminal	50 mm ² 非屏蔽线 50 mm ² unshielded wire
5	W1PXC02ZS16-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	16 mm ² 非屏蔽线 16 mm ² unshielded wire
6	W1PXC02ZS25-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	25 mm ² 非屏蔽线 25 mm ² unshielded wire
7	W1PXC02ZS35-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	35 mm ² 非屏蔽线 35 mm ² unshielded wire
8	W1PXC02ZS50-X	带手柄/插孔/XPCS信号端子 With handle/Contact/XPCS signal terminal	50 mm ² 非屏蔽线 50 mm ² unshielded wire

注:产品型号尾部"-X"代表含义

-2 代表 2PCS信号端子I

-2A 代表 2PCS信号端子II

-4 代表 4PCS信号针 (2PCS信号端子I+2PCS信号端子II)

Note: "-X" at the end of the product: -2 represents 2PCS Signal Terminal I, -2A represents 2PCS Signal Terminal II, -4 represents 4PCS Signal Terminal (2PCS Signal Terminal I+2PCS Signal Terminal II)

性能参数 Performance Parameters

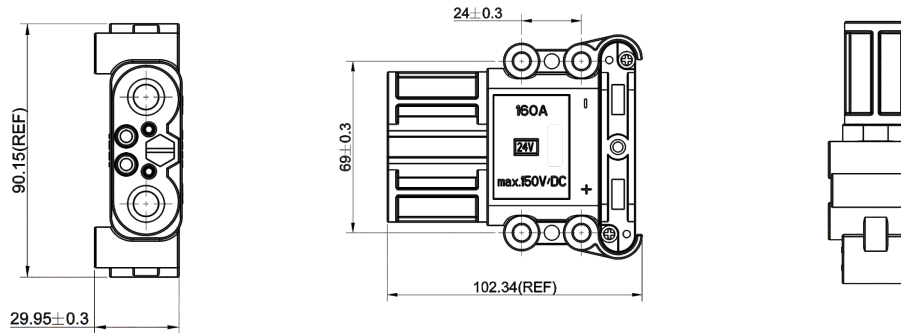
电气特性Electrical Parameters		其他参数Other Parameters		材料及表面处理Material and Plating	
额定电压 Rated Voltage	150V DC	防护等级 Protection	IP23	壳体及绝缘体 Shell and Insulation Material	PC,阻燃等级UL94V-0 (PC,Flammability Rating UL94V-0)
额定电流 (工作环境 温度30°C) Rated Current (Ambient temperature 30°C)	80A(适配16mm ² 电缆) 80A(Fit for 16mm ²) 100A(适配25 mm ² 电缆) 100A(Fit for 25 mm ²) 160A(适配35 mm ² 电缆) 160A(Fit for 35 mm ²) 200A(适配50 mm ² 电缆) 200A(Fit for 50 mm ²)	环境温度 Temperature Range	-40°C~+125°C	插针 Pin	铜合金镀银 (Copper Alloy Silver-plated)
		机械寿命 Duration	≥50次(Times)		
		配线规格 Wire Size	16~50 mm ² 电缆	插孔 Contact	铜合金镀银 (Copper Alloy Silver-plated)
		盐雾等级 Salt Spray Grade	中性盐雾48H (Neutral Salt Spray 48H)		
绝缘电阻 Insulation Resistance	≥2000MΩ(常态Normalcy)	连接器芯数 Cores	2+4芯(Cores)	箍圈 Hoop	65Mn
耐压 Withstand Voltage	2000V AC (海平面Horizontal plane)				

外形尺寸
External Dimension

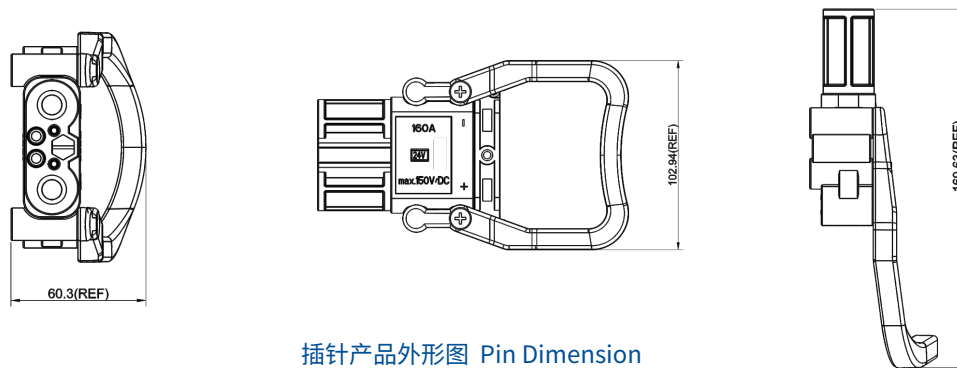
3.外形图及安装开孔尺寸(未注公差:±0.5)

3.Dimension and install trepanning size (Unmarked tolerance: ±0.5)

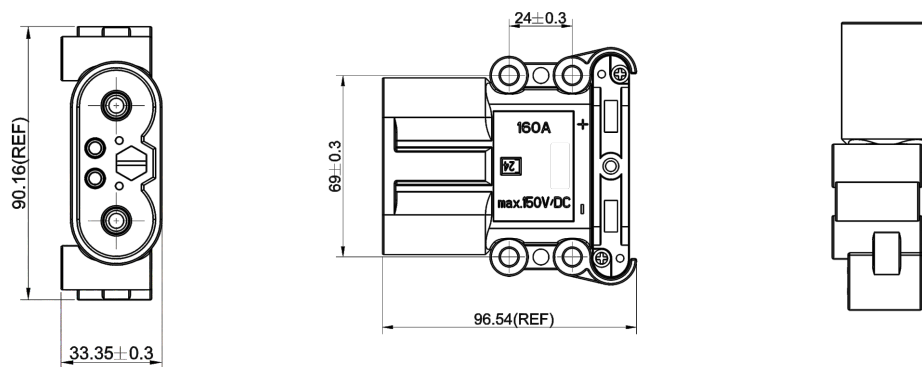
插孔产品外形图 Contact Dimension



插孔产品带手柄外形图 Contact with Handle Dimension



插针产品外形图 Pin Dimension



插针产品带手柄外形图 Pin with Handle Dimension

