www.ebusbar.net
4006-899-718
www.worldproducts.com
(707) 996-5201

Ebusbar®
巴斯巴

WORLD PRODUCTS INC.®

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CIRCULAR METAL BAYONET LOCK CONNECTOR

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Ebusbar established in 2010 with a registered capital of 53 million. It focus on the core components of EV, new energy research and development, production and sales of the national high-tech enterprises. Its products including laminate busbar, EV & PHEV charging connectors, high-voltage electric vehicle connection system, Charging equipment and operation solutions, EV battery Box Solutions, MCU and multi-in-one integrated solutions, HV relays, Depend on a strong R & D and experimental capabilities, advanced and highly efficient manufacturing capabilities. Ebusbar will have to continue to provide our customers professional and innovative solutions, fast and flexible service and high quality products.

1

Charging Connector

2

HV Connector

3

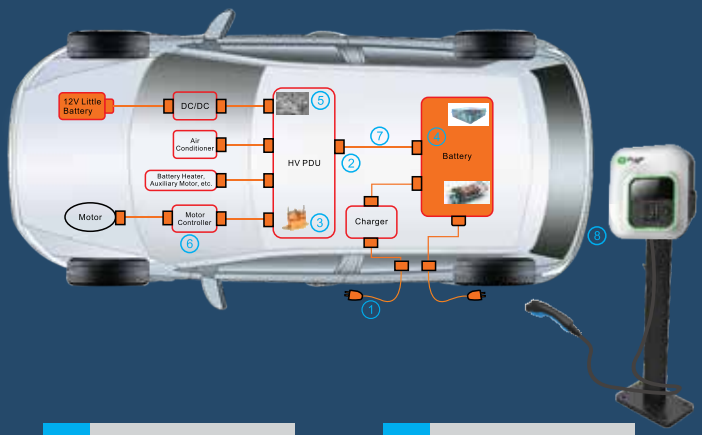
HV Relay

4

Power Battery Box

5

Flexibar



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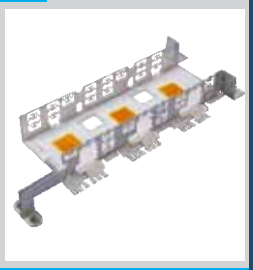

Laminated busbar

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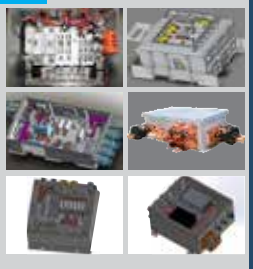
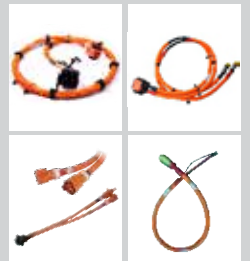


HV Power Distribution Products

8

Motor Driver and Integrated Products

9



Vehicle HV Wire Harness Products

10

Electric Vehicle Charging Products

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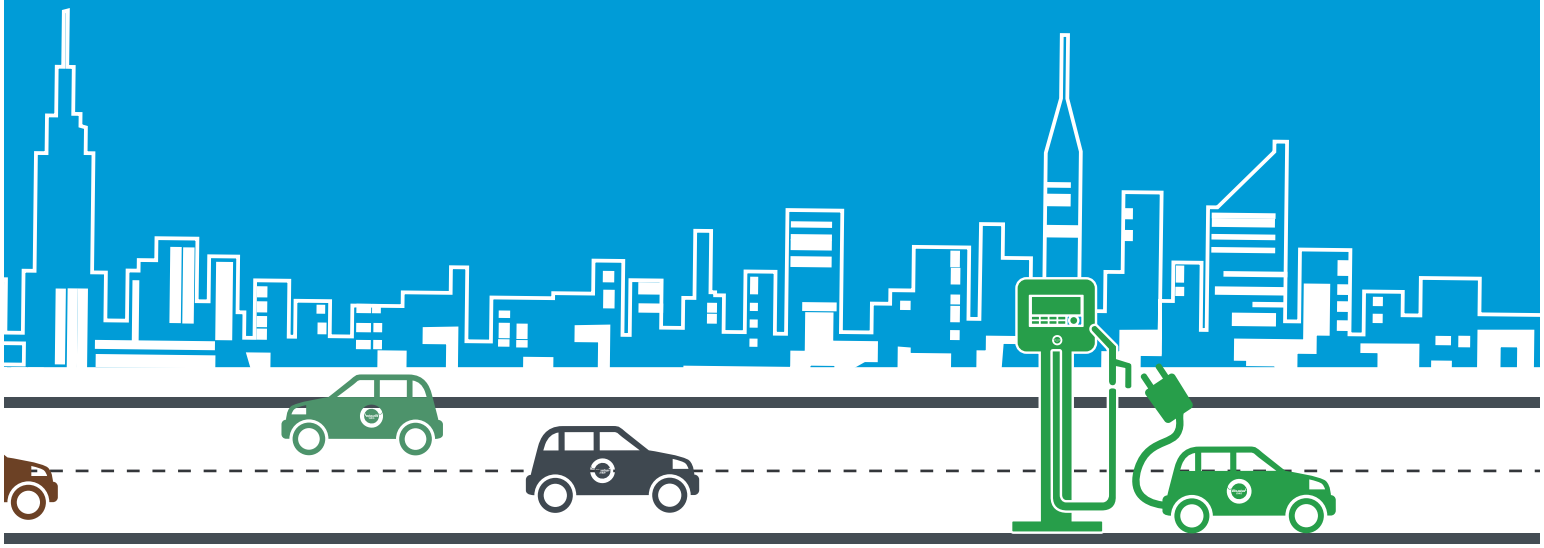

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12 ET0W14 18芯连接器 ET0W14, 18POS Connector
14 ET0W16 26芯连接器 ET0W16, 26POS Connector

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30 ET/ET0W端子订购信息
ET/ET0W Contact Order Information

Product Introduction

Shell 12 Series

1. 2 insert configurations
2. Offer standard insert arrangements of 12,16,20 contacts,offer mixed Power and signal arrangements too. to mett customer requirenments
3. Operating voltage of 300V
4. Current rating of 16A
5. Alternate keying positions available
6. Plastic inserts with flammability rating of UL94-V0

Shell 14 Series

1. 3 insert configurations
2. Offer standard insert arrangements of 12,16,20 contacts,offer mixed Power and signal arrangements too. to mett customer requirenments
3. Operating voltage of 300V
4. Current rating of 16A
5. Alternate keying positions available
6. Plastic inserts with flammability rating of UL94-V0

Shell 16 Series

1. 4 insert configurations
2. Offer standard insert arrangements of 12,16,20 contacts,offer mixed Power and signal arrangements too. to mett customer requirenments
3. Operating voltage of 300V, 500V
4. Current rating of 16A（signal contacts), 45A（power contacts)
5. Alternate keying positions available
6. Plastic inserts with flammability rating of UL94-V0

ET Series Features and Avantages

	ET 系列 ET Series
温度范围 Temperature Range	-40℃ to +125℃
防护等级 Protection	IP67
壳体 Housing Body	锌合金，压铸件 Zinc alloy, Die-cast
连接螺母 Coupling Nut	铝合金，镀镍 Alu.alloy，Nickel-plated
绝缘体 Insulation Inserts	热塑性材料 Thermosplastic， UL 94-V0
端子 Contacts	铜合金，镀金，镀银，镀锡
密封件 Seals	橡胶材料 Rubber
额定工作电流 Rating Current	35A/23A/16A/13A/5A
额定工作电压 Rating Voltage	150~300V / 500~700V
接触电阻 Contact Resistance	＜15mΩ / ＜6mΩ
测试电压 Test Voltage	1500V /2500V
机械寿命 Minimum Mating Cycles	寿命≥200次 No more than 200 cycles engagement and disengagement
盐雾等级 Salt Spray Resistance	48hour
屏蔽 Shielded	夹线式
绝缘电阻 Insulation Resistance	25℃时，≥100MΩ 100 megohms minimum at 25℃
震动测试 Vibration Resisitance	在三个相互垂直的平面内，以10~2000Hz、20G加速度的正旋震动后，没有锁扣松脱，没有机械或物理的损坏，没有大于1微秒的断电现象 No unlocking or unmating and exhibits no mechanical or phsical damage after sinusoidal cibration lecels of 20G at 10 to 2000Hz in each of the three mutually perpendicular planes. No electrical discountinuities longer than 1 microsecond
热冲击测试 Thermal Shock	从-40℃到+125℃实验20个循环后，没有裂痕，碎屑等表面缺陷 No cracking.chipping or leakong after 20 test cycles from -40℃ to+125℃
RoHS Compiant	Yes

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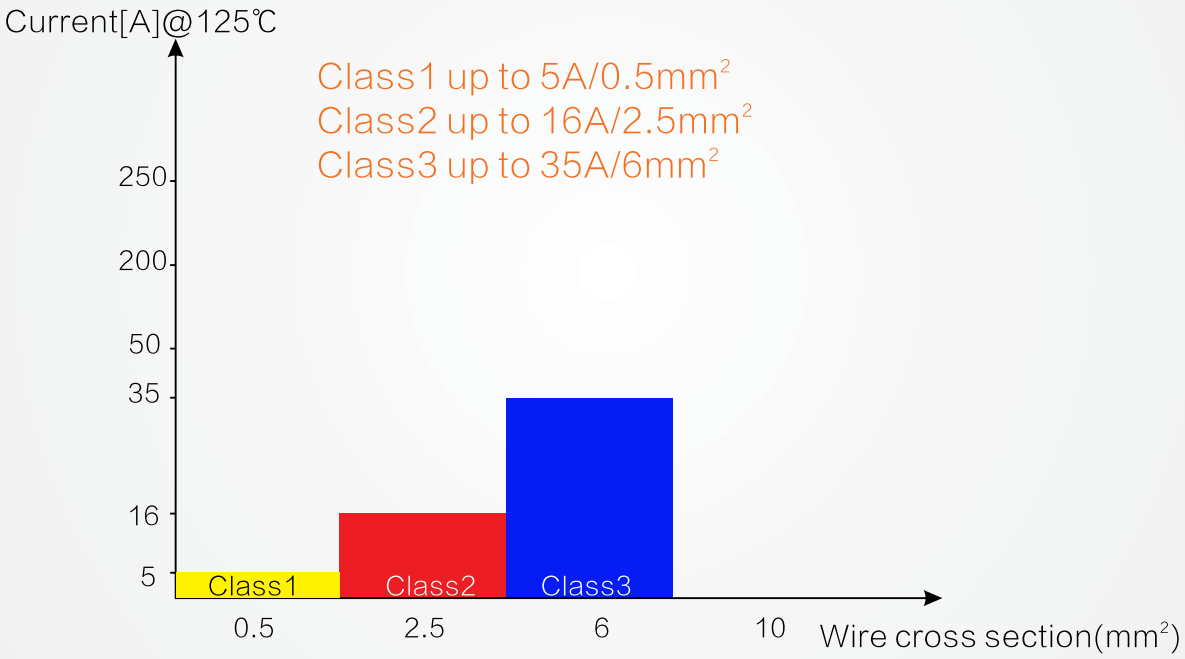
Circular Metal Bayonet Lock Connector



Class1	Class2	Class3

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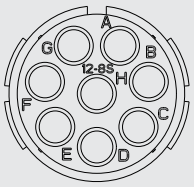
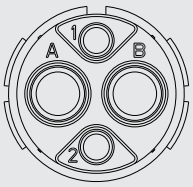
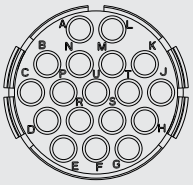
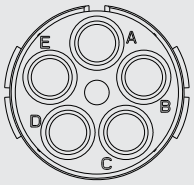
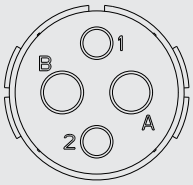
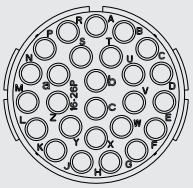
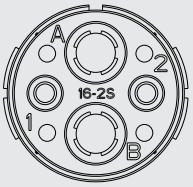
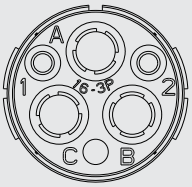
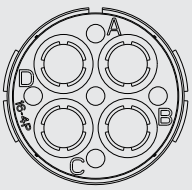
Insert arrangements Front face of contacts insert and applicable contacts, current, voltage.

	ET	ET0W	ETHP	
SHELL 12	 12-8 16# Contacts (1.6mm) 13A/300V	N/A	 12 - 2 2.5mm (16A) & 20# (5A) 350V AC/DC	
SHELL 14	N/A	 14-18 20 # Contacts(1.0mm) 5A/150V (Stamped cont.)	 14-5 16# Contacts (1.6mm) 13A/300V	 14 -2 2.5mm (16A) & 16# (13A) 350V AC/DC
SHELL 16	N/A	 16-26 20 # Contacts(1.0mm) 5A/150V (Stamped cont.)	 16-2 3.0mm (16A/23A/35A) 500V AV/DC	
			 16-3 3.0mm (16A/23A/35A) 500V AV/DC	
			 16-4 3.0mm (16A/23A/35A) 500V AV/DC	

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ET/ETOW SERIES PLUGS & RECEPTACLES

ET/ET0W SERIES PLUGS & RECEPTACLES – The rules of part number

ET 0 6 16 18 P N H EC 03 - Z

连接器类型 Connector style
ET-圆形金属卡口式连接器
Circular metal bayonet lock connector.

壳体类型 Shell style
0 -标准金属壳体/Standard metal shell
0W -高密度孔位分布金属壳体
High density arrangement metal shell

插头、插座类型 Plug, receptacle style
0-法兰盘面板插座/Flange Wall mounting receptacle
6-直插头/Straight cable plug

壳体号 Shell size
12=12#
14=14#
16=16#

孔芯 POS
8=8芯（8POS）
18=18芯（18POS）
26=26芯（26POS）

插针类型 Contact style
P -插针/Pin contact
S -插孔/Socket contact

防呆（误插）键位 Protection key
N- N键（标准键）/N key(Standard vision)
W-W键/W key
X-X键/X key
Y-Y键/Y key
Z-Z键/Z key

应用 Application
H -带O型橡胶圈（配合线夹防护等级可达IP67）
H -with O-ring seal (mate with cable clamp, protection rating will be IP67)
缺省-不带O型橡胶圈（无防护等级）
Omit -without O-ring seal (No protection rating)

线夹及适用线 Cord grip and cable style
缺省=无线夹（需另选屏蔽形线夹-适合多芯整体线缆）
Omit=no cord grip(additional choose suitable shielded cord grip for multi-cable)
EC=非屏蔽短塑胶线夹（适合散装电子线）
EC=unshielded short plastic cord grip(for single wires)

耐温等级 Temperature resistance
缺省 =-40℃~105℃（密封圈和垫片是丁晴橡胶材料）
Omit=-40℃ to 105℃（O-ring & seal gasket is NBR）
03=-40℃ ~ 125℃（密封圈和垫片是硅胶材料）
03=-40℃ to 125℃（O-ring & seal gasket is silicon rubber）

外壳表面处理 Shell finished
缺省-标准，镀镍，耐48小时盐雾测试
Omit-standard version,plated nickle 48 hours salt spray test
Z -镀黑锌，耐96小时盐雾测试/Black zinc, 96h salt spray test
G -镀绿锌，耐96小时盐雾测试/Green zinc,96h salt spray test

ET12, 8POS Connector

规格参数 Specifications:

- 额定电压 Rated Voltage: 500V DC
- 额定电流 Rated Current: 13A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 0.75mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 8 POS
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 冲压端子
  Stamping contacts
- 5种防呆键位
  5 Keys available
- 尺寸小，操作方便
  Compact size,easy installation
- 低成本
  Low cost

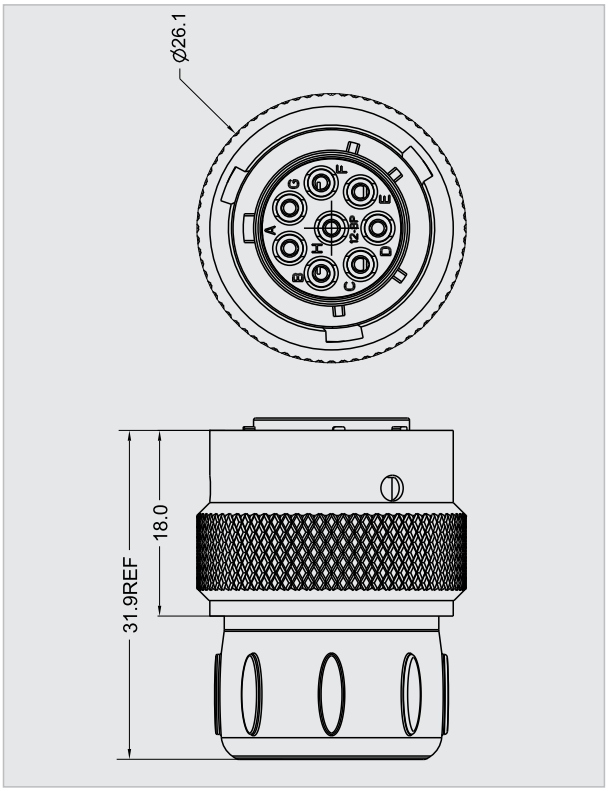
应　　用 Applications:

- 电池，电机控制器等　　Battery, MCU ,Etc

订购信息 Order Information:

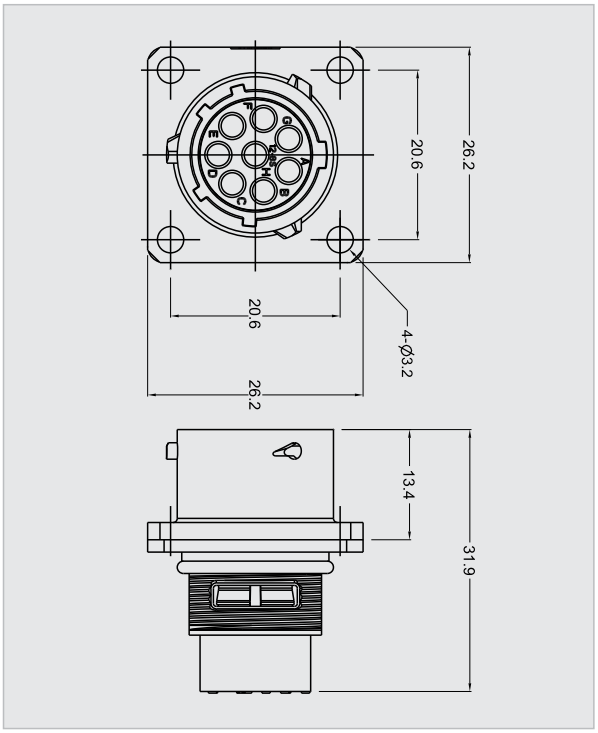
■▶ 插头 Plug:

插头 Plug	键位 Key	O型橡胶圈 With O-ring seal	耐温等级 Temperature resistance
ET06128S	N	H	03
	W		
	X		
	Y		
	Z		



■▶ 插座 Receptacle:

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ET00128P	N	03
	W	
	X	
	Y	
	Z	



ET0W14, 18POS Connector

规格参数 Specifications:

- 额定电压 Rated Voltage: 150V DC
- 额定电流 Rated Current: 5A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 0.5mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 18 POS
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 冲压端子
  Stamping contacts
- 5种防呆键位
  5 Keys available
- 尺寸小，操作方便
  Compact size,easy installation
- 低成本
  Low cost

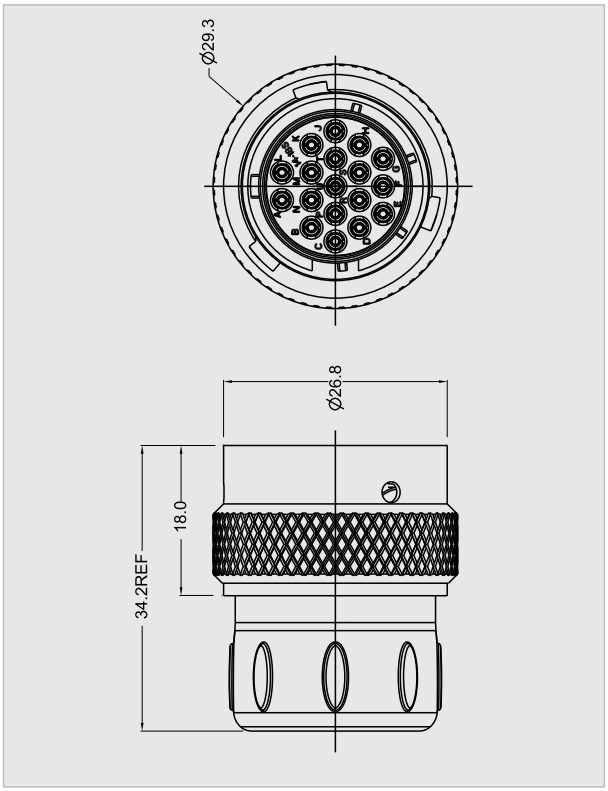
应　　用 Applications:

- 电池，电机控制器等　　Battery, MCU ,Etc

订购信息 Order Information:

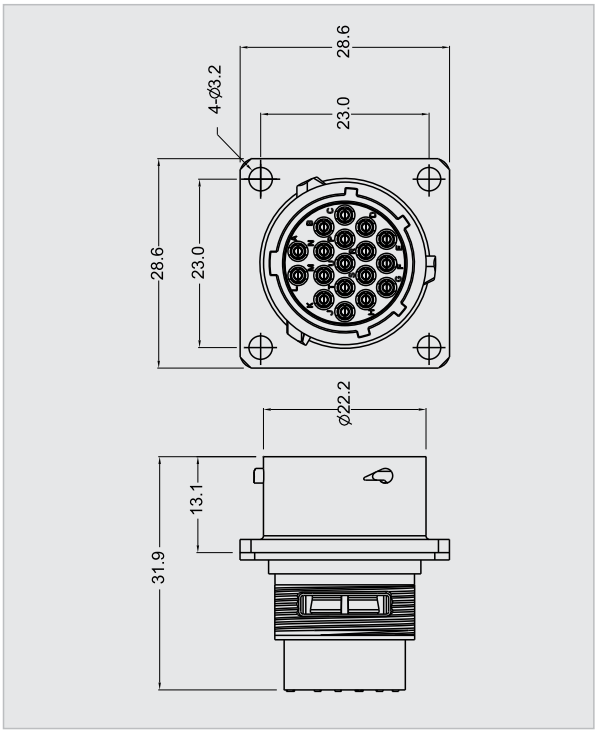
■▶ 插头 Plug：

插头 Plug	键位 Key	O型橡胶圈 With O-ring seal	耐温等级 Temperature resistance
ET0W61418S	N	H	03
	W		
	X		
	Y		
	Z		



■▶ 插座 Receptacle：

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ET0W01418P	N	03
	W	
	X	
	Y	
	Z	



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ET0W16, 26POS Connector

规格参数 Specifications:

- 额定电压 Rated Voltage: 150V DC
- 额定电流 Rated Current: 5A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 0.5mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 26 POS
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 冲压端子
  Stamping contacts
- 5种防呆键位
  5 Keys available
- 尺寸小，操作方便
  Compact size,easy installation
- 低成本
  Low cost

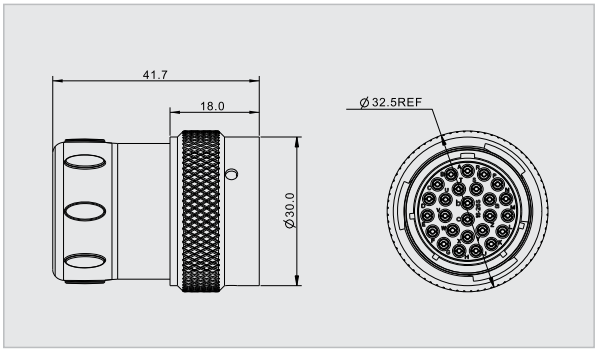
应　　用 Applications:

- 电池，电机控制器等
  Battery, Mcu,etc

订购信息 Order Information:

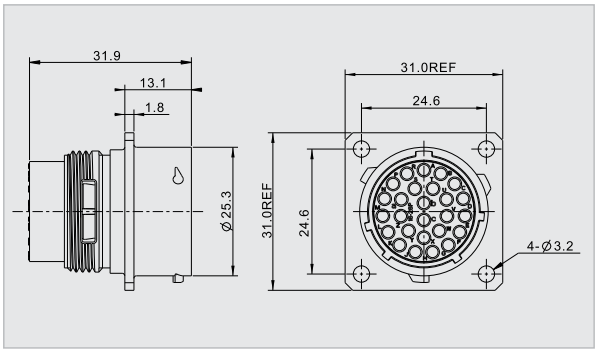
■▶ 插头（正装）/Plug（positive）：

插头 Plug	键位 Key	耐温等级 Temperature resistance
ET0W61626S	N	03
	W	
	X	
	Y	
	Z	



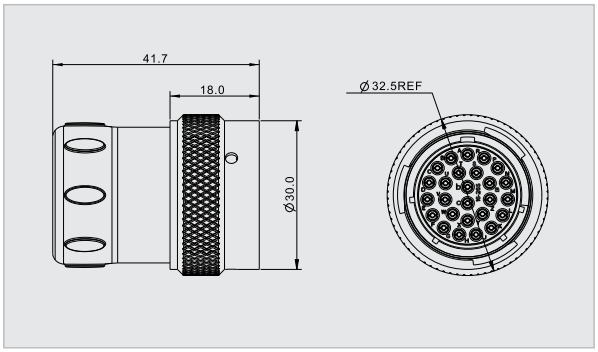
■▶ 插座（正装）/ Receptacle（positive）：

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ET0W01626P	N	03
	W	
	X	
	Y	
	Z	



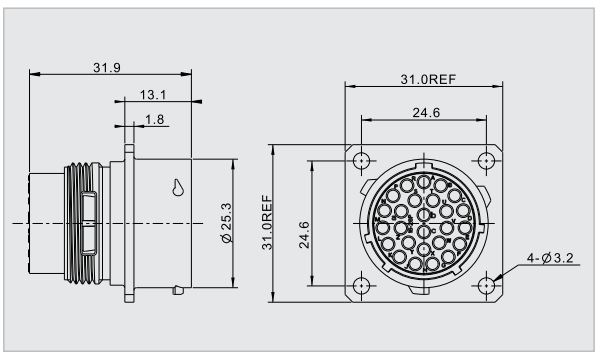
■▶ 插头（反装）/Plug（negative）：

插头 Plug	键位 Key	耐温等级 Temperature resistance
ET0W61626P	N	03
	W	
	X	
	Y	
	Z	



■▶ 插座（反装）/ Receptacle（negative）：

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ET0W01626S	N	03
	W	
	X	
	Y	
	Z	



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ETHP SERIES PLUGS & RECEPTACLES

ETHP Series Plugs – The rules of part number

ET HP 6 16 1 S N H-C 02 PS1

连接器类型/Connector style
ET-圆形金属卡口式连接器
Circular metal bayonet lock connector.

系列类型/Series specification
HP-大电流，高电压系列
High current & high voltage series

插头类型/Plug style
6-插头/Plug

壳体号/Shell size
16=16#

孔芯/POS
2=2芯（2POS）
3=3芯（3POS）
4=4芯（4POS）
5=5芯（5POS）

端子类型/Contact style
S-插孔/Socket contact

防呆（误插）键位/Protection key
N-N键（标准键）/N key(Standard vision)
W-W键/W key
X-X键/X key
Y-Y键/Y key
Z-Z键/Z key

尾部附件/Backshell
PS1-小线径短屏蔽线夹/Short shielded cord grip for small cable o.d
PS2-大线径短屏蔽线夹/Short shielded cord grip for big cable o.d
BS1-小线径90度屏蔽线夹/90° Shielded cord grip for small cable o.d
BS2-大线径90度屏蔽线夹/90° Shielded cord grip for big cable o.d
S1- 小线径长屏蔽线夹/Long shielded cord grip for small cable o.d
S2- 大线径长屏蔽线夹/Long shielded cord grip for big cable o.d
EC- 非屏蔽短线夹/Unshielded short cord grip

线材横截面积大小/Cable size
02=2.5mm² 线材/2.5mm² cable
03=4mm² 线材/4mm² cable
11=6mm² 线材/6mm² cable

接线方式/Connect form
C-铆压/Riveting

应用/Application
H-带O型橡胶圈（配合线夹防护等级可达IP67）
H-with O-ring seal (mate with cable clamp, protection rating will be IP67)

ETHP Series Receptacles – The rules of part number

ET HP 0 16 3 P N-C-02

连接器类型/Connector style
ET-圆形金属卡口式连接器
Circular metal bayonet lock connector.

系列类型/Series specification
HP-大电流，高电压系列
High current & high voltage series

插座类型/Receptacle style
0-四方盘面板插针/Wall mounting receptacle
7-八方盘螺帽插座/Jam nut receptacle
1-圆形螺帽插座/Free handling receptacle

壳体号/Shell size
16=16#

孔芯/POS
2=2芯（2POS） 4=4芯（4POS）
3=3芯（3POS） 5=5芯（5POS）

线材横截面积大小/Cable size
02=2.5mm² 线材/2.5mm² cable
03=4mm² 线材/4mm² cable
11=6mm² 线材/6mm² cable

接线方式/Connect form
C-铆压/riveting

防呆（误插）键位/Protection key
N-N键（标准键）/N key(Standard vision)
W-W键/W key
X-X键/X key
Y-Y键/Y key
Z-Z键/Z key

插针类型/Contact style P-插针/Pin contact

ETHP12, 2POS Connector

规格参数 Specifications:

- 额定电流 Rated Current: 16A Max.(Power)&5A Max.(Signal)
- 额定电压 Rated Voltage: 500V DC
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm^2&0.5mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 2POS Power+2POS Signal
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

应　　用 Applications:

- PDU，电池，电机控制器
  PDU, Battery, Motor Controller

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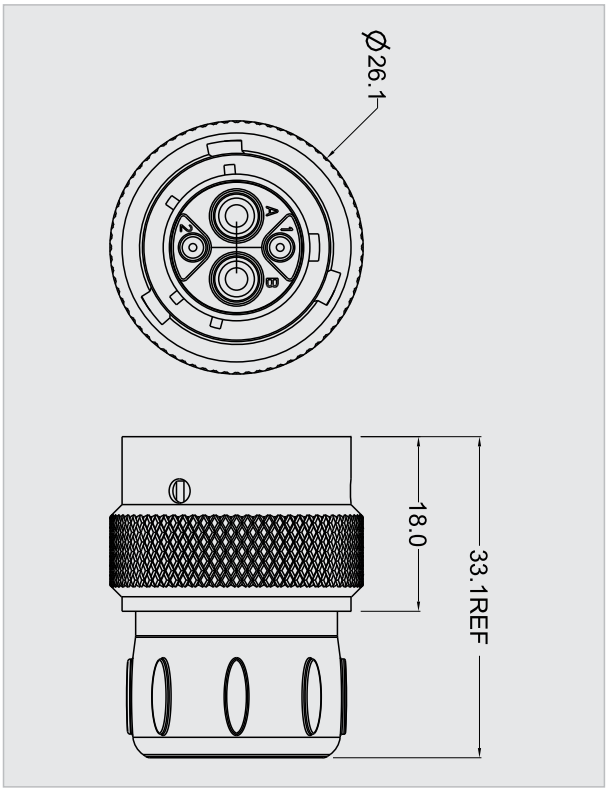
订购信息 Order Information:

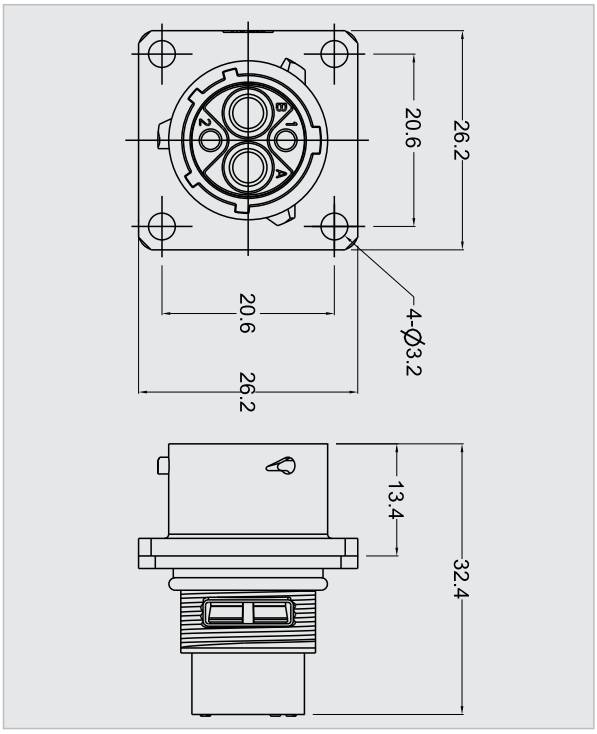
■▶ 插头 Plug:

插头 Plug	键位 Key	O型橡胶圈 With O-ring seal	耐温等级 Temperature resistance
ETHP06122S	N	H	03
	W		
	X		
	Y		
	Z		



■▶ 插座 Receptacle:

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ETHP00122P	N	03
	W	
	X	
	Y	
	Z	



ETHP14, 2POS Connector

规格参数 Specifications:

- 额定电流 Rated Current: 16A Max.(Power)& 13A Max.(Signal)
- 额定电压 Rated Voltage: 500V DC
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm^2 & 1.5mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 2POS Power+2POS Signal
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

应　　用 Applications:

- PDU，PEU，充电机，DC/DC

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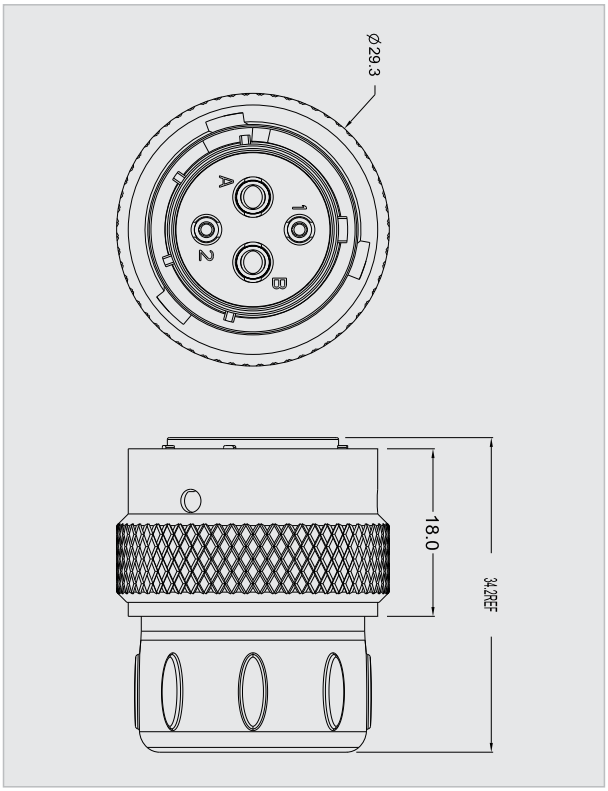
订购信息 Order Information:

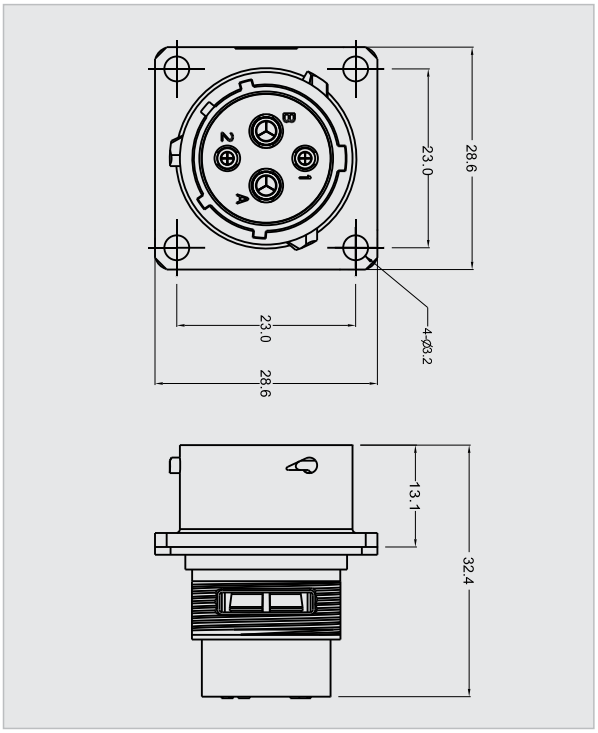
■▶ 插头 Plug:

插头 Plug	键位 Key	O型橡胶圈 With O-ring seal	耐温等级 Temperature resistance
ETHP06142S	N	H	03
	W		
	X		
	Y		
	Z		



■▶ 插座 Receptacle:

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ETHP00142P	N	03
	W	
	X	
	Y	
	Z	



ETHP14, 5POS Connector

规格参数 Specifications:

- 额定电压 Rated Voltage: 500V DC
- 额定电流 Rated Current: 16A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm^2
- 屏　　蔽 Shielding: 无 No
- 插拔寿命 Mating Cycles: ≥100
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 5POS
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

应　　用 Applications:

- PDU，PEU，充电机，DC/DC

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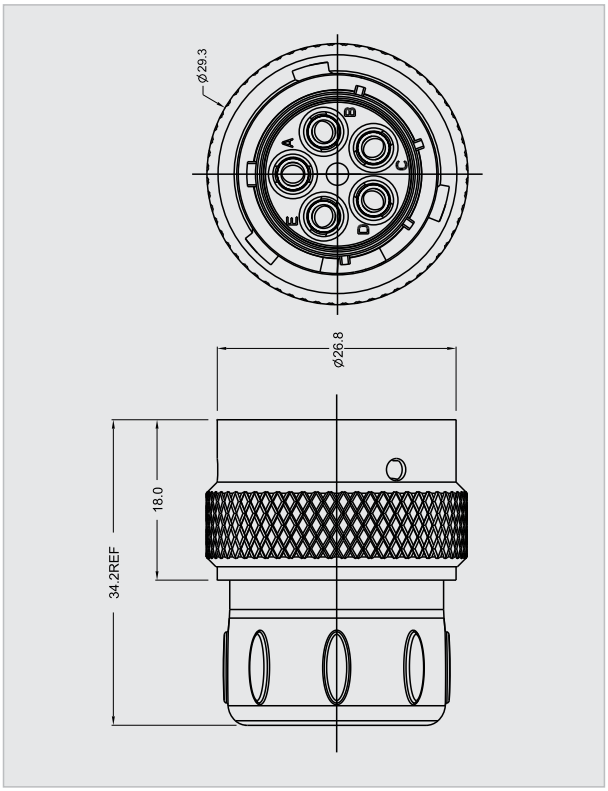
订购信息 Order Information:

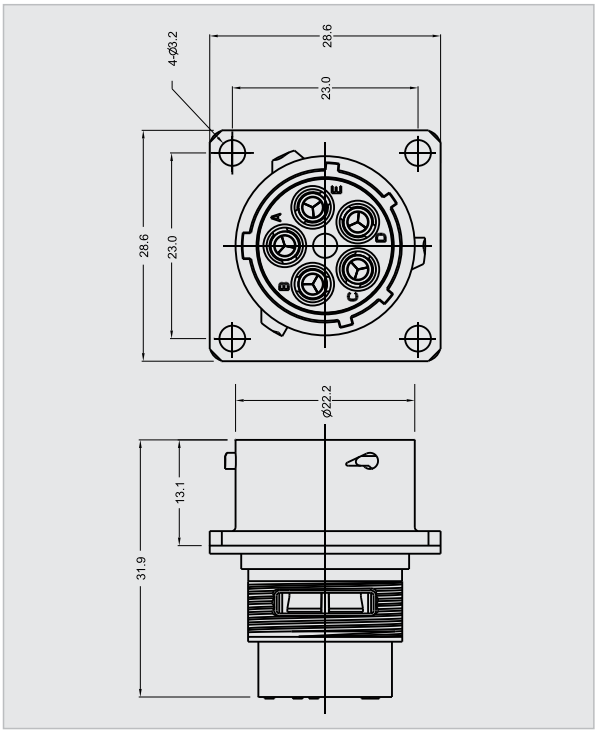
■▶ 插头 Plug:

插头 Plug	键位 Key	O型橡胶圈 With O-ring seal	耐温等级 Temperature resistance
ETHP06145S	N	H	03
	W		
	X		
	Y		
	Z		



■▶ 插座 Receptacle:

插座 Receptacle	键位 Key	耐温等级 Temperature resistance
ETHP00145P	N	03
	W	
	X	
	Y	
	Z	



ETHP16, 2POS Connector

规格参数 Specifications:

- 额定电流 Rated Current: 35A Max.(Power)&5A Max.(Signal)
- 额定电压 Rated Voltage: 500V DC
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm²/4mm²/6mm²
- 屏　　蔽 Shielding: 有 Yes
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 2POS Power+2POS Signal
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

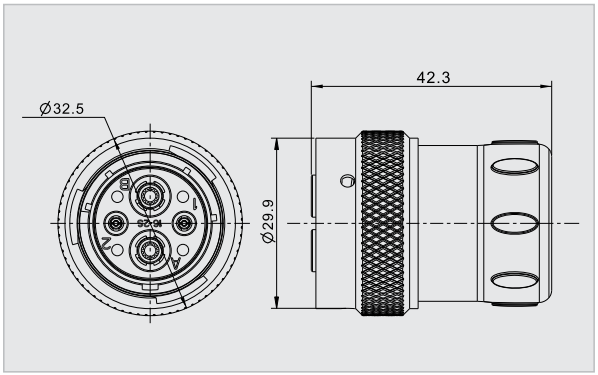
应　　用 Applications:

- PDU，PEU，充电机，DC/DC

订购信息 Order Information:

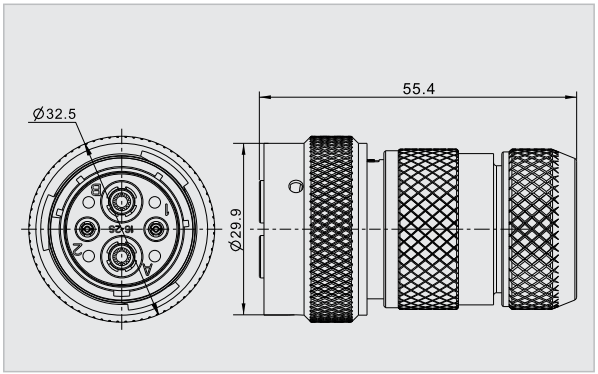
■▶ 插头 Plug（非屏蔽 No Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6162S	N	H	-C02	EC
	W			
	X		-C03	
	Y		-C11	
	Z			



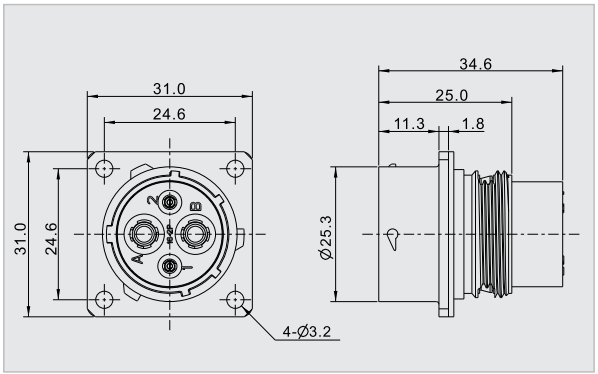
■▶ 插头 Plug（屏蔽 Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6162S	N	H	-C02	S1
	W			
	X		-C03	
	Y		-C11	
	Z			



■▶ 插座 Receptacle：

插座 Receptacle	键位 Key	接线 Plating
ETHP0162P	N	-C02
	W	
	X	-C03
	Y	-C11
	Z	



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ETHP16, 3POS Connector

规格参数 Specifications:

- 额定电流 Rated Current: 35A Max.(Power)&5A Max.(Signal)
- 额定电压 Rated Voltage: 500V DC
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm²/4mm²/6mm²
- 屏　　蔽 Shielding: 有 Yes
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 3POS Power+2POS Signal
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

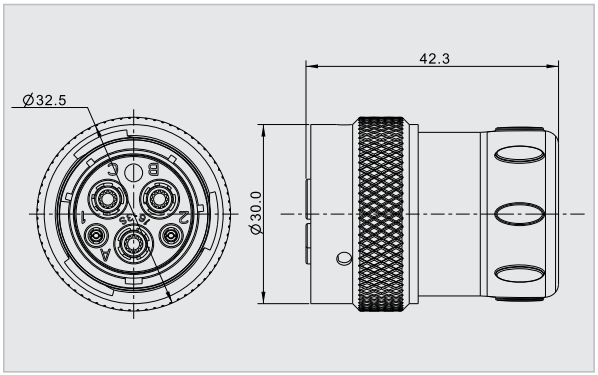
应　　用 Applications:

- PDU，PEU，充电机，DC/DC

订购信息 Order Information:

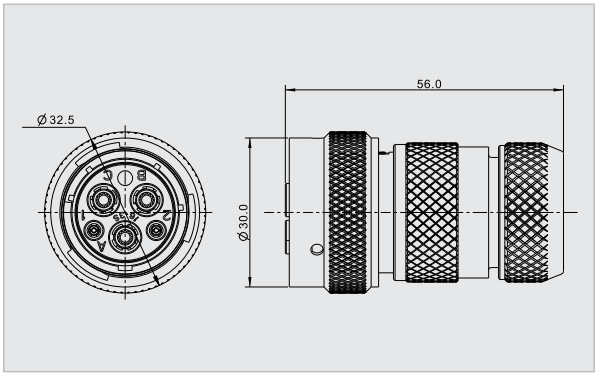
■▶ 插头 Plug（非屏蔽 No Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6163S	N	H	-C02	EC
	W			
	X		-C03	
	Y		-C11	
	Z			



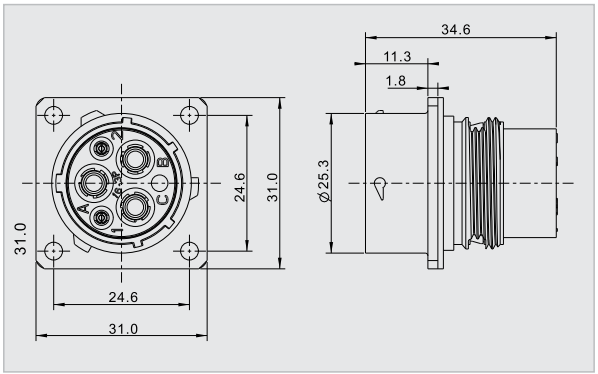
■▶ 插头 Plug（屏蔽 Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6163S	N	H	-C02	S1
	W			
	X		-C03	
	Y		-C11	
	Z			



■▶ 插座 Receptacle：

插座 Receptacle	键位 Key	接线 Plating
ETHP0163P	N	-C02
	W	
	X	-C03
	Y	-C11
	Z	



ETHP16, 4POS Connector

规格参数 Specifications:

- 额定电压 Rated Voltage: 500V DC
- 额定电流 Rated Current: 35A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 线缆范围 Cable Range: 2.5mm²/4mm²/6mm²
- 屏　　蔽 Shielding: 有 Yes
- 插拔寿命 Mating Cycles: ≥200
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: N/A
- 阻燃等级 Flame Class: UL94-V0（Thermoplastic Plastics）
- 芯　　数 Positions: 4POS
- 高压互锁 HVIL: N/A

特征和优点 Features and Benefits:

- 产品体积小，安装方便
  Compact size , easy installation
- 5种防呆键位
  5 Keys available
- 低成本
  Low cost
- 优越的电气绝缘性
  Excellent Insulation

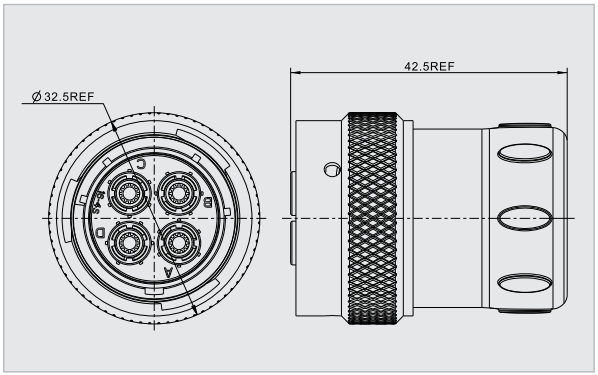
应　　用 Applications:

- PDU，PEU，充电机，DC/DC

订购信息 Order Information:

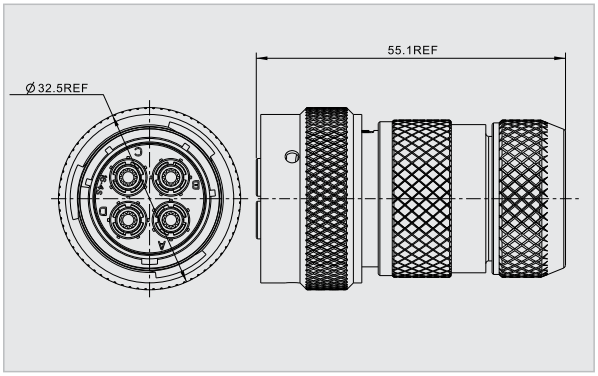
■▶ 插头 Plug（非屏蔽 No Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6164S	N	H	-C02	EC
	W			
	X		-C03	
	Y		-C11	
	Z			



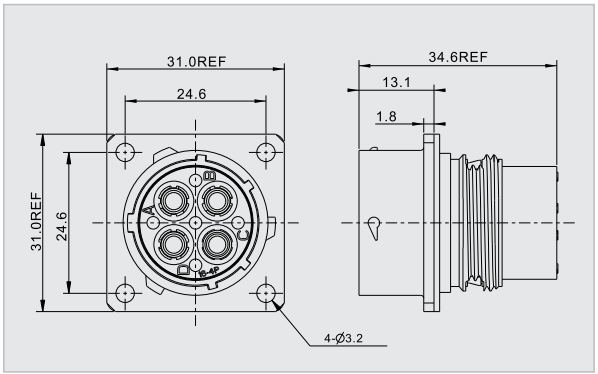
■▶ 插头 Plug（屏蔽 Shielding）：

插头 Plug	键位 Key	O型橡胶圈 WithO-ringseal	接线 Plating	尾部附件 Plating
ETHP6164S	N	H	-C02	S1
	W			
	X		-C03	
	Y		-C11	
	Z			



■▶ 插座 Receptacle：

插座 Receptacle	键位 Key	接线 Plating
ETHP0164P	N	-C02
	W	
	X	-C03
	Y	-C11
	Z	



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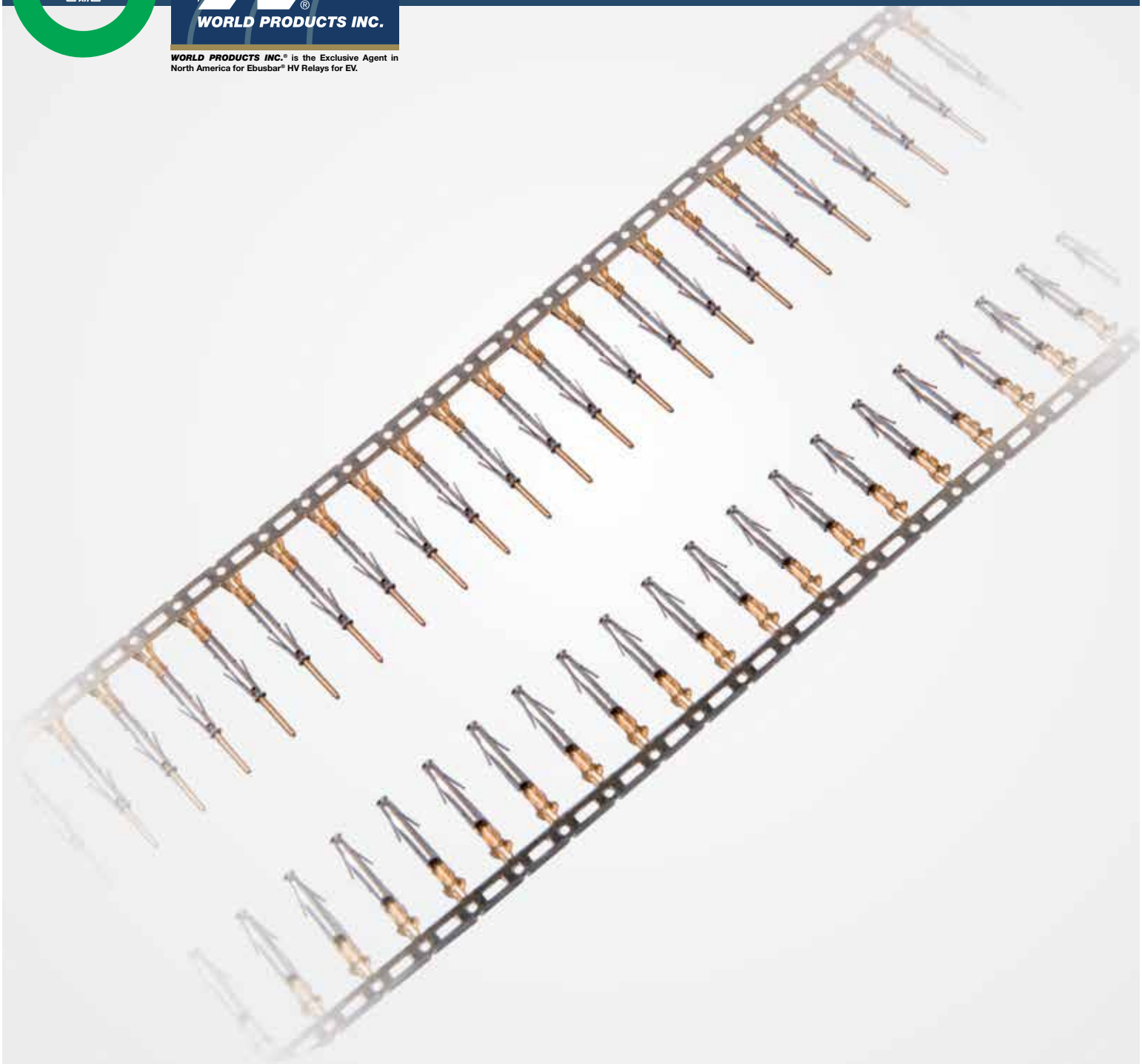

ET/ETOW Series Contacts

ET/ ET0W Series Contacts – The rules of part number

ESP 20 M 23 _ G30

端子类型/ Contact style
ESP 代表 冲压公针/Stamped&Formed pin
ESS 代表 冲压母针/Stamped&Formed socket

可压接线号/ Wire size range
10 代表 12~10AWG(3mm² to 6mm²)(仅限及机加工端子 Only for machined contact)
12 代表 14~12AWG(2.5mm²~3.5mm²)(仅限冲压端子 Only for stamped and formed contact)
14 代表 16~14AWG(2.0mm² to 2.5mm²)
16 代表 18~16AWG(0.75mm² to 1.5mm²)
20 代表 22~20AWG(0.35mm² to 0.5mm²)

端子尺寸/ Contact size
A 代表8号尺寸电源端子（size 8）
M 代表 16号尺寸（size 16）
W 代表 20号尺寸（size 20）

表面处理/Plating
T 代表 镀锡/Tin plated(仅限冲压端子 Only for stamped and formed contact)
S 代表 镀银5um/Silver plated 5 um(仅限机加工端子 Only for machined contact)
F 代表 漂金/Gold plated
G5 代表镀金5u"/Gold plated [thickness 5"]
G10 代表镀金10u"/Gold plated [thickness 10"]
G15 代表镀金15u"/Gold plated [thickness 15"]
G30 代表镀金30u"/Gold plated [thickness 30"]

接地端子/Grounding contact
Ge1 代表1mm长接地端子/For 1mm long GND contacts

设计变更/design variation
1 代表铆压类型/Crimp type(仅限冲压端子 Only for stamped and formed contact)
23 代表铆压/Crimp barrel(仅限机加工端子 Only for machined contact)

Contacts part number sheet

端子尺寸/电流 Contact size/Current	线号/ Wire Range		公针号码 Male P/N	母针号码 Female P/N
	AWG	mm2		
8# (45A)	12-10	3.0~6.0	N/A	N/A
2.5mm (23A)	14-12	2.5~3.5	ESP12A1*	ESS12A1*
16# (13A)	18-16	0.75~1.5	ESP16M1*	ESS16M1*
	22-20	0.34~0.50	ESP20M1*	ESS20M1*
20# (machined7.5A) (stamped 5A)	22-20	0.34~0.50	ESP20W1*	ESS20W1*

*stands for the alternate finishes.Please consult our sales.

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World Products Inc.®

For over 45 years, World Products Inc.® (WPI) has worked with Tier 1 automotive suppliers and has offered the highest quality products with superior technical support to the automotive industry. WPI brings additional value in today's electric vehicle market with our award-winning customer service and a dedicated automotive sales force, while providing our customers with environmentally sound and technologically advanced products. WPI consistently delivers the highest quality products at competitive prices and we support our customers with a world-wide distribution network which assists their businesses to successfully compete in a global market.

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