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WORLD PRODUCTS INC.® is the Exclusive Agent in
North America for Ebusbar® HV Relays for EV.

MSD Series





WORLD PRODUCTS INC.® is the Exclusive Agent in North America for Ebusbar® HV Relays for EV.

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



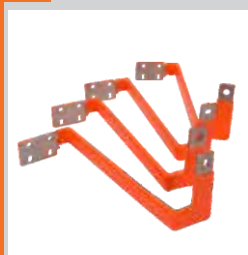
HV Relay

4

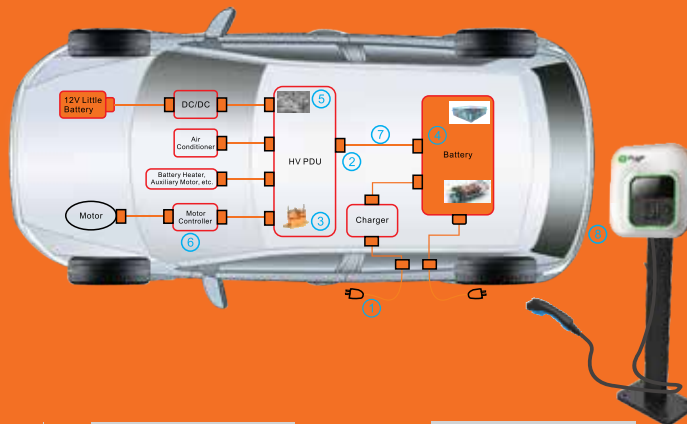


Power Battery Box

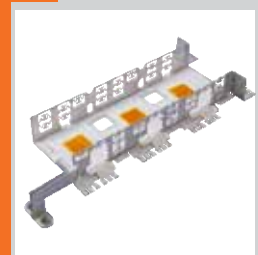
5



Flexibar



6



Laminated busbar

7



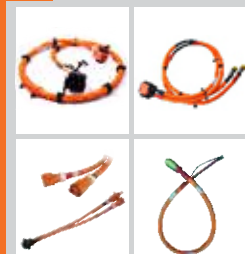
HV Power Distribution Products

8



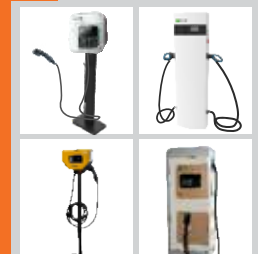
Motor Driver and Integrated Products

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Vehicle HV Wire Harness Products

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Electric Vehicle Charging Products

Ebusbar

巴斯巴



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MSD SERIES



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MSD Series
维修开关系列 ▶

MSD Series

MS 01 - P L - 1 - 200

系列 Series	类型 Type	插头/ 插座 Plug/ Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格/插座接线方式 Fuse Specification/ Receptacle Termination Type
MS	01	P-插头 Plug	N-无 No	0-无	000-铜排直联
					200-200A
					250-250A
					300-300A
	02	R-插座 后安装 Receptacle Rear Mounting		1-Bussman	315-315A
					350-350A
					400-400A
					500-500A
	03	B-插座 小规格前安装 Receptacle Small Specification Front Mounting		2-太平洋	550-550A
					630-630A
					C07-35mm ²
					C08-50mm ²
	04	B-插座 小规格前安装 Receptacle Small Specification Front Mounting	L-有 Yes	3-友容	C09-70mm ²
					T01-M6螺纹柱
					T02-M8螺纹柱
					T03-M10螺纹柱
	05	F-插座 前安装 Receptacle Front Mounting		4-日之初	T12-M6内螺纹
					H02-螺纹过孔M8
					H15-螺纹过孔M10
					H25-螺纹过孔M5



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MSD Series
维修开关系列

MS01 MSD



规格参数 Specifications:

- 额定电压 Rated Voltage: 700V DC
- 额定电流 Rated Current: 300A Max.
- 工作温度 Temperature Range: -40°C~125°C
- 插拔寿命 Mating Cycles: ≥ 100
- 高压互锁 HVIL: 有 Yes
- 防护等级 IP Class: IP 67, IP6K9K(Mated)
- 电气保护 Touch Proof: IP2XB
- 阻燃等级 Flame Class: UL94-V0 (Thermoplastic Plastics)
- 熔断器规格 Fuse Specification: 200A / 250A / 350A / 400A / 500A / 630A

特征和优点 Features and Benefits:

- 延时断开功能
Time delay function
- 特殊端子设计
Special terminal design
- 兼容TE和Amphenol
Compatible with TE and Amphenol
- 前装和后装可选
Front or rear mounting optional
- 定制Fuse, 耐压和过流能力更高
Custom fuse, high voltage and current carrier capacity

应用 Applications:

- PDU, 电池, PEU PDU, Battery, PEU



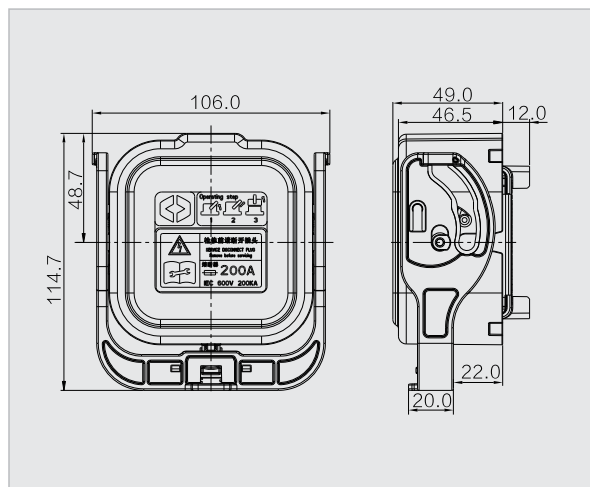
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MSD Series
维修开关系列

订购信息 Order Information:

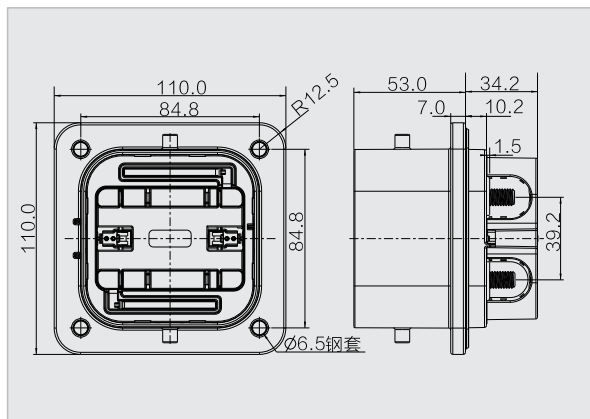
插头 Plug:

插头 Plug	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格 Fuse Specification
MS01-P	L	1	-200
			-250
			-350
			-400
			-500
			-630
		0	-000



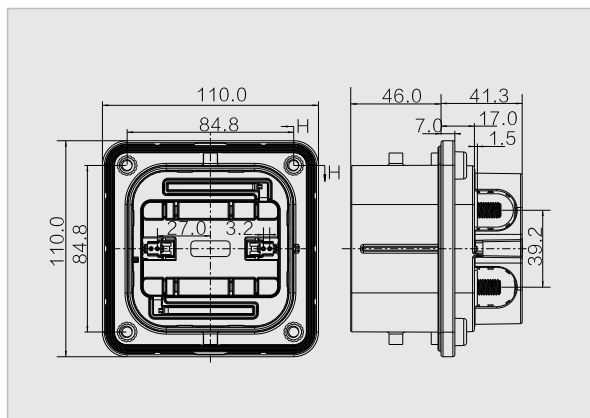
插座-(前安装) Receptacle (Front Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS01-F	L	0	-T02	M8螺纹柱



插座-(后安装) Receptacle (Rear Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS01-R	L	0	-T02	M8螺纹柱

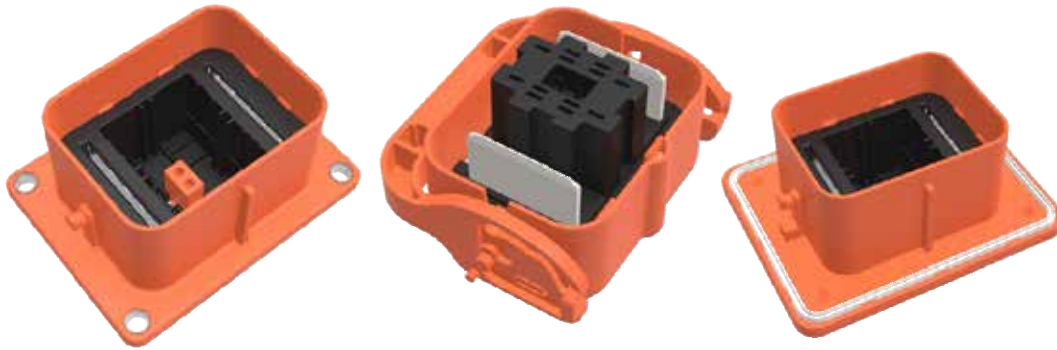




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MSD Series
维修开关系列

MS02 MSD



规格参数 Specifications:

- 额定电压 Rated Voltage: 600V DC/700V DC
- 额定电流 Rated Current: 180A Max.
- 工作温度 Temperature Range: -40℃~125℃
- 插拔寿命 Mating Cycles: ≥ 100
- 高压互锁 HVIL: 有 Yes
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: IP2XB
- 阻燃等级 Flame Class: UL94-V0 (Thermoplastic Plastics)
- 熔断器规格 Fuse Specification: 250A / 315A / 350A / 400A

特征和优点 Features and Benefits:

- 产品体积小
Compact size
- 特殊端子设计
Special terminal design
- 兼容TE和Amphenol
Compatible with TE and Amphenol
- 延时断开功能
Time delay function
- 前装和后装可选
Front or rear mounting optional
- 定制Fuse, 耐压和过流能力更高
Custom fuse, high voltage and current carrier capacity

应用 Applications:

- PDU, 电池, PEU PDU, Battery, PEU



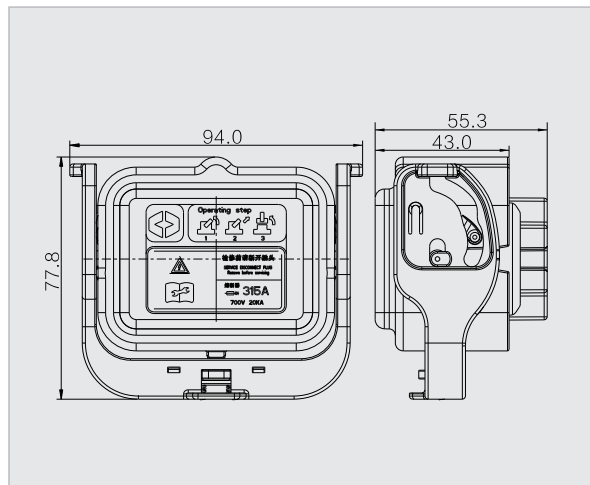
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MSD Series
维修开关系列

订购信息 Order Information:

插头 Plug:

插头 Plug	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格 Fuse Specification
MS02-P	L	1	-250
			-315
			-350
			-400
		0	-000



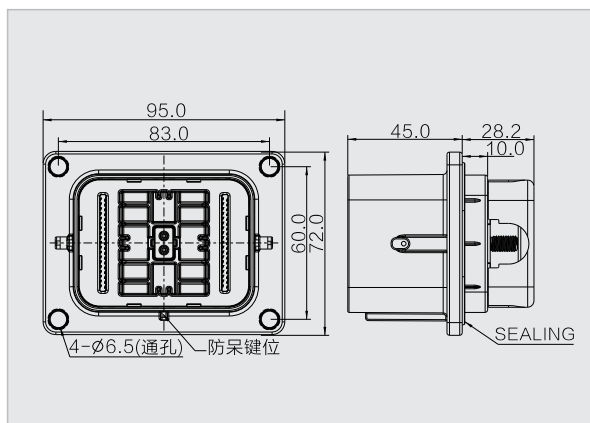
注：熔断器规格：250A~315A 对应选型电压700V DC，350A~400A 对应选型电压600V DC

Note: When rated current is 250A to 315A, the corresponding rated voltage is 700V DC.

When rated current is 350A to 400A, the corresponding rated voltage is 600V DC.

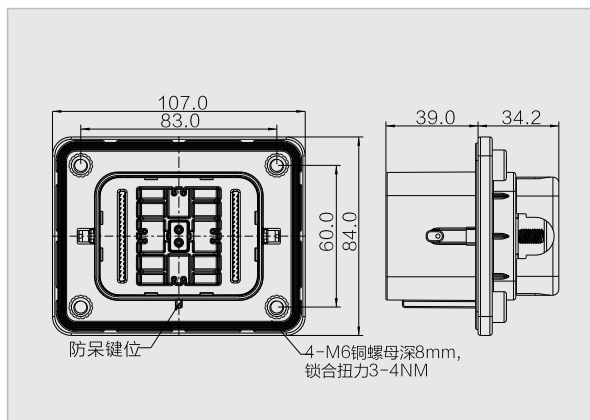
插座-(前安装) Receptacle (Front Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS02-F	L	0	-T01	M6螺纹柱



插座-(后安装) Receptacle (Rear Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS02-R	L	0	-T01	M6螺纹柱





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MSD Series
维修开关系列

MS03 MSD



规格参数 Specifications:

- 额定电压 Rated Voltage: 600V DC/700V DC
- 额定电流 Rated Current: 200A Max.
- 工作温度 Temperature Range: -40°C~125°C
- 插拔寿命 Mating Cycles: ≥ 100
- 高压互锁 HVIL: 有 Yes
- 防护等级 IP Class: IP67(Mated)
- 电气保护 Touch Proof: IP2XB
- 阻燃等级 Flame Class: UL94-V0 (Thermoplastic Plastics)
- 熔断器规格 Fuse Specification: 200A / 250A / 315A / 400A / 500A / 550A / 630A

特征和优点 Features and Benefits:

- 产品体积小
Compact size
- 多种Fuse规格可用
Multiple fuse available on request
- 转簧端子技术
Consok contact technology
- 助力手柄
Assistance handle
- 内部集成高压互锁功能 (可选)
HVIL feature (optional)
- 插座尾部多种接线方式, 压接、螺纹连接和铜排连接
Can use busbar, crimping, screw connection

应用 Applications:

- PDU, 电池, PEU PDU, Battery, PEU



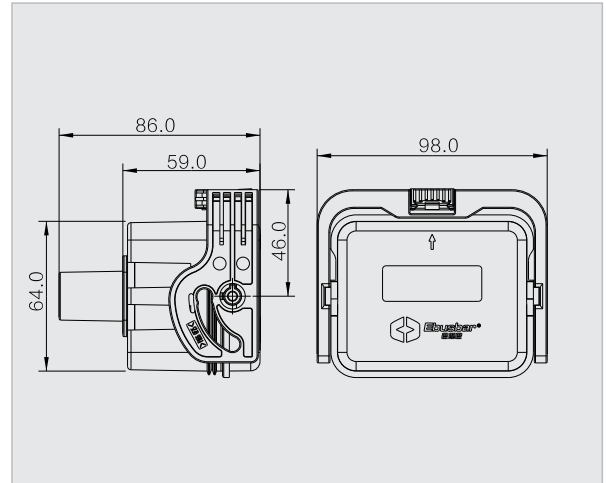
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MSD Series
维修开关系列

订购信息 Order Information:

插头 Plug:

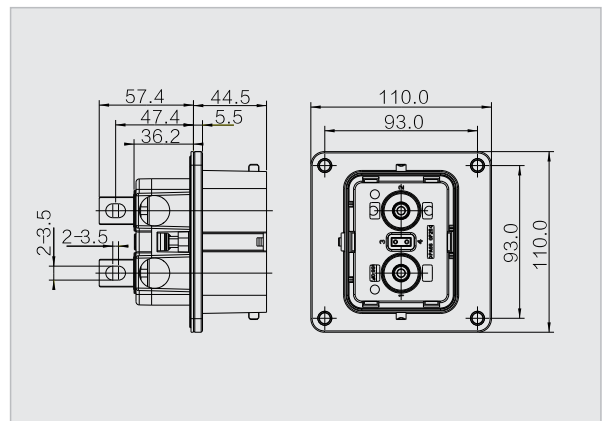
插头 Plug	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格 Fuse Specification
MS03-P	L	1	-200
			-250
			-315
			-350
			-400
			-500
			-550
			-630
			-000



Note: When rated current is 200A to 500A, the corresponding rated voltage is 700V DC.
When rated current is 550A to 630A, the corresponding rated voltage is 600V DC.

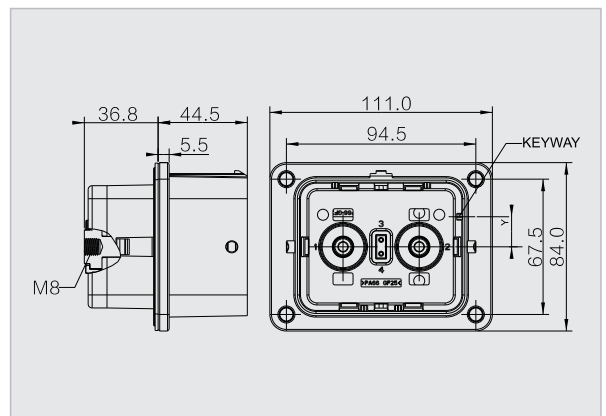
插座(前安装) Receptacle (Front Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS03-F	L	0	-C07	压接 Crimping
			-C08	
			-C09	
			-T02	螺纹 Thread
			-T12	
			-H12	尾部过孔 Thread Through Hole



插座(小规格)前安装 Receptacle (Small Specification) Front Mounting:

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS03-B	L	0	-C07	压接 Crimping
			-C08	
			-C09	
			-T02	螺纹 Thread
			-T12	
			-H02	尾部过孔 Thread Through Hole
			-H15	
			-H25	





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MSD Series
维修开关系列

MS04 MSD



规格参数 Specifications:

- 额定电压 Rated Voltage: 450V DC
- 额定电流 Rated Current: Based on fuse selection
- 工作温度 Temperature Range: -40°C ~ 125°C
- 插拔寿命 Mating Cycles: ≥ 100
- 高压互锁 HVIL: 有 Yes
- 防护等级 IP Class: IP67 (Mated)
- 电气保护 Touch Proof: IP2XB
- 阻燃等级 Flame Class: UL94-V0 (Thermoplastic Plastics)
- 熔断器规格 Fuse Specification: 250A / 400A

特征和优点 Features and Benefits:

- 产品体积小
Compact size
- 多种Fuse规格可用
Multiple fuse available on request
- 转簧端子技术
Consok contact technology
- 助力手柄
Assistance handle
- 内部集成高压互锁功能 (可选)
HVIL feature (optional)

应用 Applications:

- PDU, 电池, PEU
- PDU, Battery, PEU



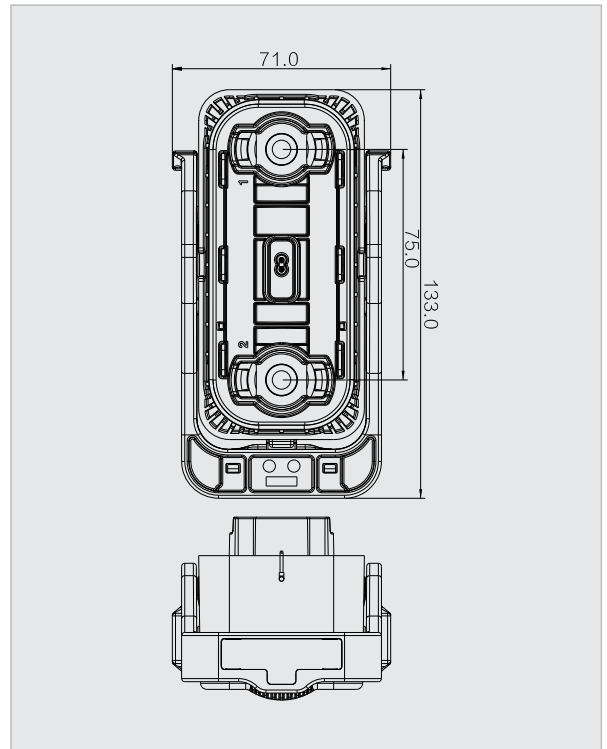
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MSD Series
维修开关系列

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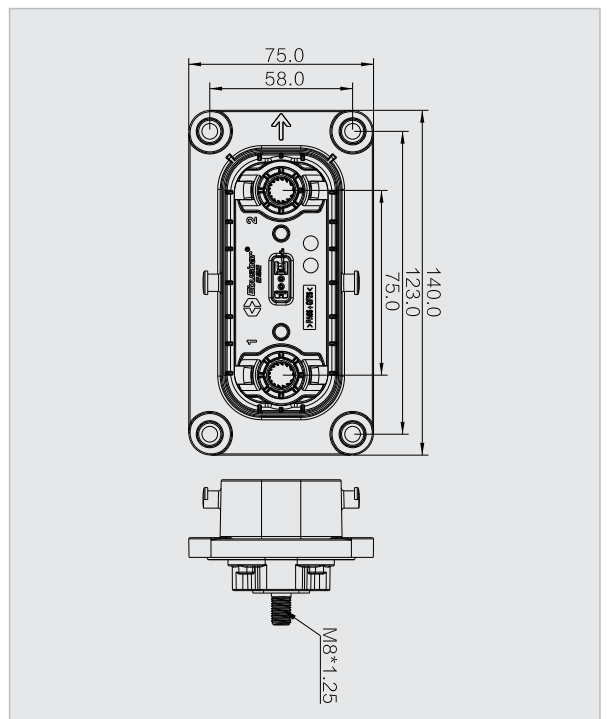
插头 Plug:

插头 Plug	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格 Fuse Specification
MS04-P	L	1	-250
		2	
		1	-400



插座(前安装) Receptacle (Front Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS04-F	L	0	-T02	螺纹 Thread

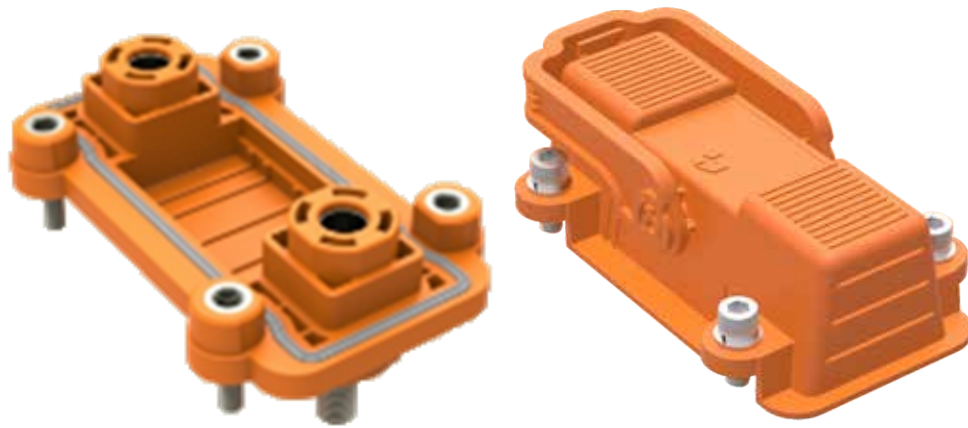




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MSD Series
维修开关系列

MS05 MSD



规格参数 Specifications:

- 额定电压 Rated Voltage: 700V DC
- 额定电流 Rated Current: Based on fuse selection
- 工作温度 Temperature Range: -40°C ~ 125°C
- 插拔寿命 Mating Cycles: ≥ 100
- 高压互锁 HVIL: 无 No
- 防护等级 IP Class: IP67, IP6K9K(Mated)
- 电气保护 Touch Proof: IP2XB
- 阻燃等级 Flame Class: UL94-V0 (Thermoplastic Plastics)
- 熔断器规格 Fuse Specification: 350A / 400A

特征和优点 Features and Benefits:

- 螺丝安装
Screw Installation
- 直流保险丝更高的灭弧功能
DC fuse with higher arc extinguishing function
- 10.3mm端子设计
10.3 mm terminal design
- 安装方便
Convenient Installation

应用 Applications:

- PDU, 电池, PEU PDU, Battery, PEU



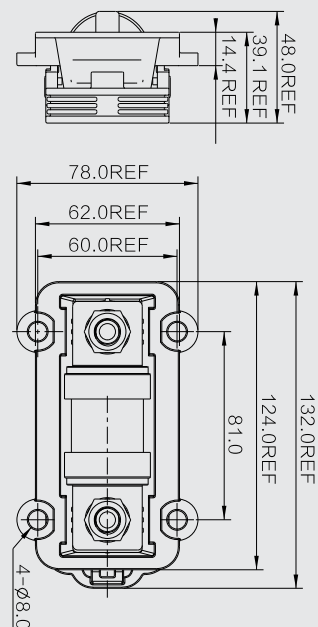
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MSD Series
维修开关系列

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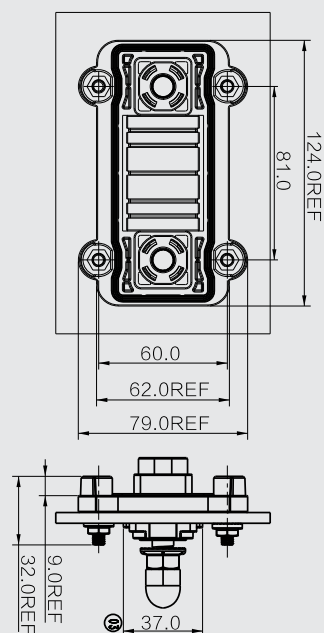
插头 Plug:

插头 Plug	高压互锁 HVIL	熔断器型号 Fuse Supplier	熔断器规格 Fuse Specification
MS05-P	N	4	-350
			-400
			-000



插座(前安装) Receptacle (Front Mounting):

插座 Receptacle	高压互锁 HVIL	熔断器型号 Fuse Supplier	接线方式 Termination Type	
MS05-F	N	0	-T03	M10螺纹柱 Thread





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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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