



AMPHENOL PCD SHENZHEN



EXCEL | MATE MSD

Manual Service Disconnect

www.amphenolpcd.com.cn

INDUSTRIAL@AMPHENOL
TRUSTED GLOBALLY

EXCEL|MATE MSD 2

EXCEL|MATE MSD - TECHNICAL CHARACTERISTICS 3

PRODUCT DIMENSIONS 4

HOW TO ORDER | EXCEL|MATE MSD 6

EXCEL|MATE MSD V - TECHNICAL CHARACTERISTICS 7

HOW TO ORDER | EXCEL|MATE MSD V 8

EXCEL|MATE MSD XL - TECHNICAL CHARACTERISTICS 9

PRODUCT DIMENSIONS 10

HOW TO ORDER | EXCEL|MATE MSD XL 13

EXCEL|MATE MINI MSD 14

EXCEL|MATE MINI MSD - TECHNICAL CHARACTERISTICS 15

PRODUCT DIMENSIONS 16

HOW TO ORDER | EXCEL|MATE MINI MSD 18



Amphenol PCD Manual Service Disconnect

Excel|Mate MSD is a safe and a reliable solution for HEV servicing.

Equipped with a two-stage lever to open the HVIL circuit prior to the separation of HV contacts, it is a tool-free solution for disconnecting the internal high voltage battery pack and protecting it from short circuit. All HV conductive contact surfaces on the receptacle assembly are finger-touch safe.

Available in a scalable design with a variety of fuse ratings.

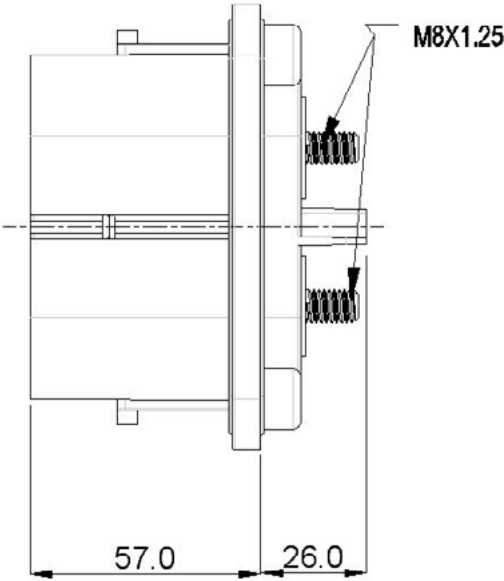
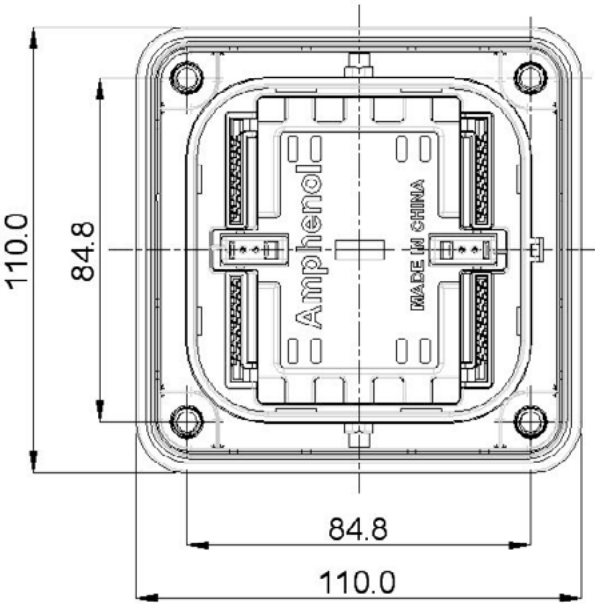
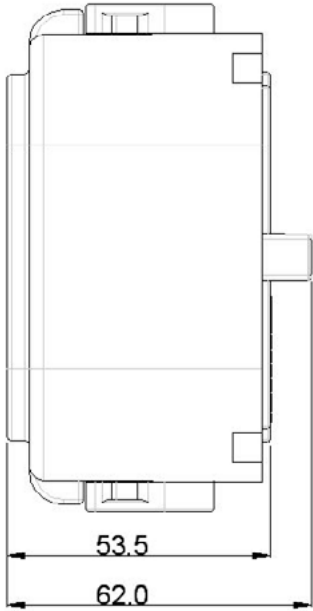
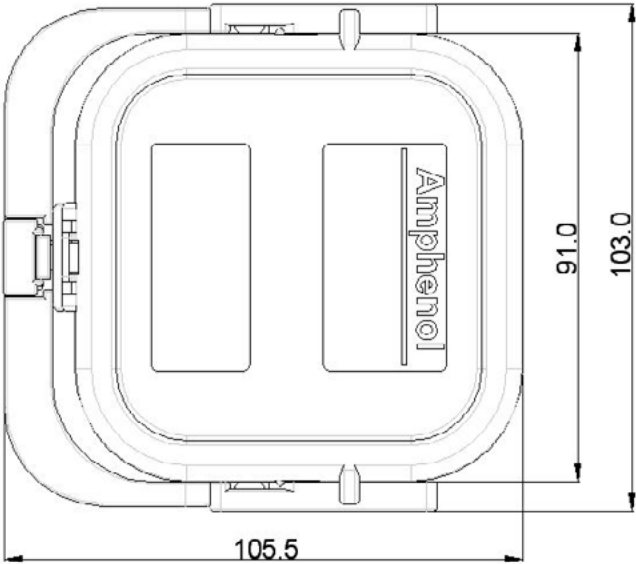


KEY FEATURES

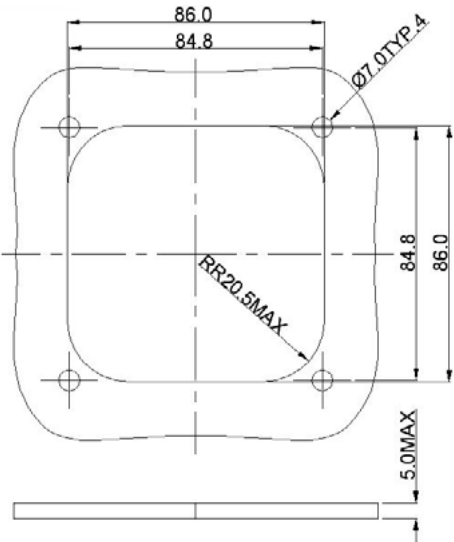
- A two-stage lever provides an HVIL time delay
- 2 x integrated internal HVIL
- Unique cooling structure
- Dual-channel design lowers temperature rise
- No tools required to unmate
- Various fuse ratings
- Receptacle can be front or rear mounted

APPLICATION	
It is a tool-free solution for disconnecting the internal high voltage battery pack and protecting it from short circuit.	
MECHANICAL	
Mating cycles	≥ 50 cycles
ELECTRICAL	
Fuse specification	up to 630A
With fuse:	
Rated current	Current is approximately 1/3 the fuse rating (230A Max)
Rated voltage	600V DC
With shunt:	
Rated current	230A Max
Rated voltage	1000V DC Max
ENVIRONMENTAL	
Protection degree	IP67, IP6K9K (mated)
Ambient temperature	-40°C to 70°C
Storage temperature	-40°C to 85°C
Operating temperature	-40°C to 125°C
STANDARDS	
USCAR-2	
USCAR-37	
LV-215	
RoHS	

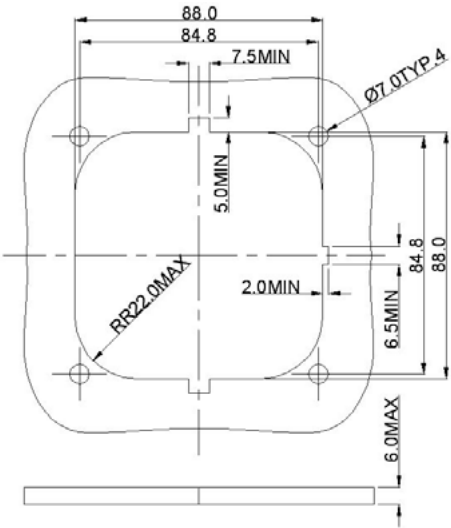
PRODUCT DIMENSIONS



FRONT MOUNTED



REAR MOUNTED



DUST CAP AVAILABLE
P/N: C270006810



HOW TO ORDER - EXCEL|MATE MSD

	MSD	M	350	2	F
Shell type:					
M: Plug					
F: Receptacle					
Fuse rating current:					
XXX: 200, 250, 315, 350, 400, 450, 500, 550, 630 (Unit: AMP)					
000: No fuse needed, can directly use the terminal					
Fuse brand (this applies to plugs) :					
1: Ferraz					
2: Bussmann					
Flange mounted type (this applies to sockets) :					
F: Front mounted					
R: Rear mounted					

EXCEL|MATE MSD V - TECHNICAL CHARACTERISTICS



MSD V is an upgraded version of the standard MSD.

It provides a rated voltage of 800V and a plug with integrated fuse. The other parameters remain unchanged.

KEY FEATURES

A two-stage lever provides an HVIL time delay

2 x integrated internal HVIL

Unique cooling structure

Dual-channel design lowers temperature rise

No tools required to unmate

Various fuse ratings

Receptacle can be front or rear mounted

APPLICATION

It is a tool-free solution for disconnecting the internal high voltage battery pack and protecting it from short circuit.

MECHANICAL

Mating cycles	≥ 50 cycles
---------------	-------------

ELECTRICAL

Fuse specification	up to 630A
--------------------	------------

With fuse:

Rated current	Current is approximately 1/3 the fuse rating (230A Max)
Rated voltage	800V DC

With shunt:

Rated current	230A Max
Rated voltage	1000V DC Max

ENVIRONMENTAL

Protection degree	IP67, IP6K9K (mated)
Ambient temperature	-40°C to 70°C
Storage temperature	-40°C to 85°C
Operating temperature	-40°C to 125°C

STANDARDS

USCAR-2

USCAR-37

LV-215

RoHS

HOW TO ORDER - EXCEL|MATE MSD V

	MSD V	M	350	/
Shell type:				
M: Plug				
Fuse rating current:				
XXX: 200, 250, 315, 350, 400, 450, 500, 550, 630				
(Unit: AMP)				
000: No fuse needed, can directly use the terminal				
Fuse brand (this applies to plugs):				
/ : Bussmann (by default)				
For other brands, please contact us				

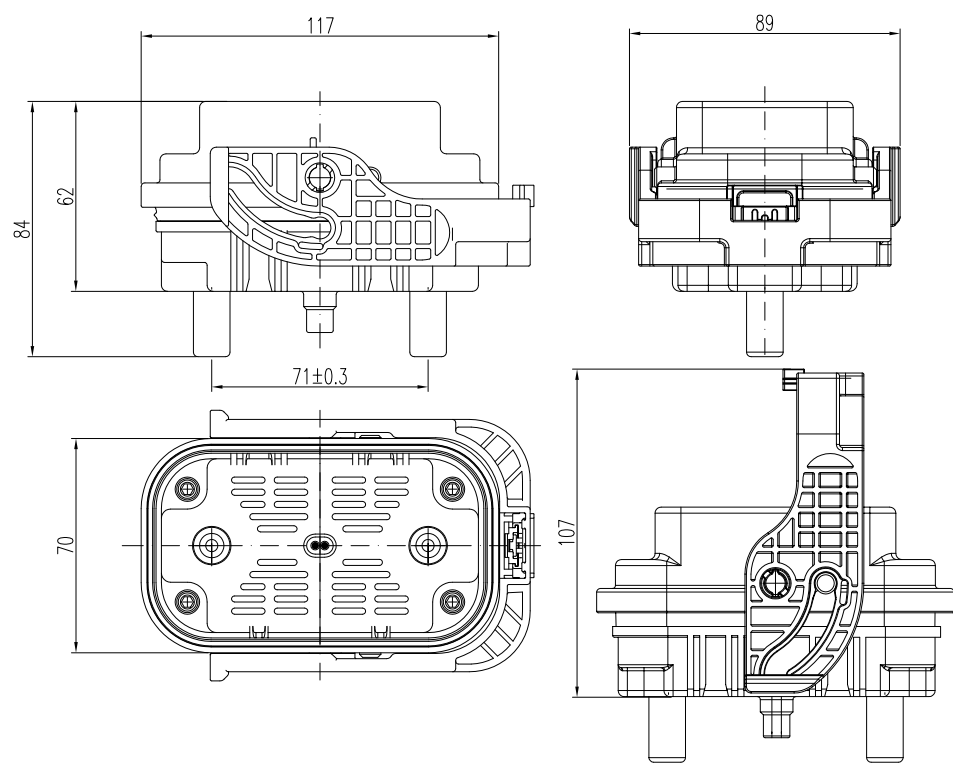


KEY FEATURES

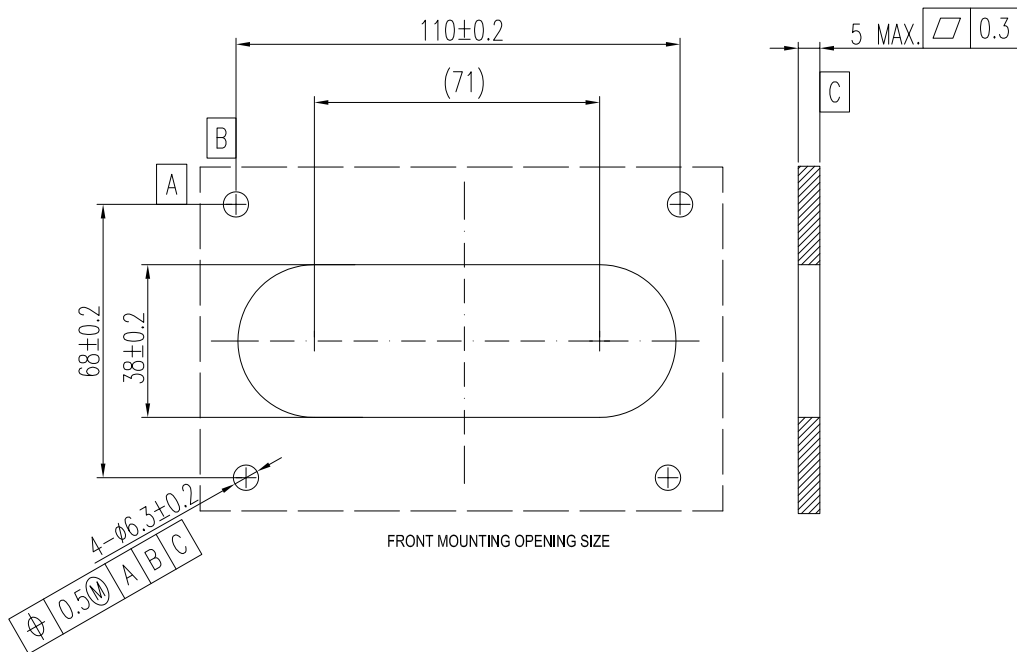
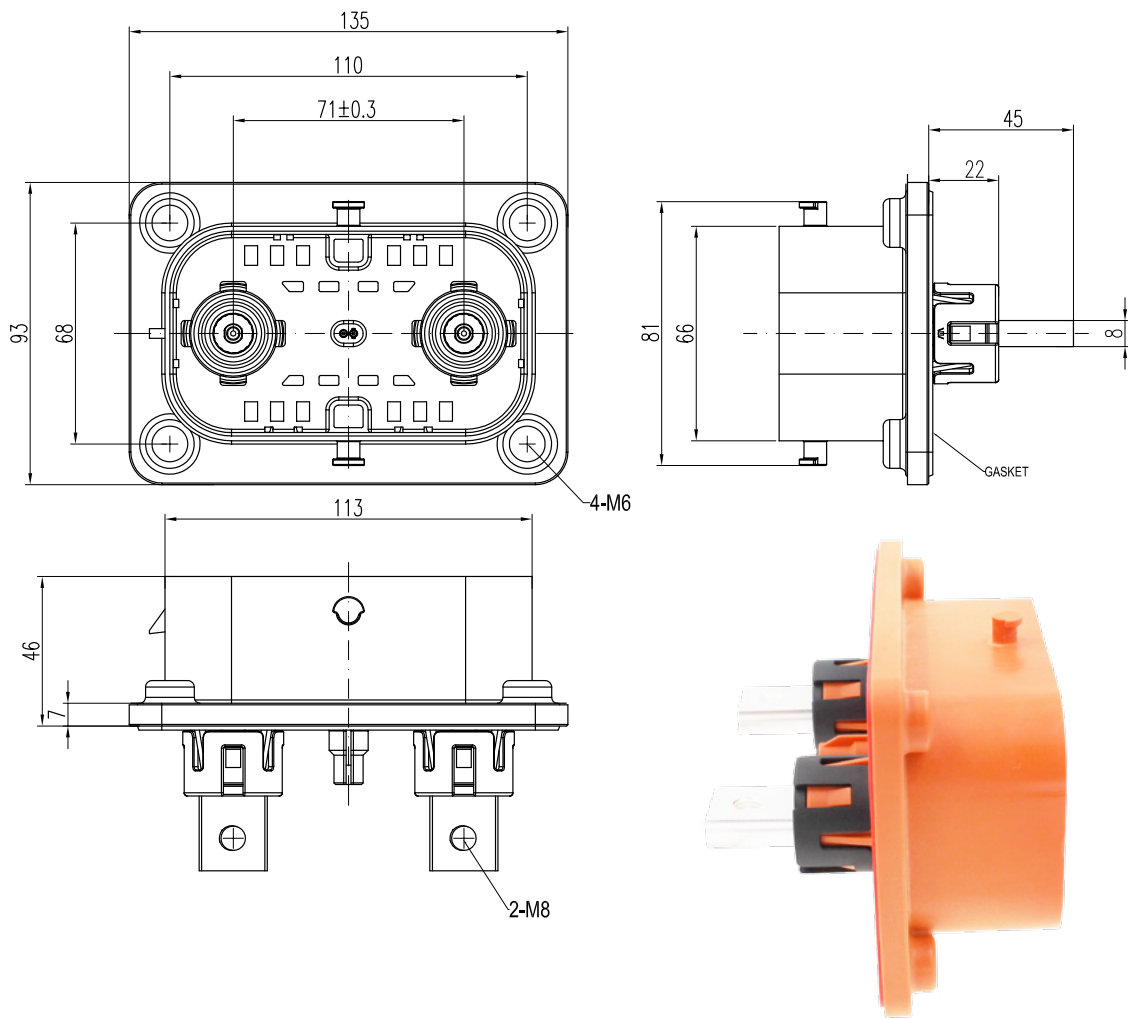
- 1 x integrated internal HVIL
- Unique cooling structure
- High current contacts with Amphenol Radsok technology
- No tools required to unmate
- Various fuse ratings
- Receptacle can be front or rear mounted

APPLICATION	
It is a tool-free solution for disconnecting the internal high voltage battery pack and protecting it from short circuit.	
MECHANICAL	
Mating cycles	≥ 500 cycles
ELECTRICAL	
Fuse specification	up to 630A
With fuse:	
Rated current	300A Max
Rated voltage	1000V DC
With shunt:	
Rated current	300A
Rated voltage	1500V DC Max
ENVIRONMENTAL	
Protection degree	IP67, IP6K9K (mated)
Ambient temperature	-40°C to 70°C
Storage temperature	-40°C to 85°C
Operating temperature	-40°C to 125°C
STANDARDS	
USCAR-2	
USCAR-37	
LV-215	
RoHS	

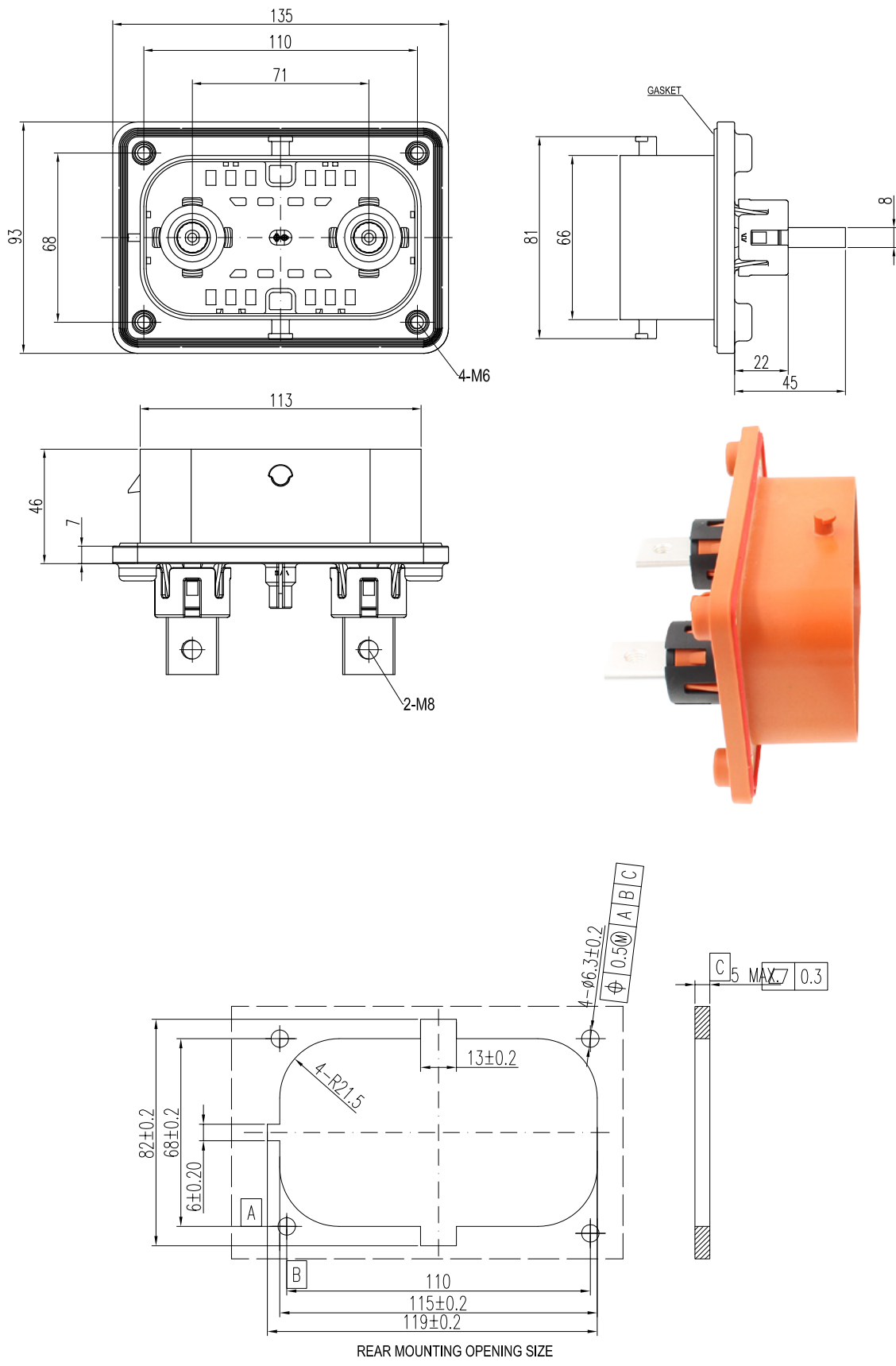
PRODUCT DIMENSIONS



FRONT MOUNTED



REAR MOUNTED



	MSD XL	M	350	/	F
Shell type:					
M: Plug					
F: Receptacle					
Fuse rating current:					
XXX: 160, 200, 250, 315, 350, 400, 450, 500, 550, 630					
(Unit: AMP)					
000: No fuse needed, can directly use the terminal					
Fuse brand (this applies to plugs):					
/ : Bussmann (by default)					
For other brands, please contact us					
Flange mounted type (this applies to sockets) :					
F: Front mounted					
R: Rear mounted					



Amphenol PCD MINI Manual Service Disconnect

Mini MSD has been developed from the standard MSD. Smaller in size and lower in cost, it offers a more compact solution.

Available in a scalable design with a variety of fuse ratings.

EXCEL|MATE MINI MSD - TECHNICAL CHARACTERISTICS



KEY FEATURES

A two-stage lever provides an HVIL time delay

1 x integrated internal HVIL

Unique cooling structure

Dual-channel design lowers temperature rise

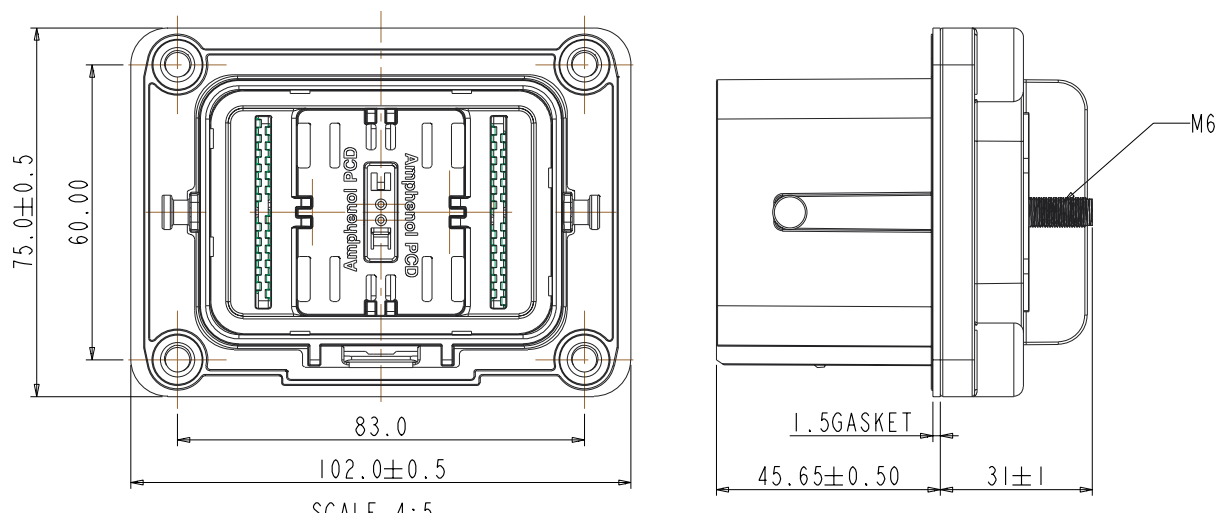
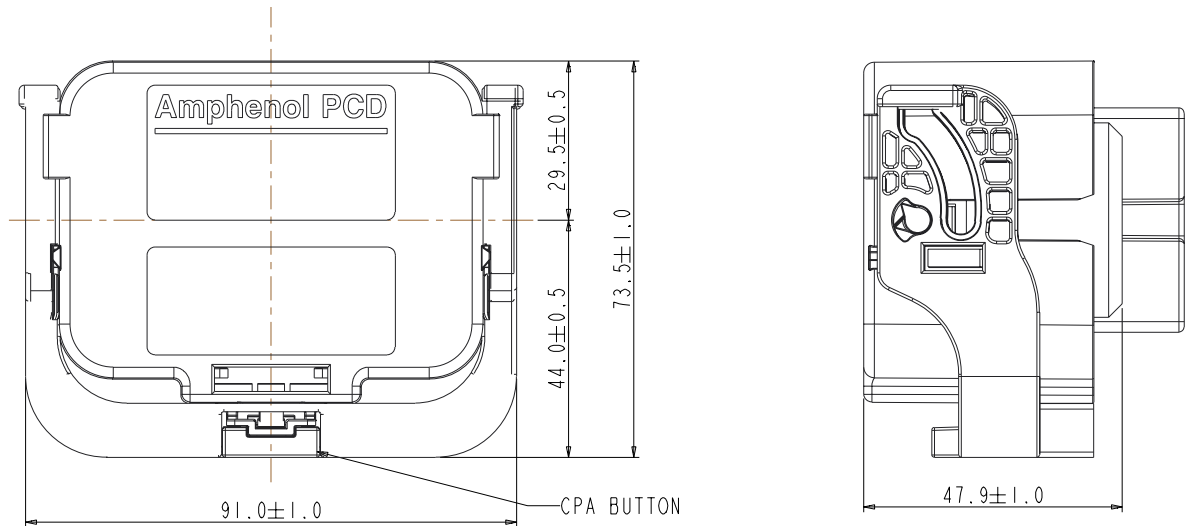
No tools required to unmate

Various fuse ratings

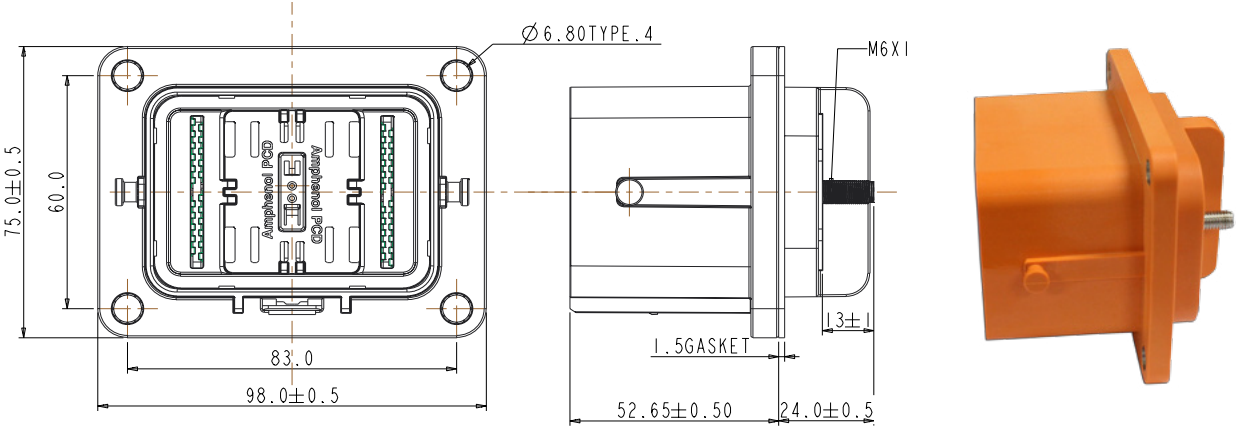
Receptacle can be front or rear mounted

APPLICATION	
It is a tool-free solution for disconnecting the internal high voltage battery pack and protecting it from short circuit.	
MECHANICAL	
Mating cycles	≥ 50 cycles
ELECTRICAL	
Fuse specification	up to 400A
With fuse:	
Rated current	Current is approximately 1/3 the fuse rating (170A Max)
Rated voltage	600V to 700V DC
With shunt:	
Rated current	170A Max
Rated voltage	1500V DC Max
ENVIRONMENTAL	
Protection degree	IP67, IP6K9K (mated)
Ambient temperature	-40°C to 70°C
Storage temperature	-40°C to 85°C
Operating temperature	-40°C to 125°C
STANDARDS	
USCAR-2	
USCAR-37	
LV-215	
RoHS	

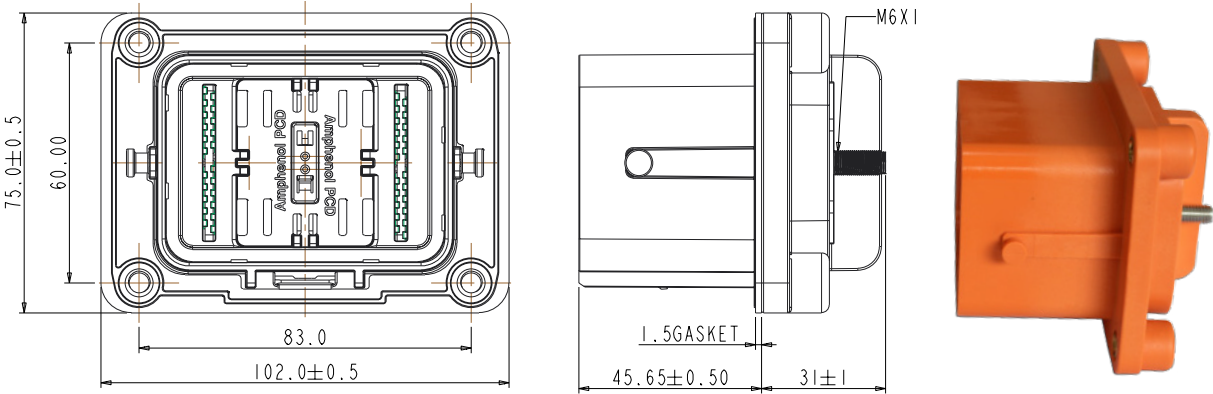
PRODUCT DIMENSIONS



FRONT MOUNTED



REAR MOUNTED



DUST CAP AVAILABLE:
P/N: C270006809



	MINI MSD	M	350	/	F
Shell type:					
M: Plug					
F: Receptacle					
Fuse rating current:					
XXX: 080, 100, 125, 160, 200, 250, 315, 350, 400					
(Unit: AMP)					
000: No fuse needed, can directly use the terminal					
Fuse brand (this applies to plugs) :					
/ : Bussmann (by default)					
1: Other brands (TBD)					
Flange mounted type (this applies to sockets):					
F: Front mounted					
R: Rear mounted					

Amphenol PCD Shenzhen

Building 21
1st Liao Keng Industrial Zone
Shi Yan Street, Bao An District Shenzhen 518108
China

Tel.: +86 755-8173-8000
Fax: +86 755-8173-8180
Email: inquiry@amphenolpcd.com.cn

www.amphenolpcd.com.cn

Notes:

Amphenol PCD Shenzhen has made every effort to ensure that the information contained in this catalog is accurate at the time of publication. Specifications or information stated in this publication are subject to change without notice.

Amphenol PCD Shenzhen reserves the right to clarify this catalog.



**Стандарт
Электрон
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

Минимальные сроки поставки, гибкие цены, неограниченный ассортимент и индивидуальный подход к клиентам являются основой для выстраивания долгосрочного и эффективного сотрудничества с предприятиями радиоэлектронной промышленности, предприятиями ВПК и научно-исследовательскими институтами России.

С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331