

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
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ELECTRICAL

Fuse specification	up to 630A
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With fuse:

Rated current	Current is approximately 1/3 the fuse rating
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Rated voltage	800V DC
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With shunt:

Rated current	260A Max @ Ambient 70°C
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Rated voltage	1000V DC Max
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ENVIRONMENTAL

Protection degree	IP67, IP6K9K (mated)
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Ambient temperature	-40°C to 70°C
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Storage temperature	-40°C to 85°C
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Operating temperature	-40°C to 125°C
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Flammability	UL94V0
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Plug

	MSD V	M	200
Shell type:			
M:	Plug		
Fuse rating current:			
200:	200A		
250:	250A		
315:	315A		
350:	350A		
400:	400A		
450:	450A		
500:	500A		
550:	550A		
630:	630A		
000:	No fuse needed, can directly use the terminal		
Fuse brand:			
Bussmann	(by default), other brands, please contact us.		

Receptacle

	MSD V	1	F	000	F
Contact:					
1:	Improved contact conductivity				
Shell type:					
F:	Receptacle				
Fuse rating current:					
000:	No fuse needed, can directly use the terminal				
Flange mounted type:					
F:	Front mounted				
R:	Rear mounted				