

MSD-H Series Manual Service Disconnect

Main Features

- Designed for high-voltage circuit system maintenance and short-circuit protection;
- Provides a safe and reliable solution for EV power system servicing, functioning both as a maintenance disconnect switch and a short-circuit protection device;
- Allows flexible configuration of the switch current rating by selecting different fuse specifications;
- Features a two-stage stepped opening mechanism, providing sufficient time for system response and ensuring enhanced safety during disconnection;
- Integrated with signal control pins for status monitoring;
- Supports flexible installation options, including front mounting and rear mounting.



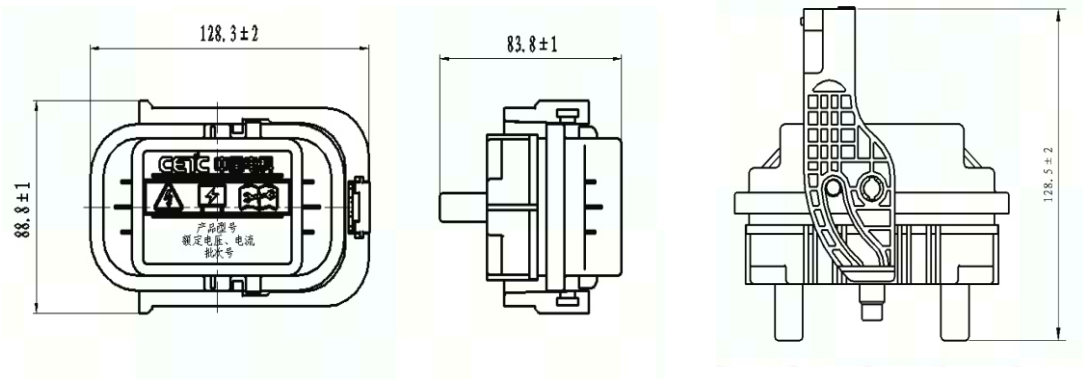
Ordering Code Example

MSD-H T - XXX - X - F			
			Mounting Option (for receptacle only): F - Front Mounting; R - Rear Mounting
			Fuse Brand (for plug only): 1 - Bussmann; 2 - Sino; 3 - Prosemi; 4 - CFriend; 5 - Chnbel; 6 - ASTM
			Fuse Rated Current (for plug only): 160A, 200A, 250A, 315A, 350A, 400A, 450A, 500A, 550A, 630A (Unit: Ampere) 000 indicates no fuse; direct busbar connection is used
			Product Type: T - Plug, Z - Receptacle
			Product Series

Overall Dimensions

MSD-HT (Manual Service Disconnect Plug)

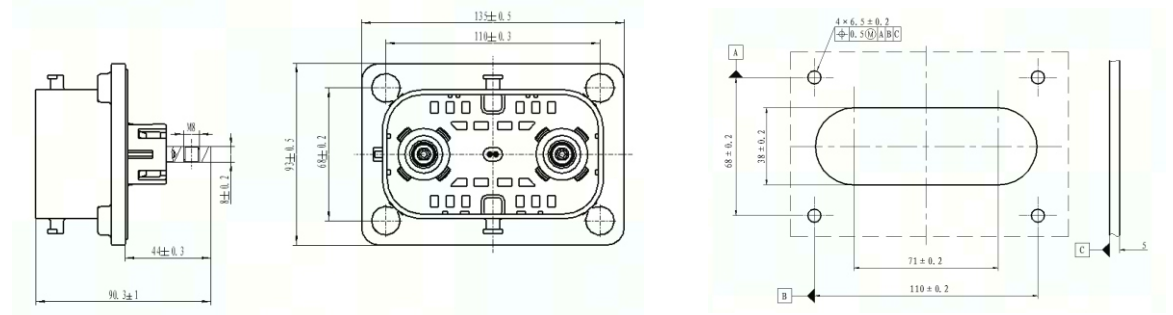
- Outline Dimensions (mm):



Overall Dimensions

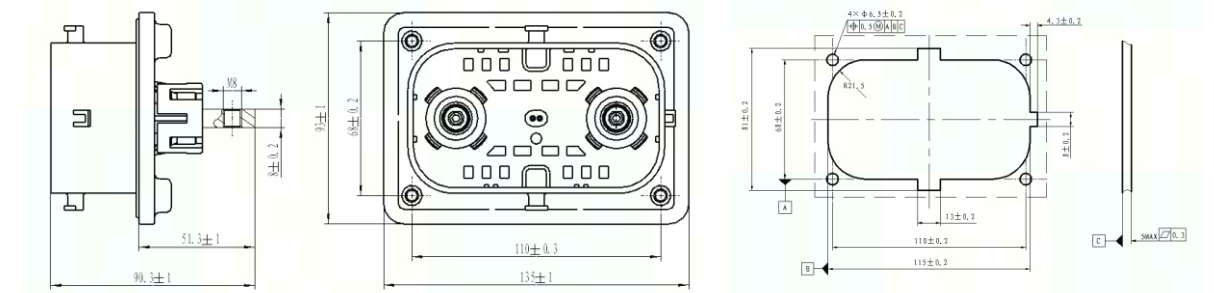
MSD-HZ-F (Manual Service Disconnect Receptacle, Front Mounting)

- Front Mounting Outline Dimensions
- Recommended Panel Cutout Dimensions (mm):



MSD-HZ-R (Manual Service Disconnect Receptacle, Rear Mounting)

- Rear Mounting Outline Dimensions
- Recommended Panel Cutout Dimensions (mm):



Technical Data

Item	Specification
Rated Current	160A ~ 630A
Operating Voltage	1000VDC (with Fuse) / 1500VDC (Direct Busbar Connection)
Dielectric Withstand Voltage	5000VDC
Insulation Resistance	≥5000MΩ
Operating Temperature	-40°C~+125°C
Mechanical Life	500 cycles
Protection Rating	IPX8 (Mated Condition)
Flammability Rating	UL94-V0

Notes

1. The signal circuit connector is shipped with the receptacle-side accessory by default and does not include a cable. Customers can specify the required pressure wire specification, cable length, and terminal type on the other end.
2. For continuous current operation, it is recommended that the current does not exceed 30% – 40% of the fuse rated current.
3. Please consult our product engineers for specific application requirements.
4. The recommended tightening torque for the receptacle mounting screws is 8 N·m.
5. The receptacle is shipped with a protective cover by default. The signal terminal tail is connected with a 0.5 mm² wire.
6. After product disposal, please do not discard it randomly. Dispose of the product properly in accordance with local environmental protection regulations.