

Manual Service Disconnecter (MSD5)



Product Name

order	product name	Product type	fuse type	fuse current/voltage rating	note
1	MSD	RC-MSD5-250A/750V-A-TW	Round tube	250A/750V.DC	
2	MSD	RC-MSD5-280A/750V-A-TW	Round tube	280A/750V.DC	
3	MSD	RC-MSD5-315A/750V-A-TW	Round tube	315A/750V.DC	
4	MSD	RC-MSD5-350A/750V-A-TW	Round tube	350A/750V.DC	
5	MSD	RC-MSD5-400A/750V-A-TW	Round tube	400A/750V.DC	
6	MSD	RC-MSD5-250A/750V-B-TW	Square style	250A/750V.DC	
7	MSD	RC-MSD5-315A/750V-B-TW	Square style	315A/750V.DC	
8	MSD	RC-MSD5-350A/750V-B-TW	Square style	350A/750V.DC	
9	MSD	RC-MSD5-400A/750V-B-TW	Square style	400A/750V.DC	
10	MSD	RC-MSD5-500A/750V-B-TW	Square style	500A/750V.DC	
11	MSD	RC-MSD5-630A/750V-B-TW	Square style	630A/750V.DC	
12	dustproof	8.074.191021	/	/	purchase alone

NOTE:

Protective cover is non-standard part, it can be purchased separately if customer need.

Features/Application

- Annren MSD5 provides stable high voltage power transmission for EV/HEV systems. The fuses in MSD4 provides overcurrent and short-circuit protection.
- Annren MSD5 installs the fuse outside of the box, it's convenient for equipment maintenance and replacing fuse.
- Back installation for option, adopt screw locking.

Technical Specification

Electrical property

contact resistance:
 total power contact resistance $\leq 0.5m\Omega$ (not including fuse resistance)
 current rating: 25A (300A in 30 mins) temperature rise $< 55K$
 voltage rating: 750V DC
 voltage Resistance:
 4000V DC in 1 min, Leakage current $< 0.1\text{ mA}$ (in normal status except fuse)
 Insulation resistance:
 5000m Ω (Normal; test environment temperature $\leq 40^{\circ}C$, humidity 50%RH)
 300m Ω (humidity $\geq 95\%RH$)

Environment Property

Working temperature: $-40^{\circ}C \sim +125^{\circ}C$
 Relative humidity: 95%(40 $^{\circ}C$)
 Sealing: IP68 (plug and socket Insert or state, 1 metre depth, Immerse 48h, no leakage);

Mechanical Property

Mating cycle: 100 times
 Vibration: 10~55GHz, amplitude 0.75mm
 Mechanical shocks: 980m/s 2

Material

Shell: thermoplastic flame-retardant
 Contact: copper alloy silver plated
 Seal: silicon rubber

Ordering information

RC-MSD5-350A/750V -A-TW

A: circular tube fuse, B: rectangle fuse

750V: fuse voltage rating

350A: fuse current rating

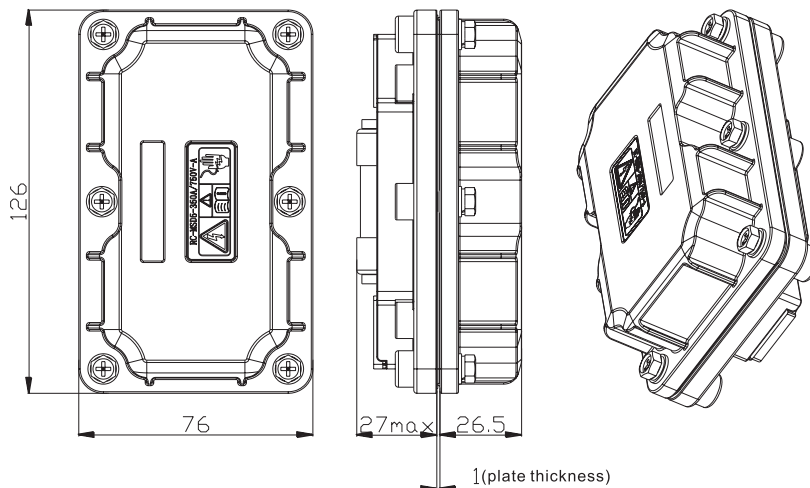
MSD5: Product series

Product Serial

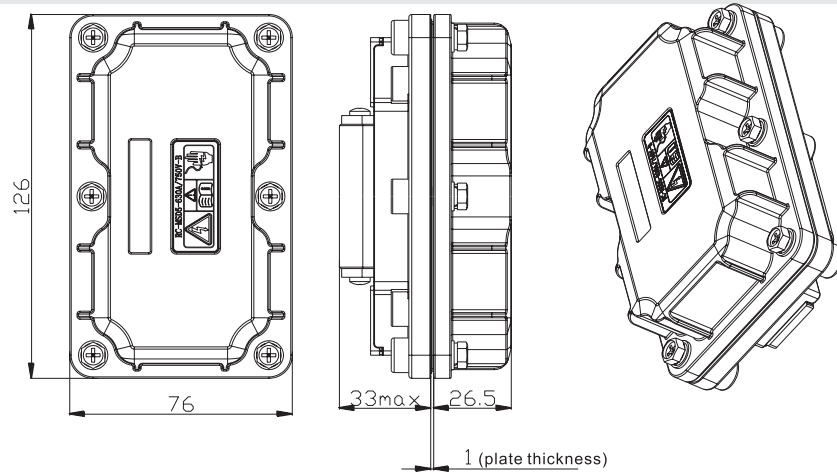
For example, "RC-MSD5-280A/750V-A" MSD5 fuse current rating 280A、fuse voltage rating 750V DC、circular tube fuse.

Size

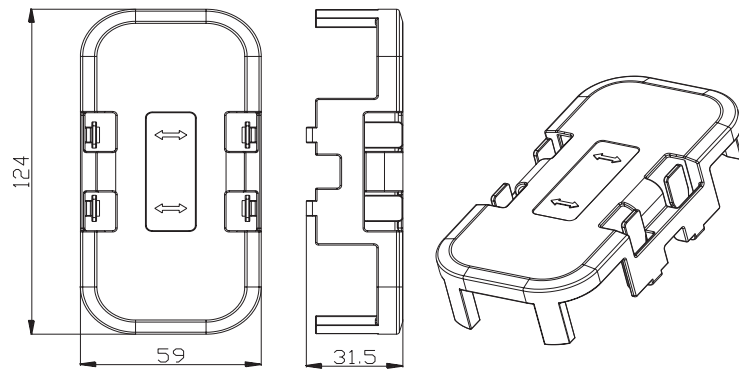
circular tube fuse type



Rectangle fuse type

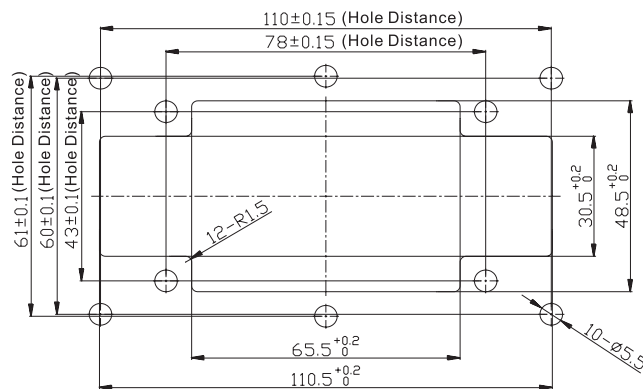


Dustproof



Size

Recommend Mounting Hole Dimension



NOTE:

1. In order to meet the requirement of protection level, the roughness of panel should be not less than 1.6, flatness should be not less than 0.2.
2. The end of socket and copper platoon or cable connected is recommended M8*20 type.