

Manual Service Disconnect (MSD)

■ Applications

High voltage connection system Manual Service Disconnect

Short circuit protection

■ Mechanical

Unlock mode: Two stage unlock, no tool required

Durability: ≥ 100 mating cycles

HVIL type: 2 sets Integrated internal HVIL

■ Electrical

Fuse Voltage rating : 800VDC(MSD700 series); 600 to 750VDC(Mini MSD Series)

Fuse Current rating(MSD700 Series) : Up to 630A,depends on fuse

Fuse Current rating(Mini MSD Series) : Up to 500A,depends on fuse

Voltage rating without fuse : 1500VDC

Current rating without fuse : 350A(MSD700 Series), 250A(Mini MSD Series)



■ Environmental

Protection grade: IP67(mated) , IP6k9k ;

Operating temperature : -40°C to 125°C

Storage temperature : -40°C to 85°C

■ Cables

HV cables : 16 to 70mm² HVIL cables : 0.5mm²

■ Standards

SAE J1742/J2223,USCAR-2,USCAR-37,

ROHS,LV-215,IEC60529

■ Product selection

| Product Mode | Mini MSD Series |
|--------------|--|
| | |
| Plug | CL-Mini MSDP80/100/125/160/200/250/315/350/400/450/500/000 |
| Socket | CL-Mini MSDSF(Front mounting); CL-Mini MSDS(Rear mounting) |
| Product Mode | MSD700 Series |
| | |
| Plug | CL-MSD700P125/160/200/250/315/350/400/500/550/630/ 000 |
| Socket | CL-MSD700SF(Front mounting); CL-MSD700S(Rear mounting) |