

DSDC

new product description

DSDC Series: Direct Current Rated Plugs & Receptacles

**Ratings:**

250 VDC: 20A – 200A

600 VDC: 15A – 100A

750 VDC: 10A – 30A



DSDC devices are designed to maximize safety, performance and durability:

Safety

- Standard padlockable pawl feature enables locking in the connected or disconnected mode. A thumbscrew locking feature is provided on DSDC2 models to help prevent unintended disconnection under load.
- Dead front safety shutter prevents user access to live parts.
- Jumpers provided on 600 VDC and 750 VDC models as a safety precaution to split the arc in case of accidental disconnection under load.

Performance and Durability

- Solid silver-nickel contact surfaces provide superior conductivity, durability, and corrosion resistance.
- Spring-loaded butt-style contacts ensure optimal contact force over thousands of operations.

Industry application examples:

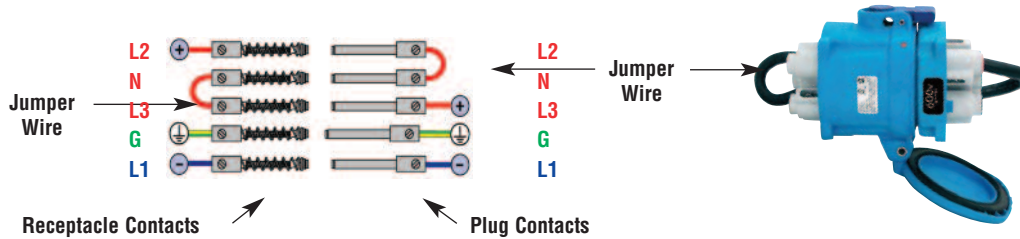
- Solar Power Farms: Panel connections
- Wind Farms: power distribution
- Data centers: power distribution, uninterruptible power supplies (UPS)
- Industrial facilities: Battery charging, lifting magnets and DC motor connections (note: DSDC is not switch-rated)
- Gensets/Generators



highlighted features

Jumpers provided on 600 VDC and 750 VDC models

Jumpers are required on all 600 VDC and 750 VDC models as a safety precaution to split the arc in case of accidental disconnection under load. Plugs and receptacles are provided with jumpers installed. Receptacles utilize a jumper between N and L3 poles. Plugs utilize a jumper between L2 and N poles.



Receptacle Lockout Hole



All DSDC models are provided with a lockout hole in the pawl. This feature allows locking of the receptacle to prevent accidental disconnection of the plug under load.

faq

Is the DSDC switch rated?

No the DSDC is not switch rated. The DSDC is not for current interrupting.

Is the DSDC UL or CSA listed?

The DSDC is UL 1682 listed as a plug and receptacle up to and including the 600 VDC rated models. The 750 VDC rated devices have passed all appropriate performance tests but are not UL listed because the standard only covers devices up to 600V. The DSDC1, DSDC3, DSDC6 and DSDC9 are CSA rated up to 250 VDC.

Can I get a sample for a sales demo?

We do not anticipate a need for sales demos since the DSDC looks virtually the same as a DS device. Visually the differences are that a lockout hole in the pawl is standard and jumpers are provided on 600 VDC and 750 VDC models. If you feel a sales demo is needed, please contact your regional sales manager.

Is the DSDC in the catalog?

Yes the DSDC is shown in the new 2011-2012 catalog. However, DSDC pricing is not in the 2011 price list.