



Features and Ratings	p. 34
DS20	p. 35
DS30	p. 37
DS60	p. 39
DS100C	p. 41
DS100	p. 43
DS200	p. 45
Spare parts	p. 47
Dimensions	p. 49



Switch rated plugs and receptacles

DS Series Deconnectors provide a useful combination of capacity and ruggedness. DS are often used to connect motors and welders in the metals, quarry, automotive, and mining industries. They are designed for applications requiring large wiring capacities. The DS's NEMA 3R rating is achieved as soon as the plug and receptacle are fully engaged, making them an excellent choice for outdoor applications where rainproof performance is required.

Main Advantages

- ▼ Switch & Hp rated (AC only)
- ▼ 65 kA to 100kA short circuit rated*
- ▼ Up to 5 auxiliary contacts
- ▼ Amperage ratings up to 200A
- ▼ Metal or Poly construction

Highlighted Advantage

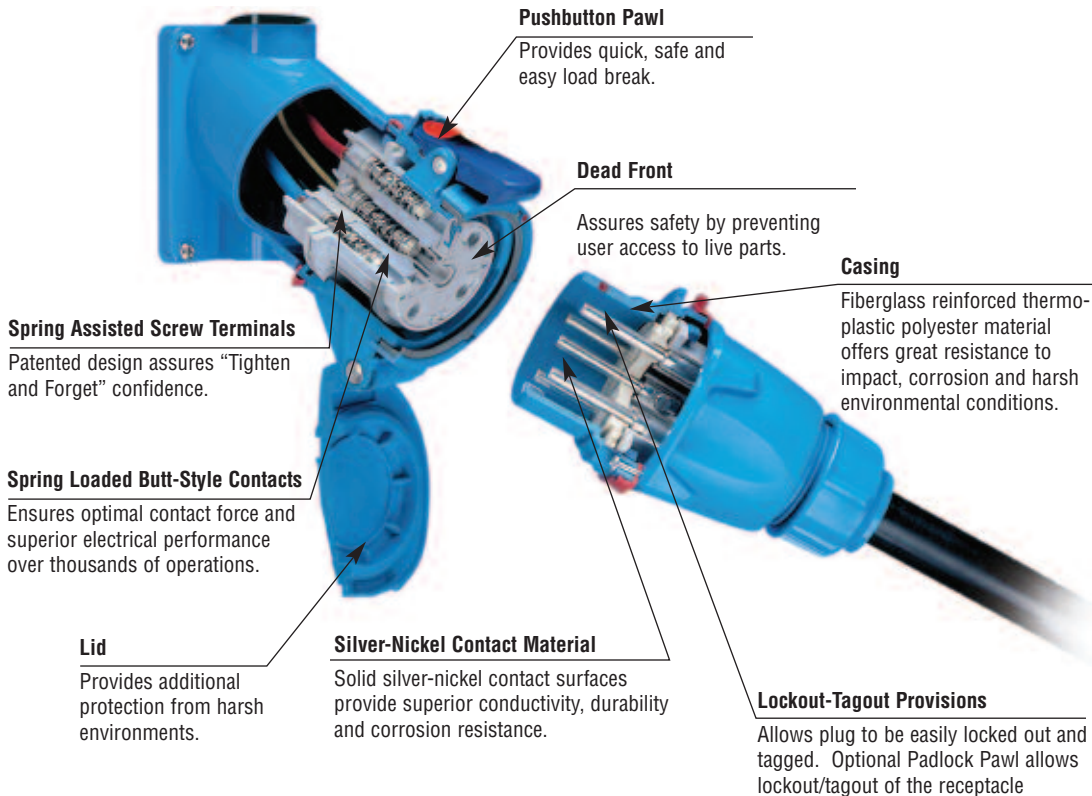
Simplify NFPA 70E Compliance

See pgs 17-18 for more information



* See note under General Ratings on the next page

Product Features



General Ratings

Amperage	20 to 200A
Voltage	600 VAC (480 VAC for DS200) 250 VDC
Frequency	50-400 Hz
Horsepower	1/2 to 25 hp
Short-Circuit (Make & Withstand)	65kA to 100kA*
Environmental	NEMA 3R, IP54/55**
Temperature	min -40°F/max 140°F

* DS20, 30, 60 & 100C are rated 100kA. Testing was performed with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity associated with the devices hp rating.

* DS100 & 200 are rated 65kA. Testing was performed with RK5 time delay fuses sized at 100% of the devices rated ampacity.

** IP54 rated when receptacle and plug are mated, when not mated receptacle alone is IP55 rated provided that the lid is latched closed.

Listings

Category	UL	CSA	IEC
Plugs and Receptacles	UL 1682	C22.2 No. 182.1	60309-1
Branch Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tested to UL 98)	UL Subject 2682	60947-3, AC22, AC23
Motor Circuit Disconnect Switching (AC only)	UL Subject 2682 (Performance tested to UL 508)	UL Subject 2682	

CE ratings available upon request

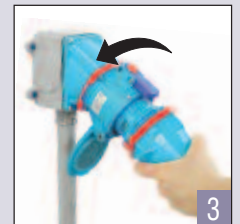
Operating Instructions



When the plug and receptacle are latched together, the circuit is connected.



Pressing the pawl causes the DECONTACTOR to break the circuit. The plug is ejected to its rest position; its contacts are now dead.



Rotating the ‘dead’ plug 30° counterclockwise closes the safety shutter and frees the plug to be withdrawn from the receptacle.

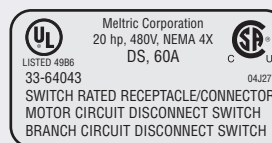


The plug and the receptacle are separated. The safety shutter prevents access to live parts.

5 To reconnect, insert plug into receptacle, rotate 30° clockwise, and apply insertion force.

Highlighted Feature

Typical Device Labels



DS Decontactors are UL & CSA rated for “motor circuit” and “branch circuit” disconnect switching – up to 25 hp and up to 200A