



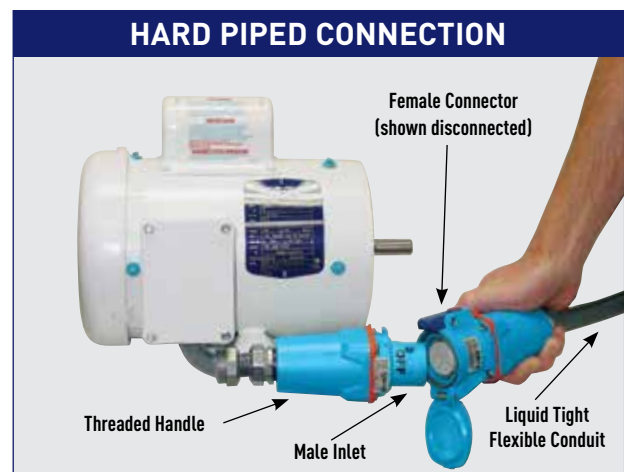
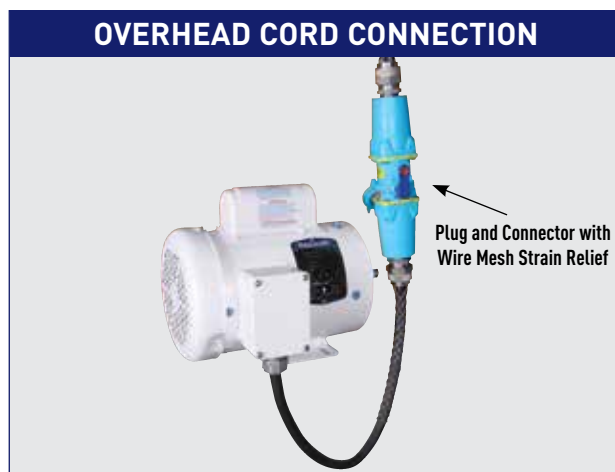
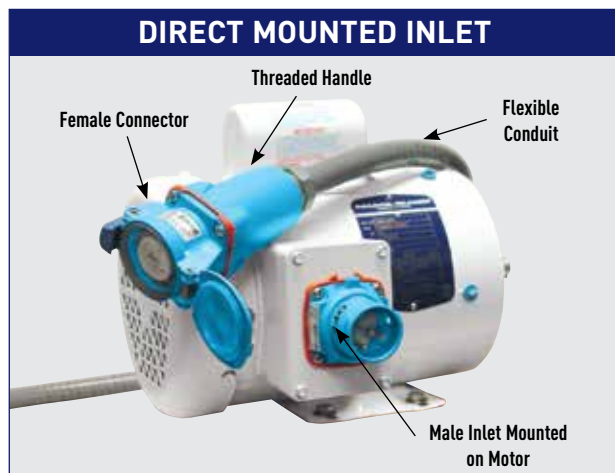
MELTRIC

MOTOR CONNECTION GUIDE

Meltric Decontactor Series Motor Plugs are a combination plug & receptacle and disconnect switch in the same device. With their UL and CSA switch ratings, Decontactors provide users with a cost effective and convenient means of providing the NEC required 'line of sight' disconnect. They also help to significantly reduce motor change-out downtime by combining plug and play simplicity with the safety of a dead-front switch. Motors that are pre-wired with a plug or inlet can be connected simply by being plugged in, and because there is no access to live parts, the need for NFPA 70E required arc-flash hazard analysis and associated PPE is eliminated.

Decontactors can be installed in a number of ways, making it easy to accommodate the requirements of the application and preferences of the user. Examples of common installation practices are shown below.

TYPICAL MOUNTING CONFIGURATIONS



SELECTING THE RIGHT DECONTACTOR™ SERIES

TESTS PASSED

Per UL Subject 2682 Switch-Rated Plugs and Receptacles

Electrical Endurance (With Load)
6000 Cycles @ Rated Current & Voltage (p.f. = .75 - .80)
Overload - Locked Rotor (Horsepower Rated Devices)
50 Operations @ 600% of Full Load Motor Current (p.f. = .40 - .50)
Overload (General Use Devices)¹
50 Operations @ 150% of Rated Current (p.f. = .75 - .80)
Short Circuit Withstand
≥ 10 kA* (600V and ≤ .50 power factor)
Short Circuit Make
≥ 10 kA* (600V and ≤ .50 power factor)
Voltage Withstand
1000V + 200% of Device Rating
Temperature Rise
< 30°C

¹ DS100 and DS200 models.

* Minimum 65kA ratings were achieved by all DSN, DS and DB Series plugs and receptacles.



DSN Series

Choose DSN Series for its...

- ▶ Compact, lightweight design
- ▶ Automatic Type 4X watertightness

Common Applications

- ▶ Wet or washdown environments
- ▶ Plug & play electrical connections



DS Series

Choose DS Series for its...

- ▶ High amperage range (up to 200A)
- ▶ Poly or metal casing materials (60A and above)
- ▶ Larger conductor capacities

Common Applications

- ▶ Heavy industry
- ▶ High amperage equipment



DB Series

Choose DB Series for its...

- ▶ High HP ratings (up to 60 hp)
- ▶ Robust, heavy duty construction

Common Applications

- ▶ Motors with frequent make and break requirements
- ▶ Harsh environments