MELTRIC'S DECONTACTOR™ SERIES

Now UL 2682 Listed! ...with ratings up to 60 hp, 200A and NEMA 4X & IP66/67

Push Button Load Break

It's a...
Switch

Approved as an NEC 'Line of Sight' Disconnect

- UL & CSA switch rated per UL Subject 2682

  Listed as: *Branch Circuit Disconnect Switch*
  Motor Circuit Disconnect Switch

Silver-nickel Butt Contacts

Safe, Convenient Connections

It's a...
Plug & Receptacle

Superior Safety with Dead Front Construction

- UL 1682 & UL 1686
- CSA C22.2 No. 182.1

Plug & Play Simplicity

It's the World's Only...
UL 'SWITCH RATED PLUG & RECEPTACLE'

UL Subject 2682 is a new standard that UL has established for products, like **Meltric's Decontactor Series**, that provide the performance and capabilities of disconnect switches in the form of a separable plug & receptacle connector. This standard combines electrical performance tests of switching capabilities from UL 98 (Enclosed & Dead Front Switches) and UL 508 (Industrial Control Equipment) with the plug & receptacle requirements in UL 1682.

Key Performance Tests – UL Subject 2682 – Switch Rated Plugs & Receptacles

- **Short-Circuit Withstand:** *≥ 65kA (600V and < .15 PF)*
- **Short-Circuit Make:** *≥ 65kA (600V and < .15 PF)*
- **Overload-Locked Rotor:** *50 operations @ 600% of full load motor current (PF = .40 - .50)*
- **Overload - General Use Devices:** *50 operations at 150% of rated current (PF = .75 - .80)*
- **Temperature Rise:** *< 30°C*
- **Voltage Withstand:** *1000 V + 200% of rated voltage*
- **Electrical Endurance:** *6000 cycles @ rated current & voltage (PF = .75 - .80)*

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The Decontactor **ADVANTAGE**

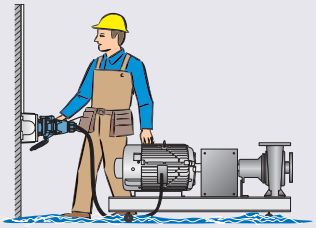
Meltric's **DS, DSN** and **DB** Decontactor™ Series products combine the safety and performance of a disconnect switch with the convenience of a plug & receptacle. With their switch ratings and other unique features, Decontactors are the ideal power connection for both resistive and inductive loads and provide users with significant advantages relative to hard-wiring or connections made with pin & sleeve or twist-type devices.

Eliminate Sources of Arc Flash Exposure

Load making & breaking is performed in enclosed arc chambers, the plug cannot be removed until after the electrical connection has been safely broken, and the dead front prevents unintended access to the receptacle contacts.

Ensure User Safety

Switch rated Decontactors allow users to safely connect or disconnect electrical equipment - even under overload conditions.

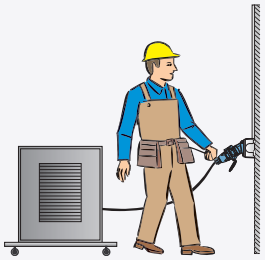


Improve Reliability

Spring-loaded, butt style contacts ensure that a secure connection is maintained over thousands of operations. Solid silver-nickel contacts resist wear and welding and maintain superior electrical performance in harsh environments.

Easily Comply with NFPA 70E

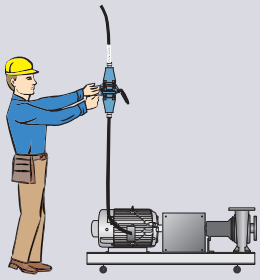
The receptacle's dead front and the elimination of potential arc flash exposure ensures the electrically safe work condition required to comply with NFPA 70E.



With Decontactors, the need for flash hazard analysis and the associated PPE is avoided.

Simplify NEC Code Compliance

Decontactors are an approved NEC 'line of sight' disconnect and can be configured for wall-mounted, in-line, or equipment mounted applications.



Decontactors provide users with maximum flexibility in providing their required disconnects.

Simplify Process Monitoring & Control Circuits

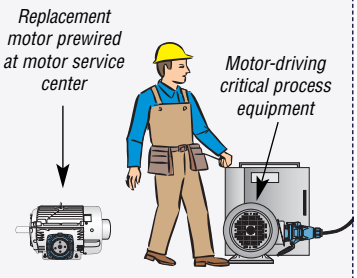
Decontactors are available with up to 5 auxiliary contacts. These contacts make last and break first, allowing users to combine control and power circuits in the same convenient plug & play connection.

Eliminate Interlocks & Auxiliary Disconnects

Decontactors are designed and rated for disconnect switching. Thus, the need for the expensive interlocks and safety switches that are required with other connection devices is eliminated.

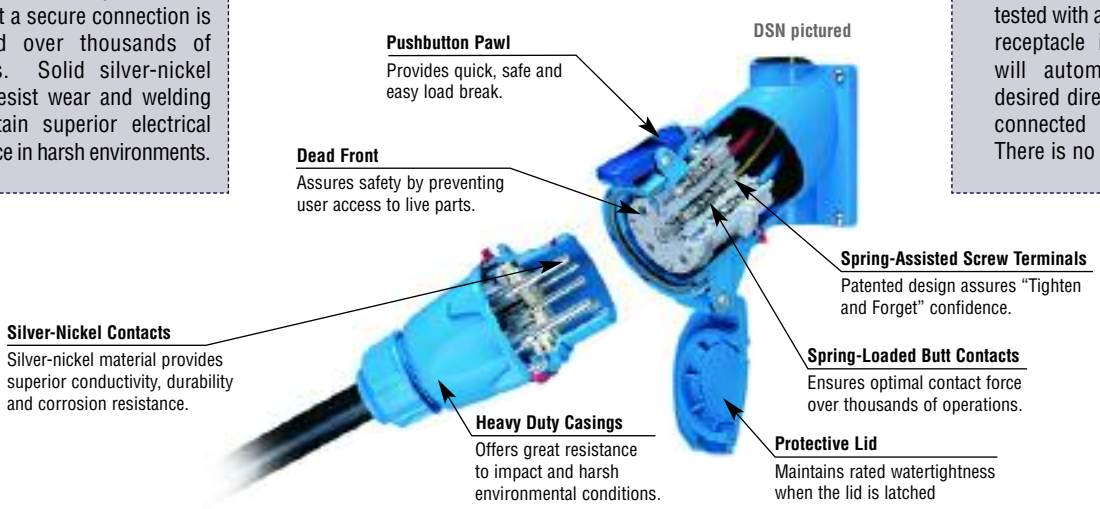
Reduce Equipment Change-out Time

With Decontactor connections, non-electrical personnel can replace motors with plug & play simplicity.



Ensure Proper Motor Rotation

Motors that are pre-wired and tested with an appropriately phased receptacle in the service center will automatically provide the desired direction of rotation when connected (plugged in) on site. There is no need to jog the motor.



Meltric CORPORATION®

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