MELTRIC’s Switch-Rated Motor Plugs are a combination plug & receptacle and disconnect switch in the same device. With their UL and CSA switch ratings, they provide users with a cost effective and convenient means of providing the code 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.

Switch-Rated plugs and receptacles from MELTRIC 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.
**DECONTACTOR® Technology**

- **OFF Button**
  - Press to deenergize. Provides push button circuit disconnection.

- **Spring Assisted Screw Terminals**
  - Patented design assures “Tighten and Forget” confidence.

- **Spring-Loaded Butt-Style Contacts**
  - Ensures optimal contact force and superior electrical performance over thousands of operations.

- **Dead Front Safety Shutter**
  - Assures safety by preventing user access to live parts.

- **Lid**
  - Provides 4X/IP69/IP69K watertightness for additional protection in harsh environments.

- **Casing**
  - Fiberglass reinforced thermoplastic polyester material offers great resistance to impact, corrosion and harsh environmental conditions.

- **Lockout-Tagout Provisions**
  - Allows plug to be easily locked out and tagged. Optional Padlock Paw® allows lockout/tagout of the receptacle.

- **Silver-Nickel Contact Material**
  - Solid silver-nickel contact surfaces provide superior conductivity, durability and corrosion resistance.

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**DSN 20–150 A, 600VAC (3/4 to 75 hp)**

- UL/CSA listed
- Compact, lightweight design
- Type 4X, IP69, IP69K
- Up to 6 auxiliary contacts
- Fiberglass reinforced Polyester casings (DSN150 - poly or metal)
- 100kA/10kA short-circuit rated

**DS 20–200 A, 600VAC (3/4 to 100 hp)**

- UL/CSA listed
- Rugged construction
- Type 3R (4X optional)
- Up to 6 auxiliary contacts
- Fiberglass reinforced Polyester or Metal casings
- 100kA/65kA short-circuit rated

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**PERFORMANCE TESTS PASSED**

**Per UL Subject 2682 Switch-Rated Plugs & Receptacles**

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

1 DS100 and DS200 models
* Minimum 65kA ratings were achieved by all DSN and DS Series plugs and receptacles