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.

**TYPICAL MOUNTING CONFIGURATIONS**

**DIRECT MOUNTED INLET**
- Female Connector
- Threaded Handle
- Flexible Conduit
- Male Inlet Mounted on Motor

**WALL MOUNTED CONNECTION**
- Junction Box with 30° Angle
- Female Receptacle
- Male Plug & Nylon Handle with integral Cable Grommet

**OVERHEAD CORD CONNECTION**
- Plug and Connector with Wire Mesh Strain Relief

**HARD PIPED CONNECTION**
- Female Connector (shown disconnected)
- Threaded Handle
- Male Inlet
- Liquid Tight Flexible Conduit
**PRODUCT FEATURES AND SPECS**

**DECONTACTOR™ Technology**
- **OFF Button**: Press to deenergize. Provides push button circuit disconnection.
- **Dead Front Safety Shutter**: Assures safety by preventing user access to live parts.
- **Lid**: Provides 4X watertightness for additional protection in harsh environments.
- **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.

**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.

---

**DSN 20-150A (1/2 to 75 hp)**
- Compact, lightweight design
- Type 4X, IP69
- Up to 6 auxiliary contacts
- Fiberglass reinforced Polyester casings
- ≥65kA short circuit rated

**DS 20-200A (3/4 to 100 hp)**
- Rugged construction
- Type 3R (4X optional)
- Up to 6 auxiliary contacts
- Fiberglass reinforced Polyester or Metal casings
- ≥65kA short circuit rated

---

**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, DS and DB Series plugs and receptacles

---

* A new DS200 model with 100 hp rating is expected to be launched in Q2 2018. Visit meltric.com or call customer service for details.