MELTRIC Switch-Rated plugs and receptacles provide reliable, long-lasting plug and play motor connections. Our Switch-Rated technology combines the safety of a switch with the convenience of a plug and receptacle in one device. A qualified technician can safely and easily change out a MELTRIC pre-wired motor, without waiting for an electrician, suiting up in PPE, or performing voltage testing. MELTRIC motor changeouts can reduce downtime by up to 50% saving both time and money. Our Switch-Rated devices are UL/CSA listed for branch and motor circuit disconnect switching, they meet NEC requirements as a 'line-of-sight' disconnect switch, and built-in Lockout/Tagout provision simplifies OSHA and NFPA 70E lockout/tagout requirements.

A variety of mounting configurations are available for convenient installation wherever you need an electrical connection. Common examples are shown below.

**TYPICAL MOUNTING Configurations**

**DIRECT MOUNTED INLET**
1. Female Connector
2. Threaded Handle
3. Flexible Conduit
4. Male Inlet Mounted on Motor

**WALL MOUNTED CONNECTION**
1. Female Receptacle
2. Junction Box with 30° Angle
3. Male Plug and Poly Handle with Integral Cable Grommet

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

**HARD PIPED CONNECTION**
1. Female Connector (shown disconnected)
2. Threaded Handle
3. Male Inlet
4. Liquid Tight Flexible Conduit

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### PRODUCT FEATURES AND SPECS

**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 Type 4X/IP69/IP69K 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.

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

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

**DSN 20-150A (Up 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 20-200A (Up 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 ratings+

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**PERFORMANCE TESTS PASSED**
Per UL Subject 2682 Switch-Rated Plugs and 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 Make and Withstand</th>
<th>Voltage Withstand</th>
<th>Temperature Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>6000 Operations @ Rated Current and 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>≥10kA*, 600V and &lt; .15 PF *Device ratings range from 10kA to 100kA.</td>
<td>3000 VAC for 1 minute</td>
<td>&lt; 30°C</td>
</tr>
</tbody>
</table>

*Visit meltric.com for full ratings information.

*All MELTRIC Switch-Rated devices are UL listed with short circuit ratings of at least 65kA achieved at 600 VAC and ≤ .15 power factor.

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