

WATER & WASTEWATER SOLUTIONS



Featuring:
SWITCH-RATED PLUGS & RECEPTACLES
WITH DECONTACTOR™ TECHNOLOGY



MELTRIC Switch-Rated Plugs & Receptacles – 20 to 200A

MELTRIC's Switch-Rated plugs and receptacles combine the safety and functionality of a switch with the convenience of a plug and receptacle. They help water and wastewater treatment plants ensure worker safety while also reducing equipment and labor costs. They are UL & CSA rated for motor circuit and branch circuit disconnect switching and meet code requirements for 'line of sight' disconnects. Switch-rated plugs & receptacles eliminate the need for expensive auxiliary disconnects and enable plug & play equipment changeouts.

DECONTACTOR™ Technology

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

Spring Assisted Screw Terminals
Exclusive design assures "Tighten and Forget" confidence.

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

Lid
Provides 4X watertightness for additional protection in harsh environments.

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

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 Pawl allows lockout/tagout of the receptacle.

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

- Allow easy NEC, NFPA 70E and CSA Z462 code compliance
- Functions as a 'line of sight' disconnect switch
- Safely makes and breaks resistive or inductive loads

DSN 20-150A (1/2 to 75 hp)



- Compact, lightweight design
- Type 4X, IP66/IP67
- Up to 6 auxiliary contacts
- Fiberglass reinforced Polyester casings
- 100kA 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*

* DS100C are expected to be rated up to 50 hp in Q3 2017. DS200 are expected to be 100hp in Q1 2018. Visit meltric.com to confirm rating.

Common Product Accessories

Handles



Angles & Boxes



Pawls



Adapter Plates



Application Spotlights

MELTRIC Switch-Rated Plugs & Receptacles

Remote Lift Station Connections

Switch-rated plugs & receptacles enable qualified maintenance personnel to safely connect power to lift stations.



Easy LOTO - Standard provisions allow the plug to be easily locked out. A receptacle option allows locking in the closed position.

LOCKOUT HASP

Submersible Pumps

Connect mixers and pumps with plug & play simplicity. 'Automatic watertightness' feature provides environmental protection as soon as the plug is mated to the receptacle.



A dead front safety shutter on the receptacle prevents worker exposure to live parts and arc flash.

Floating Aerators, Mixers, Pumps

Quickly disconnect power, service or replace equipment and reconnect power. Switch-Rated devices provide an "inline switch" when used on extension cords.



Disconnecting a Switch-Rated plug & receptacle is a NFPA 70E defined "Normal Operation". No PPE is required.

Critical Motor Connections

MELTRIC's Switch-Rated plugs & receptacles utilize motor starter contact technology, allowing users to safely make and break motor loads up to 75 hp



Switch-rated plugs & receptacles function as the code required line of sight disconnect switch, eliminating the need for auxiliary disconnects.

Featured Application Spotlight: Submersible Mixers



Switch-rated plugs & receptacles allow mixers to be connected and disconnected safely with plug-and-play simplicity. Mechanics can easily replace or service the mixers without the need for cumbersome PPE (personal protective equipment) because the switch-rated plugs and receptacles meet NFPA 70E's 'Normal Operation' definition.

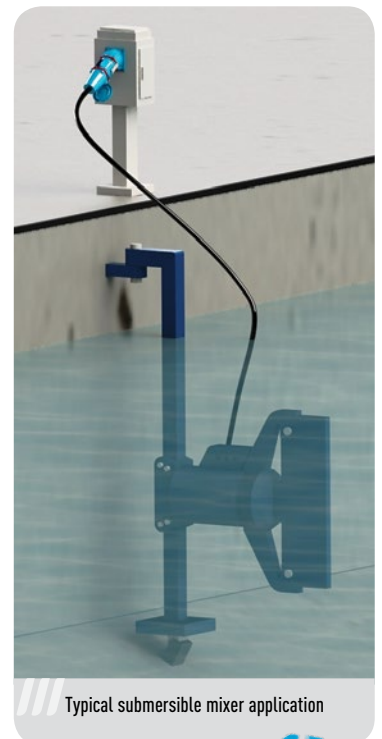
Disconnecting a motor becomes a simple operation that is initiated by pressing the pawl on the receptacle, which causes it to break the circuit and eject the plug to its rest position. Then, a simple quarter-turn of the plug allows it to be totally withdrawn from the receptacle in complete safety, since the circuit is already dead. When the plug and receptacle are separated, a safety shutter prevents access to live parts and the plug can be easily locked out.

Durability is ensured by UV resistant casings and an 'automatic watertightness' feature that provides environmental protection up to IP69k. The plugs and receptacles utilize spring-loaded, silver-nickel butt-style contacts for superior electrical performance over thousands of operations and are resistant to wear, corrosion, oxidation and other factors that contribute to premature failure of pin and sleeve-type devices in water/wastewater facilities.

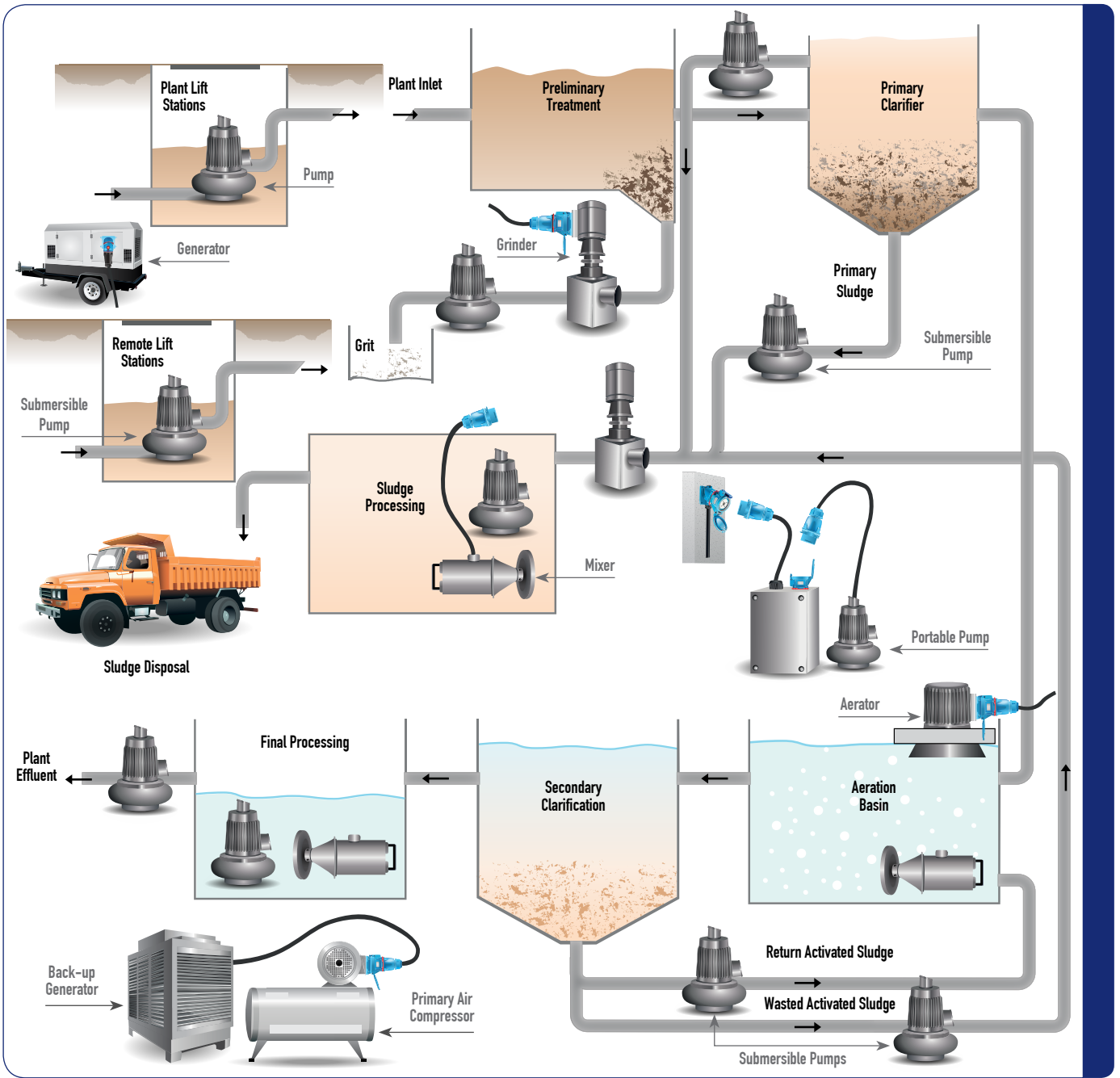
Customer Testimonial:

"When the first mixer failed, we had to shut everything off and disconnect all the wiring before we could pull it out and drop in a replacement. If one failed on a weekend, the weekend staff couldn't handle it, so we either had to wait until Monday or call in an electrician. Now we just pull the plug, crank the mixer up and plug in a new one. We're ready to go in minutes, and there's never any exposure to live power."

Assistant Water Systems Manager – Wisconsin



MELTRIC Plugs & Receptacles are Ideal for Connecting Power Throughout Your Plant



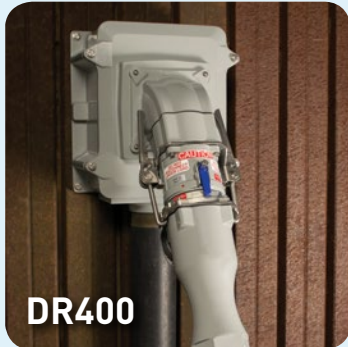
Feature Spotlight:



Many MELTRIC devices are available with optional auxiliary/pilot contacts. These integral pilot contacts allow users the convenience and flexibility of controlling auxiliary equipment, monitoring parameters (such as motor temperature), and/or communicating alarms through the same plug and receptacle used to supply power to the equipment. Because the pilot contacts are integral, they also facilitate the rapid change-out or reconfiguration of equipment by eliminating the need for hard wiring or multiple plug connections.

Other MELTRIC Product Lines for the Water & Wastewater Industry

High Amperage Connections



The **DR400** Series (up to 400A, 480V or 350A, 600V) features a safety shutter that protects users from live parts and an easy closing mechanism that mates the plug to the receptacle with relative ease. The **PF/PFQ** Series (up to 600A, 600V) utilizes silver pressure contacts that maximize performance in dirty environments. A mechanical locking system ensures safety and watertightness.

Multipin Connections



MELTRIC offers a broad range of multipin devices for use in a wide variety of control and power applications. All of MELTRIC's multipin devices feature spring-loaded, silver-nickel, butt-style contacts for maximum conductivity and durability. Models are available with as many as 37 or as few as 4 contacts. Products range from 2A up to 50A and some include load making and breaking capabilities. **DN9c** and **DN20c** devices are horsepower rated and allow multiple power circuits in a single connection.

Hazardous Location Connections



MELTRIC offers a range of hazardous duty rated devices for use in power supply and control applications. Each device features MELTRIC's butt-style contact technology that maximizes durability and performance. Depending on the application's needs, most devices can be configured for use in in-line and wall mounted applications. **DXN** Series plugs and receptacles are CSA rated for use in Class I Zone 1, Class I Division 2 and Class II Division 2 environments. Hp ratings make the DXN ideal for motor connections.

For even more plugs & receptacles from MELTRIC, visit meltric.com or view the MELTRIC catalog. 