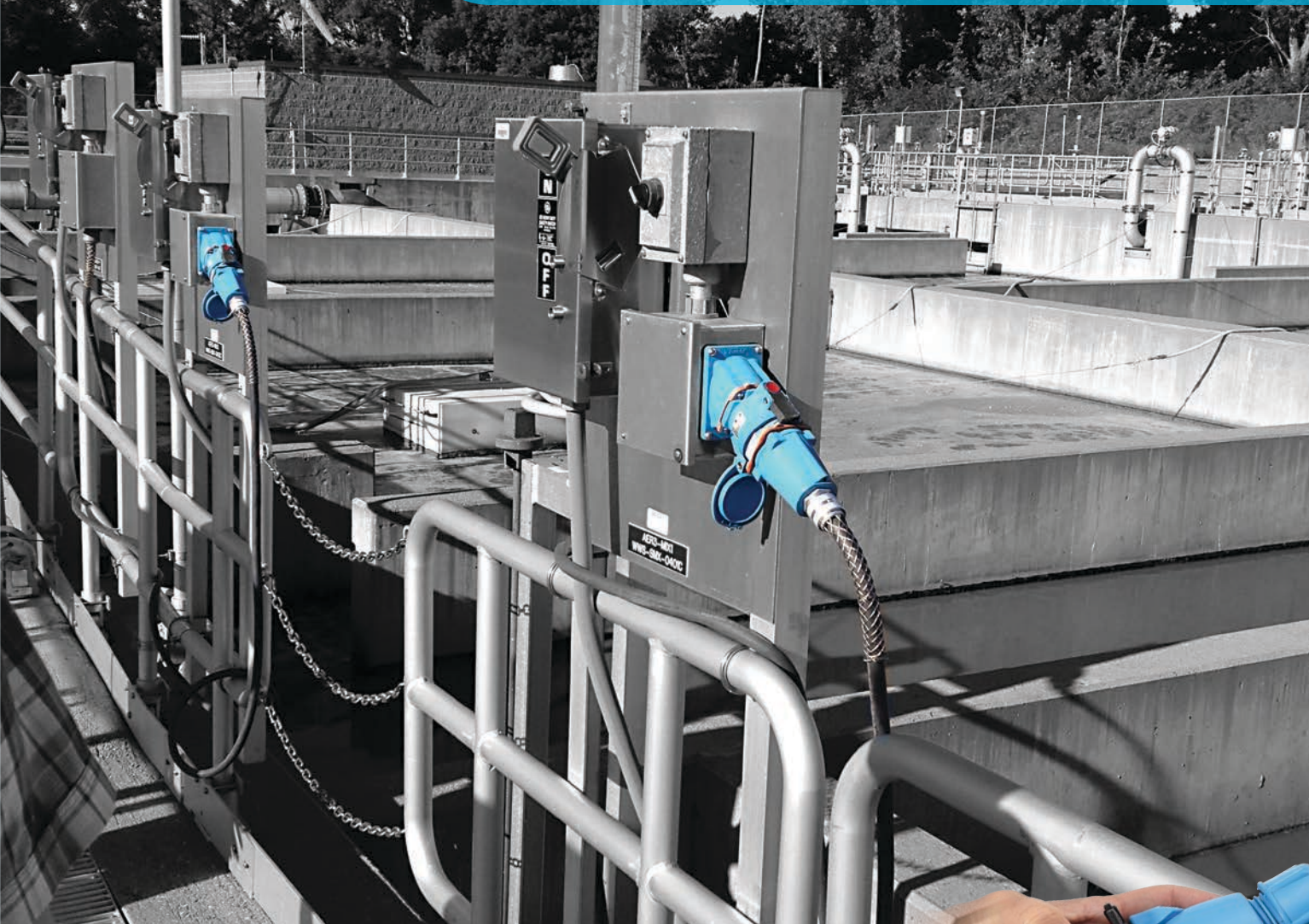


# WATER AND WASTEWATER SOLUTIONS



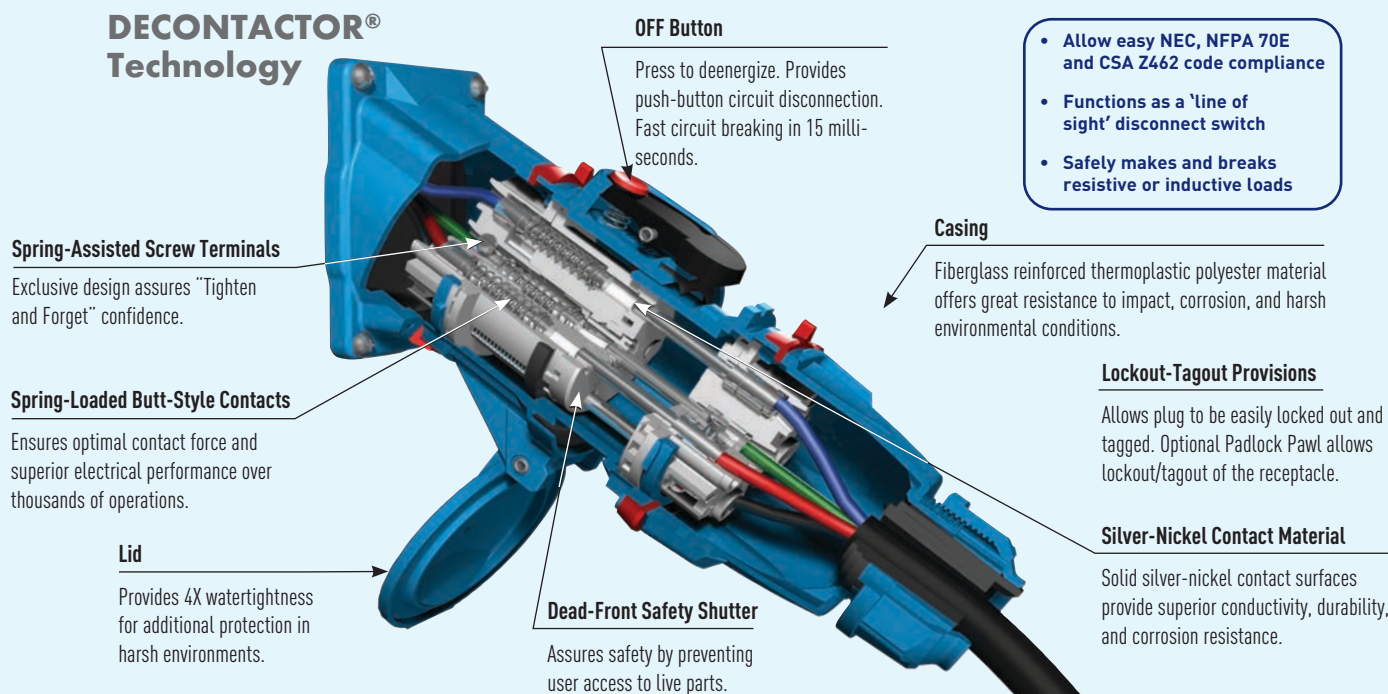
Featuring:

SWITCH-RATED PLUGS AND RECEPTACLES  
WITH DECONTACTOR<sup>®</sup> TECHNOLOGY



# MELTRIC Switch-Rated Plugs and Receptacles – 20 to 200A

MELTRIC 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 and CSA rated for motor circuit and branch circuit disconnect switching and meet code requirements for 'line of sight' disconnects. Switch-Rated plugs and receptacles eliminate the need for expensive auxiliary disconnects and enable plug-and-play equipment changeouts.



## DSN 20-150A (Up to 75 hp)



- Compact, lightweight design
- Type 4X, IP69/IP69K\*
- Up to 6 auxiliary contacts
- Poly or metal casings
- Short circuit rated up to 100kA\*\*
- 08IK impact resistance rated

\* Also meets IP66/IP67 requirements

\*\* Visit [meltric.com](http://meltric.com) for complete ratings information.

## DS 20-200A (Up to 100 hp)



- Rugged construction
- Type 3R (4X optional)
- Up to 6 auxiliary contacts
- Poly or metal casings
- Short circuit rated up to 100kA\*\*
- 08IK-09IK impact resistance rated

## Popular Product Accessories

### Handles



Poly Handle



Handle w/Cord Grip



Finger Draw Plates

### Angles and Boxes



Metal Junction Box



30° Metal Angle



70° Metal Angle

### Pawls



Padlockable Pawl

### Adapter Plates



See catalog for full selection of product accessories.



# Application Spotlights

## MELTRIC Switch-Rated Plugs and Receptacles

### Remote Lift Station Connections

Switch-Rated plugs and 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-and-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 and receptacle is a NFPA 70E defined "Normal Operation." No PPE is required.

### Critical Motor Connections

MELTRIC Switch-Rated plugs and receptacles utilize motor starter contact technology, allowing users to safely make and break motor loads up to 100 hp.



Switch-Rated plugs and 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 and 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 MELTRIC Switch-Rated plugs and receptacles meet the NFPA 70E definition of 'Normal Operation.'

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 IP69/IP69K. The plugs and receptacles utilize spring-loaded, silver-nickel butt-style contacts for superior electrical performance over thousands of operations. They 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:

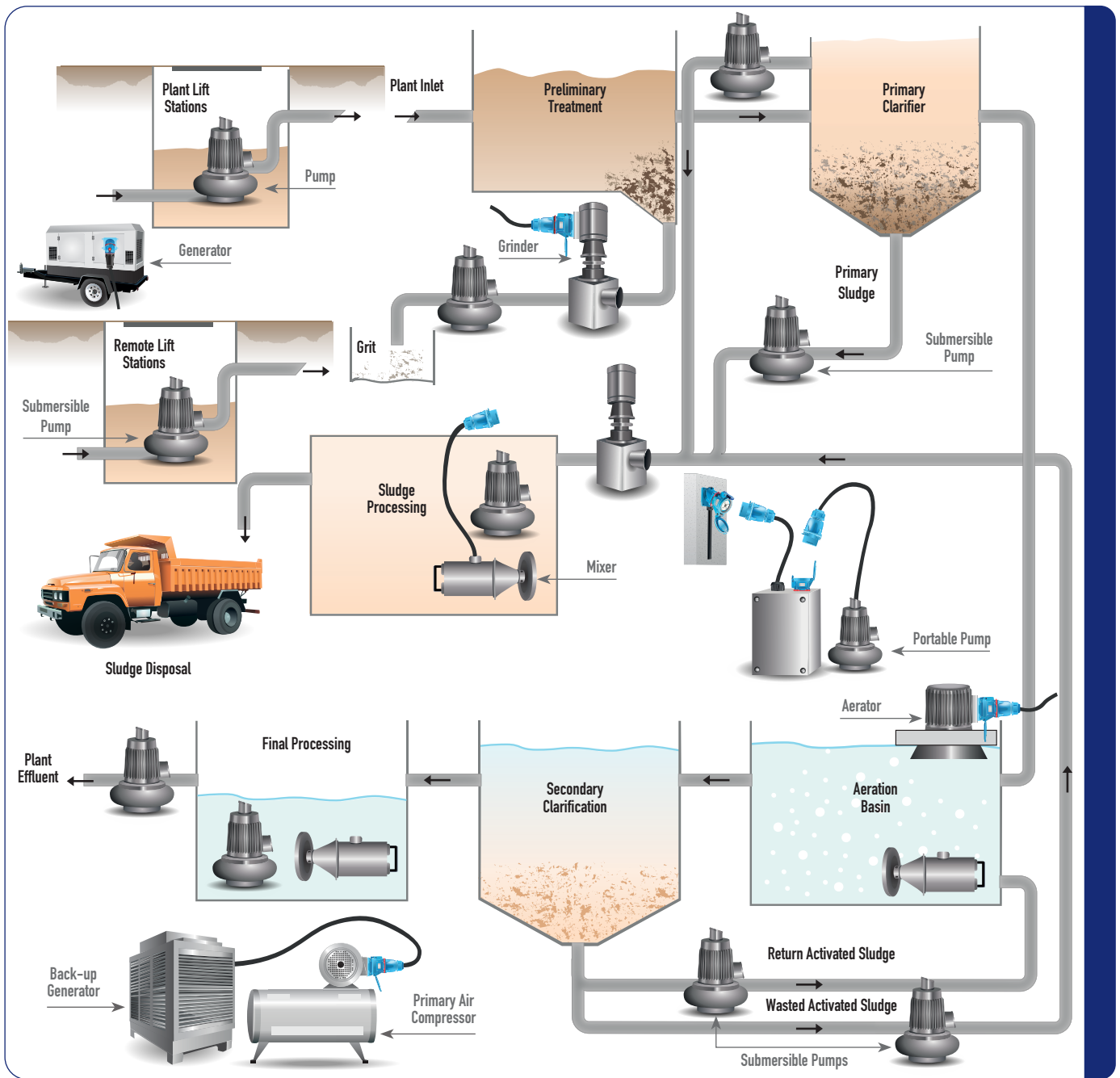
*"When the first mixer failed, we had to shut everything off and disconnect all the wiring before we could pull it out and drop in a replacement. If one failed on a weekend, the weekend staff couldn't handle it, so we either had to wait until Monday or call in an electrician. Now with MELTRIC, we just 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**

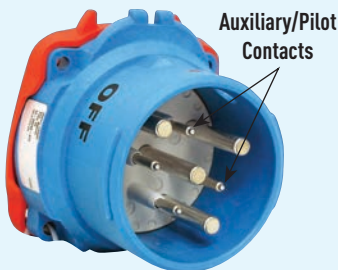


Typical submersible mixer application

# MELTRIC Plugs and 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 and Wastewater Industry

### High Amperage Connections



**DR400**



**PF/PFQ**

The **DR400** Series (up to 400A, 600V) features a safety shutter that protects users from live parts and an easy-closing mechanism that mates the plug to the receptacle with 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



**DSN37c**



**DN9c**

MELTRIC offers a broad range of multipin devices for use in a wide variety of control and power applications. MELTRIC 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; 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



**DXN**



**DXN37c**

MELTRIC offers a range of hazardous duty rated devices for use in power supply and control applications. Each device features butt-style contact technology that maximizes durability and performance. Depending on the application, most devices can be configured for 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.

Visit [meltric.com](http://meltric.com) or view the MELTRIC catalog for complete product line information.