


# WATER AND WASTEWATER SOLUTIONS

**MELTRIC SWITCH-RATED PLUGS AND RECEPTACLES  
WITH DECONTACTOR™ TECHNOLOGY**



# SWITCH-RATED PLUGS AND RECEPTACLES

 MELTRIC Switch-Rated plugs and receptacles combine the safety and functionality of a switch with the convenience of a plug and receptacle. They help ensure worker safety while reducing equipment and labor costs. They are UL/CSA rated for motor circuit and branch circuit disconnect switching and meet NEC 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.

## DECONTACTOR™ Technology

### Spring-Assisted Screw Terminals

Exclusive design ensures “tighten and forget” confidence.

### Spring-Loaded Butt-Style Contacts

Ensure optimal contact force and superior electrical performance over thousands of operations.

### Lid

Provides up to Type 4X/IP69/IP69K watertightness for additional protection in harsh environments.

### OFF Button

Press to de-energize. Provides push-button circuit disconnection.

### 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.

### Dead-Front Safety Shutter

Ensures safety by preventing user access to live parts.



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

- Compact, lightweight design
- Type 4X/IP69/IP69K
- Up to 6 auxiliary contacts
- Poly or Metal casings
- 100 kA short circuit rated\*



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

- Rugged construction
- Type 3R or 4X
- Up to 6 auxiliary contacts
- Poly or Metal casings
- Short circuit rated up to 100 kA\*

\*Visit [meltric.com](http://meltric.com) to confirm ratings.

## Common Product Accessories

### Handles



Handle with Cable Range    Handle with Cord Grip    Finger Drawplates

### Angles and Boxes



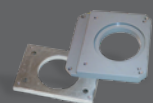
Metal Junction Box    30° Metal Angle    70° Metal Angle

### Pawls



Padlockable Pawl

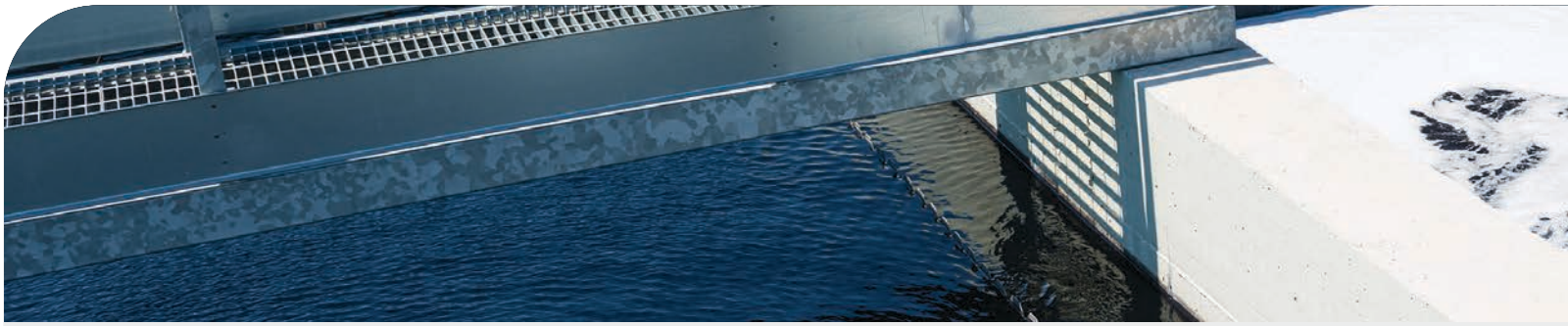
### Adapter Plates



Customizable

Additional accessories are available to fit your application needs.





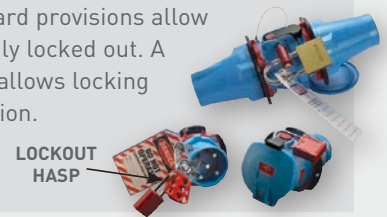
# SOLUTIONS FOR EVERY CRITICAL PROCESS of the Water & Wastewater Industry



## 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.



## Floating Aerators, Mixers, Pumps

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

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



## Hazardous Location Connections

Hazardous Location plugs and receptacles provide connection solutions for most installations in explosive gas environments while maintaining automatic watertightness.

MELTRIC Zone 2 receptacles use a locking pawl to secure the plug and receptacle in the mated position preventing accidental disconnection in a hazardous environment.



## 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.



# Type 4X/IP69/I



## 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.”

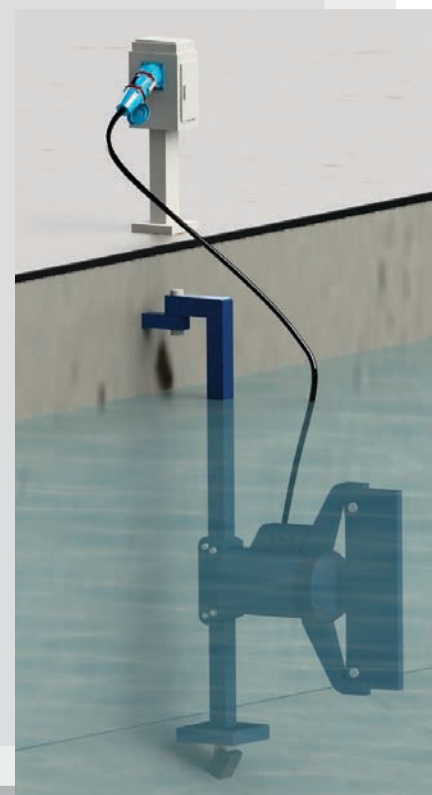
Disconnecting a motor becomes a simple operation that is initiated by pressing the pawl on the receptacle, which causes it to break the circuit and eject the plug to its rest position. Then, a simple quarter-turn of the plug allows it to be totally withdrawn from the receptacle in complete safety since 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 water-tightness’ 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.”

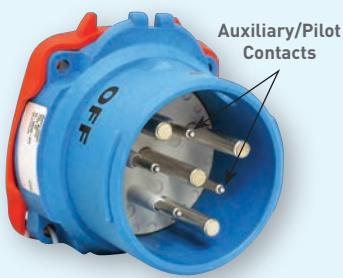
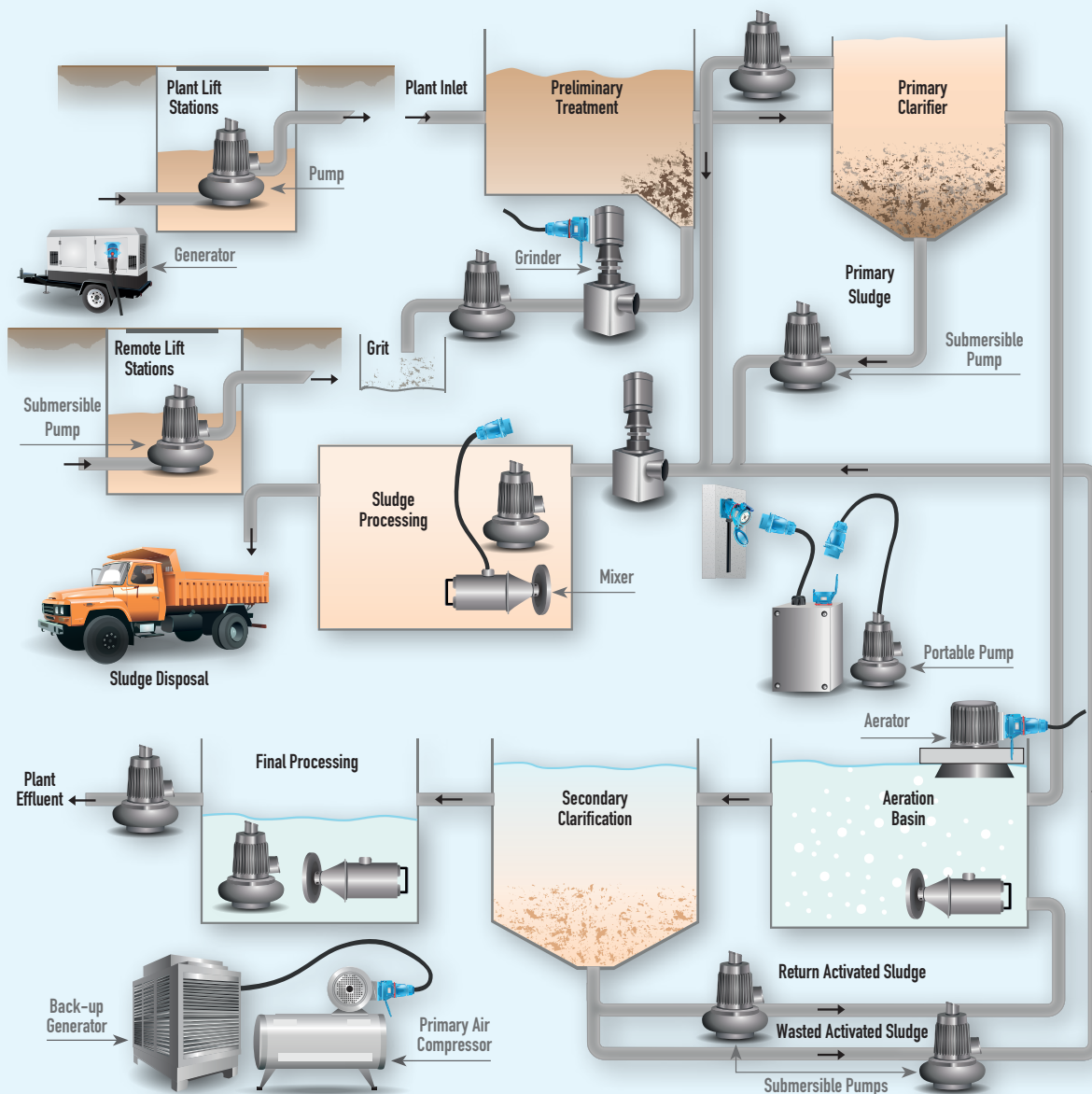
***Assistant Water Systems Manager – Wisconsin***



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.

# Electrical Connection Solutions for Your Industrial Applications

In addition to the innovative Switch-Rated devices featured in this brochure, MELTRIC offers a full line of industrial plugs and receptacles providing solutions for a broad range of electrical connection applications.



## Explore the Complete Line of MELTRIC Plugs, Receptacles, and Accessories

- Multipin devices available with 4-37 contacts
- Hazardous Location devices for Class 1 & 2 Div 2 and Zone 1/21 & 2/22 environments
- High Temperature devices, up to 30 A, 465°F
- High Amperage devices, up to 600 A
- Power Distribution—Rubber Boxes, Panel Assemblies, Custom Configurations, Receptacle/Wall Box Combinations, and more



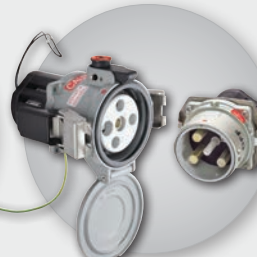
**Multipin**



**Hazardous  
Location**



**High Temp**



**High  
Amperage**



**Power  
Distribution**

Our friendly engineering and customer service teams are available  
Monday - Friday, 7 a.m. - 5 p.m. (Central Time)

Phone: 414-433-2700  
Email: [mail@meltric.com](mailto:mail@meltric.com)

Industry leading delivery times.



## Plug into SAFETY and RELIABILITY with MELTRIC

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