

WATER AND WASTEWATER SOLUTIONS

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



SWITCH-RATED PLUGS AND RECEPTACLES



The MELTRIC® Advantage Exclusive Switch-Rated Safety

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 superior performance.

Watertight Lid

Type 4X/IP69/IP69K.

Dead-Front Safety Shutter

Prevent access to live parts.

OFF Button

Press to de-energize.

Reinforced Casing

Impact, corrosion, and environmental resistance.

Lockout/Tagout Provisions

Easy LOTO.

Silver-Nickel Contact Material

Highly conductive, durable, and corrosion resistance.

- NEC, NFPA 70E, and CSA Z462 Compliance
- Line-of-Sight Disconnect Switch
- Safety Make and Break Under Load



DSN 20-150 A (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 100 kA



DS 20-200 A (Up to 100 hp)

- Rugged construction
- Type 3R or 4X/IP69/IP69K
- Up to 6 auxiliary contacts
- Poly or Metal casings
- Short circuit rated up to 100 kA

Common Product Accessories

Handles



Poly Handle



Handle with Cord Grip



Finger Drawplates

Angles and Boxes



Metal Junction Box



30° Metal Angle



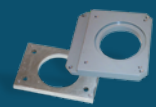
70° Metal Angle

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

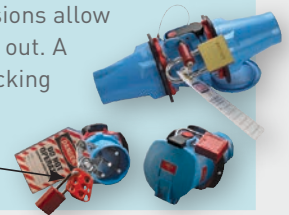


Remote Lift Station Connections

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.

LOCKOUT
HASP



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



WASTEWATER
WEB PAGE >>



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 mixers without the need for cumbersome personal protective equipment (PPE) 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. This breaks the circuit and ejects the plug to the rest position. Then, a simple quarter-turn of the plug allows it to be totally withdrawn from the receptacle 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

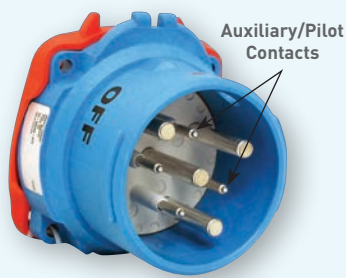
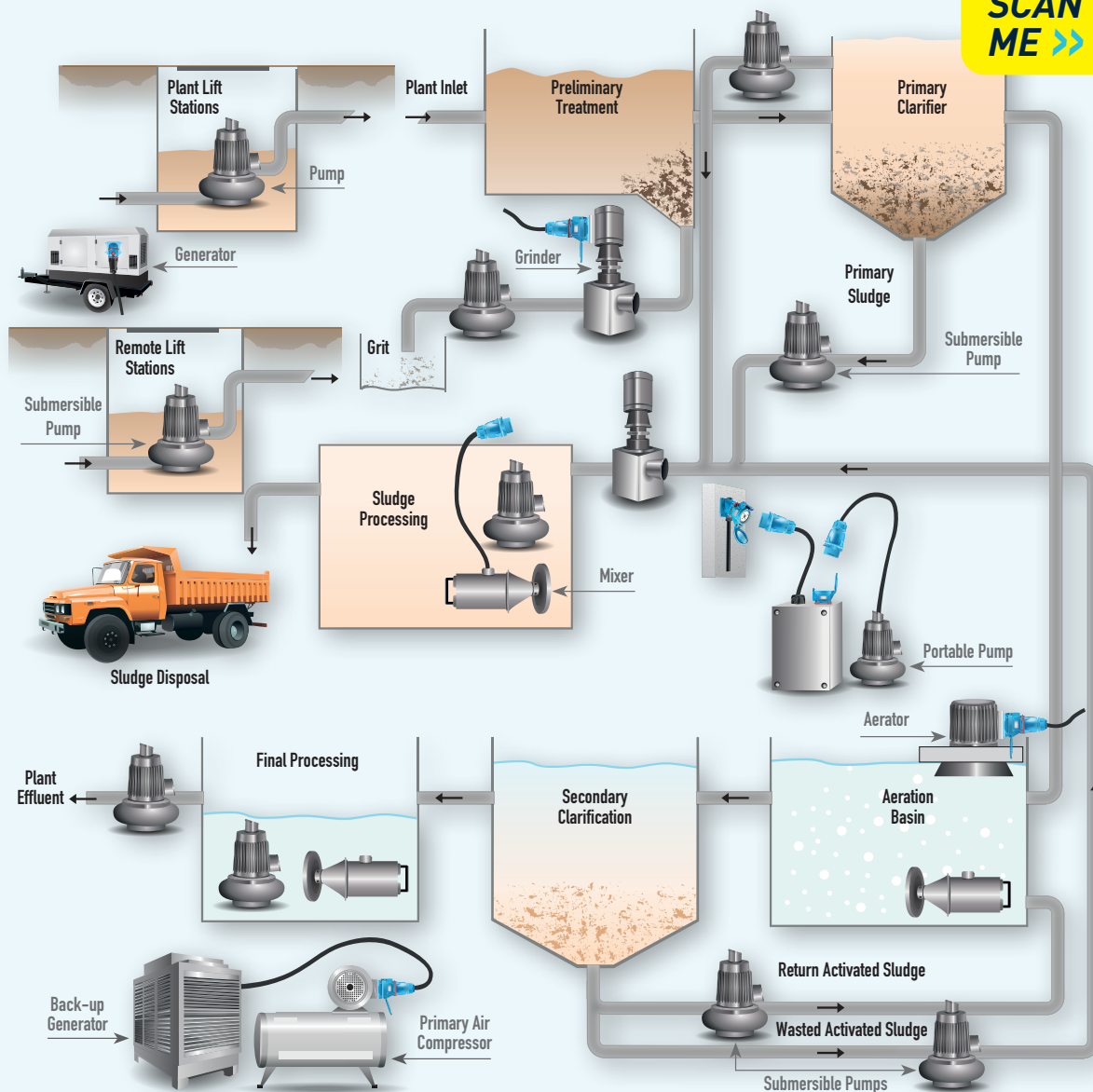


Typical
submersible
mixer application

P9K UL/CSA

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

SCAN
ME >>



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.

Switch-Rated

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



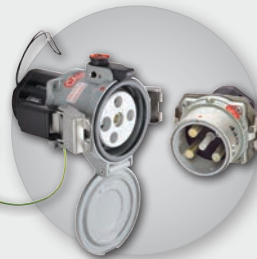
Multipin



**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)

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