

RUGGED, RELIABLE POWER CONNECTIONS

FOR THE MINING, AGGREGATE,
AND CONCRETE INDUSTRIES



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
- Safely 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



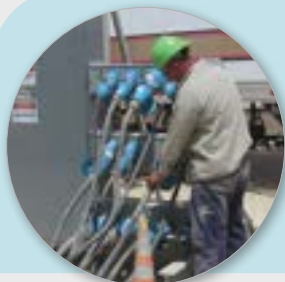
Customizable

Additional accessories are available to fit your application needs.



SOLUTIONS FOR EVERY STAGE

of the Mining, Aggregate, and Concrete



Power Distribution

Switch-Rated devices facilitate power distribution to processing equipment. Users can safely make/break connections. Butt-style contacts close with a self-cleaning action to keep contacts clean and performing well in dirty environments.

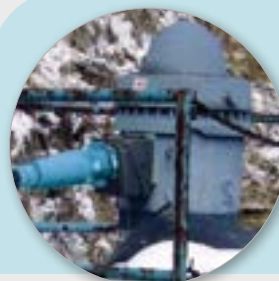
Spring-loaded, butt-style, silver-nickel contacts provide superior performance in harsh environments.



Conveyor Connections

MELTRIC Switch-Rated plugs and receptacles provide a convenient line-of-sight disconnect. This allows workers to safely make and break electrical connections under full load up to 100 hp and 200 A.

The Switch-Rated receptacle's dead-front safety shutter prevents unintended exposure to live parts.



Pump Power Supply

MELTRIC offers devices with ratings up to Type 4X/IP69/IP69K. DS Series devices connect power to a float pump via a direct mounting configuration. The DS receptacle can be disconnected and relocated to another retention pond.

DS/DSN Series feature water-tight operation when the plug is latched to the receptacle.



Motor Control Center Connections

MELTRIC devices are available in a wide variety of configurations. Accessories allow use as in-line or mounted wall, box, panel or equipment connectors. In-line connections are preferred at quarries to solve mounting space problems.

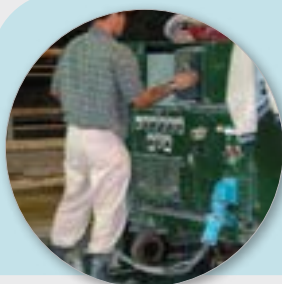
MELTRIC Switch-Rated devices provide an in-line switch when used as extension cords.



Type 4X/IP69/IP



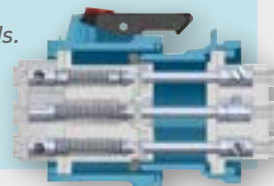
Concrete Industry



Process Equipment Connections

DS60-equipped power cables provide a safe and convenient means of routinely making and breaking power supply connections, as required, while this concrete floor panel forming machine moves along the production line.

Enclosed arc chambers protect workers by eliminating arc flash hazards.



High HP Motor Connections

MELTRIC PF Series devices are engineered for use in high amperage applications rated up to 600 A. In this example, power to a 500 hp crusher motor is supplied by the parallel phasing of two 400 A PF plugs and receptacles.

A mechanical locking system ensures safety and watertightness.

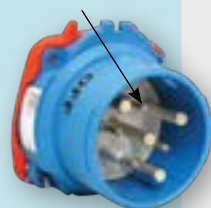


Power Supply to Heavy-Duty Machinery

Most MELTRIC devices are available in either durable poly or rugged metal casings. Options include lockable pawls (lock the receptacle), mushroom pawls (easy disconnection), and up to 6 auxiliary contacts (control or monitor equipment).

Auxiliary contacts are available for operating secondary control circuits or for electrical interlocking with motor starters.

Auxiliary Contacts



Control Wire Connections

MELTRIC Multipin devices allow plant operators to easily control equipment while working in a remote location. Remote motor control centers can be relocated and reconnected with plug-and-play simplicity, eliminating rewiring errors.

Multipin plugs and connectors are available with up to 37 contacts.



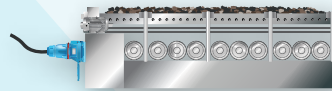
P69K UL/CSA

Benefit from MELTRIC Plugs, Receptacles, and Electrical Connectors Throughout Your Plant



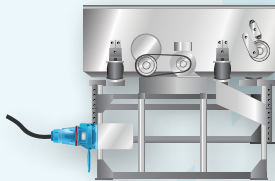
Feeders

DR Series devices with amperage capacity up to 250 A provide durable, safe connections for feeders and other equipment.



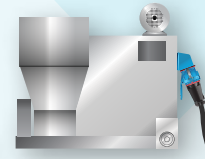
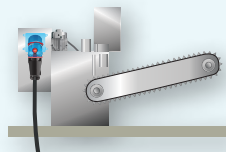
Conveyors

DSN Series devices simplify reconfigurations of conveyors. Type 4X construction provides protection from water and dust.



Screeners

DSN Series Switch-Rated devices provide rugged, switch-rated connections up to 75 hp.



Cutting Machines, Extruders, and other Forming Equipment

MELTRIC Switch-Rated plugs and receptacles are safe to make and break under full load. They provide a line-of-sight disconnect and facilitate quick motor changeouts.



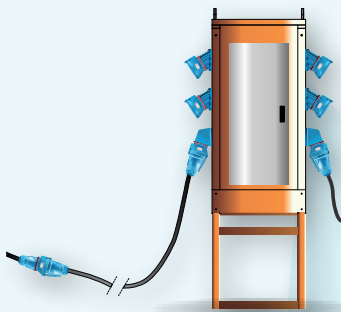
Float Pumps/Submersible Pumps

DS Series inlets and connectors allow pumps to be easily disconnected and relocated to another pond/wall.



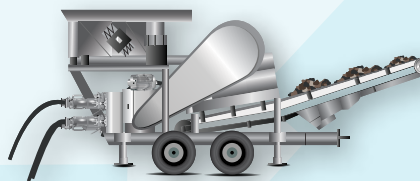
Stackers/Pilers

DR400 Series plugs and receptacles offer safe, durable, easy-to-operate connections up to 400 A.



Power Distribution

MELTRIC plugs and receptacles are ideal for power distribution. Custom panels are available.

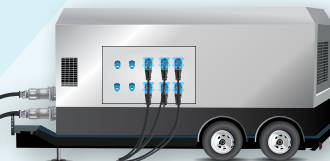
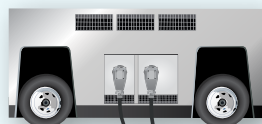


Crushers

Parallel phasing with dual PF devices maximizes capacity for high-load applications.

Generators

600 A PF Series connectors supply power from generators to motor control centers.



Motor Control Centers

Switch-Rated plugs and receptacles, single pole connectors, and multipin devices provide power and control circuits to all plant equipment.

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



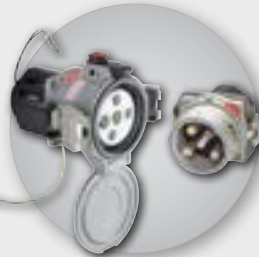
Multipin



**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)

Phone: 414-433-2700
Email: mail@meltric.com

MELTRIC excels with the industry's leading delivery times.



Plug into **SAFETY** and **RELIABILITY** with **MELTRIC®**

meltric.com

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