

Rugged and Reliable Power Connections for the Mining, Aggregate and Concrete Industries

Featuring:

Switch-Rated Plugs and Receptacles
with DECONTACTOR® Technology



Switch-Rated



High Amp

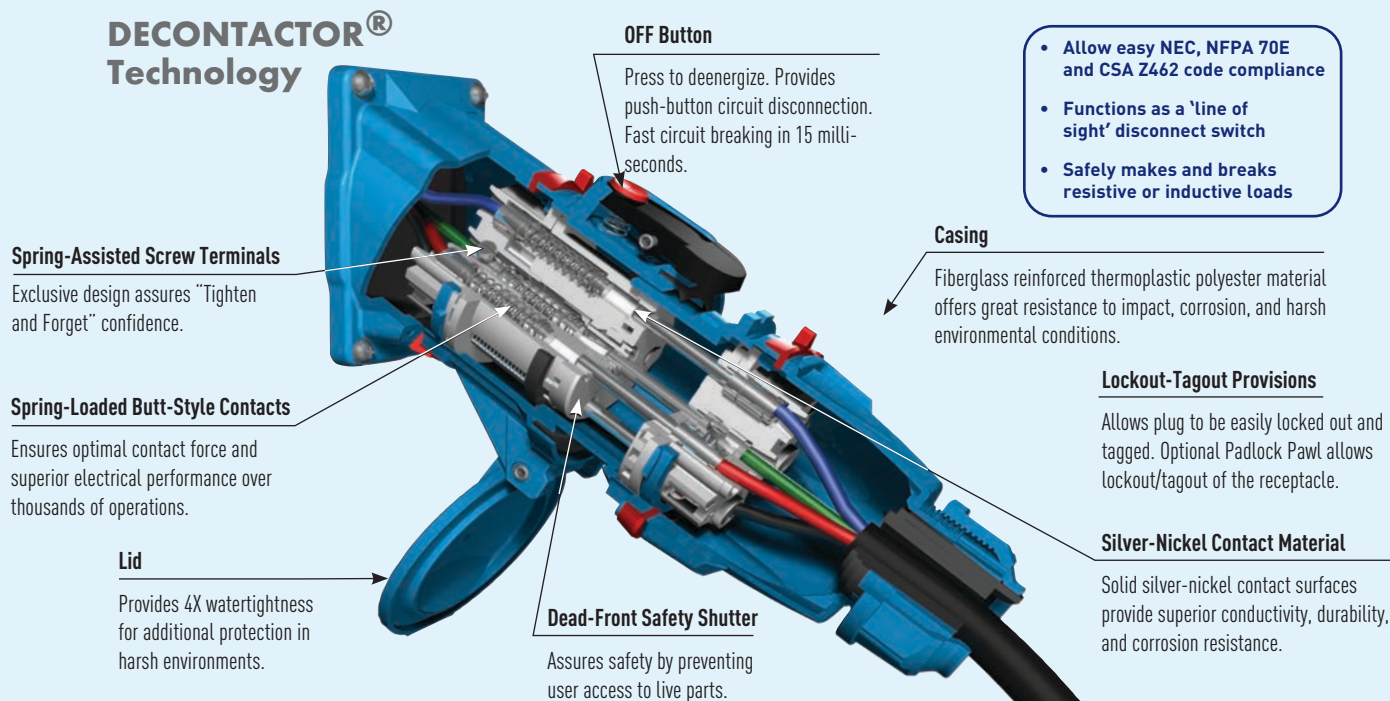


Multipin

Product Specifications

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 facilities ensure worker safety while 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**
- 081K impact resistance rated

* Also meets IP66/IP67 requirements

** Visit 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**
- 081K-091K impact resistance rated

Popular Product Accessories

Handles



Poly Handle



Handle w/Cord Grip

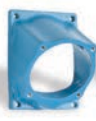


Finger Draw Plates

Angles and Boxes



Metal Junction Box



30° Metal Angle



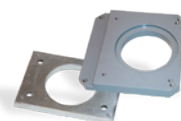
70° Metal Angle

Pawls



Padlockable Pawl

Adapter Plates



See catalog for full selection of product accessories.

Application Spotlights

Power Distribution Reliable Connections for Harsh Environments

200A DS200 and other DS models facilitate power distribution to processing equipment. An easy-closing mechanism on the receptacle simplifies plug insertion. 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 Safety and Convenience

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 200A.



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

Pump Power Supply Weatherproof Performance

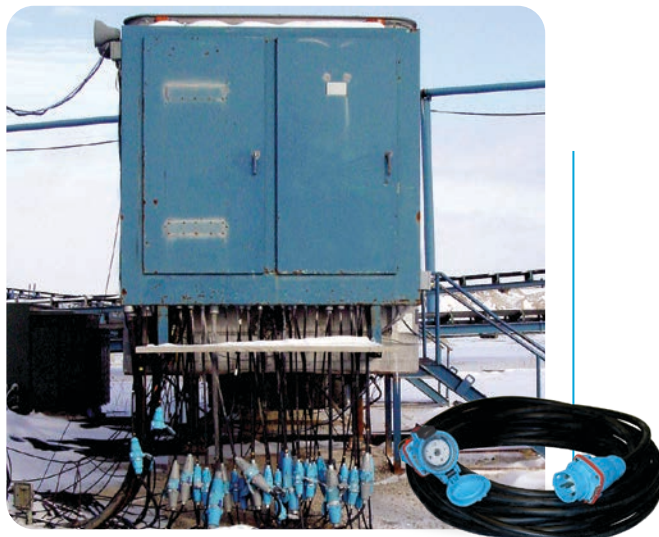
MELTRIC offers plugs and receptacles with ratings up to Type 4X/IP69/IP69K. In this example, 200A Type 3R rated DS Series devices connect power to a float pump via a direct mounting configuration. When required, the DS receptacle can be disconnected and relocated to another retention pond.



DS/DSN Series feature watertight operation when the plug is latched to the receptacle.

Motor Control Center Connections Configuration Flexibility

MELTRIC plugs and receptacles are available in a wide variety of configurations. Optional accessories are available that allow them to be used as in-line connectors or mounted on walls, boxes, panels, or equipment. In-line connections are preferred at this quarry to solve a mounting space problem.



MELTRIC Switch-Rated plugs and receptacles provide an "in-line" switch when used as extension cords.



WATCH PRODUCT & APPLICATION VIDEOS:
MELTRIC.COM/VIDEO

Process Equipment Connections Routine Disconnection Capability

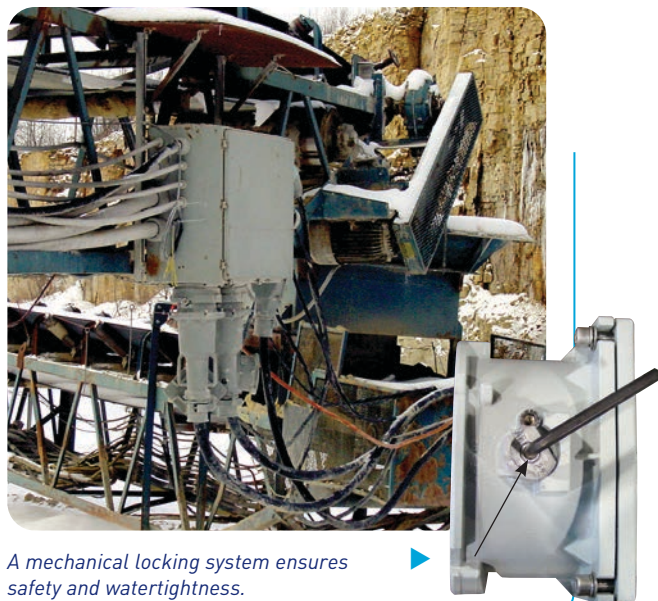
DS60-equipped power cables provide a safe and convenient means of routinely making and breaking power supply connections, as required, while this concrete floor panel forming machine moves along the production line.



Enclosed arc chambers protect workers by eliminating arc flash hazards.

High HP Motor Connections High Amperage Capacity

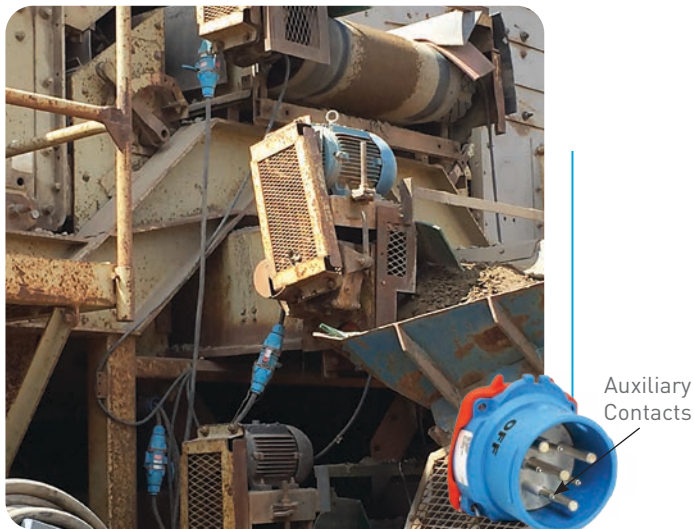
MELTRIC PF Series plugs and receptacles are specifically engineered for use in high amperage applications and are rated for loads up to 600A. In this example, power to a 500 horsepower crusher motor is supplied by the parallel phasing of two 400A PF plugs and receptacles.



A mechanical locking system ensures safety and watertightness.

Power Supply to Heavy Duty Machinery Durable Construction

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



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

Control Wire Connections Mobility without Rewiring Errors

Meltric Multipin plugs, receptacles, and connectors are ideal for equipment requiring multiple control wire connections. Plant operators can 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.

More Meltric Products and Services for the Mining, Aggregate, and Concrete Industries

High Amperage Connections



The **DR400** Series (up to 400A, 480V or 350A, 600V) features a safety shutter that protects 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.

Single Pole



CS1000 and **SP** Series single pole devices are designed to maximize safety, performance, and durability. Both product lines feature IP2X finger protection that protects users from live parts, and mechanical keying systems to prevent insertion of wrong phases. The CS1000 features a locking pin that prevents accidental connection or disconnection under load. SP devices are equipped with pilot contacts for the same purpose.

Multipin Connections



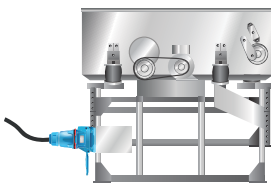
MELTRIC offers a broad range of multipin devices for use in a wide variety of control and power applications. MELTRIC multipin devices feature spring-loaded, silver-nickel, butt-style contacts for maximum conductivity and durability. Models are available with as many as 37, or as few as 4 contacts. Products 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.

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



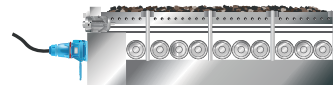
Feeders

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



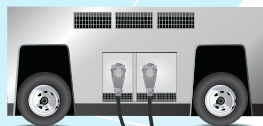
Screeners

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



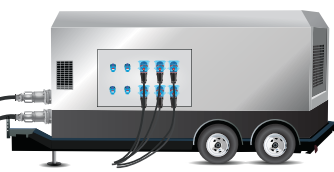
Conveyors

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



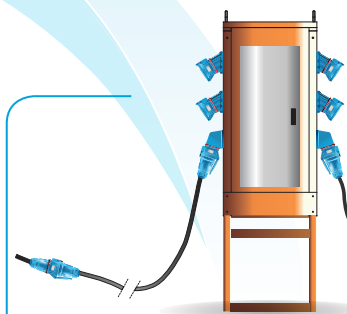
Generators

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



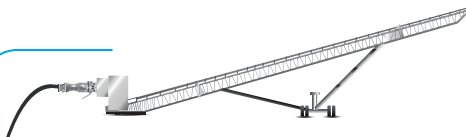
Motor Control Centers

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



Power Distribution

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



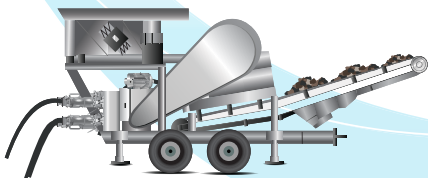
Stackers/Pilers

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



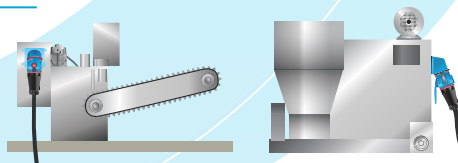
Float Pumps/Submersible Pumps

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



Crushers

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



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.