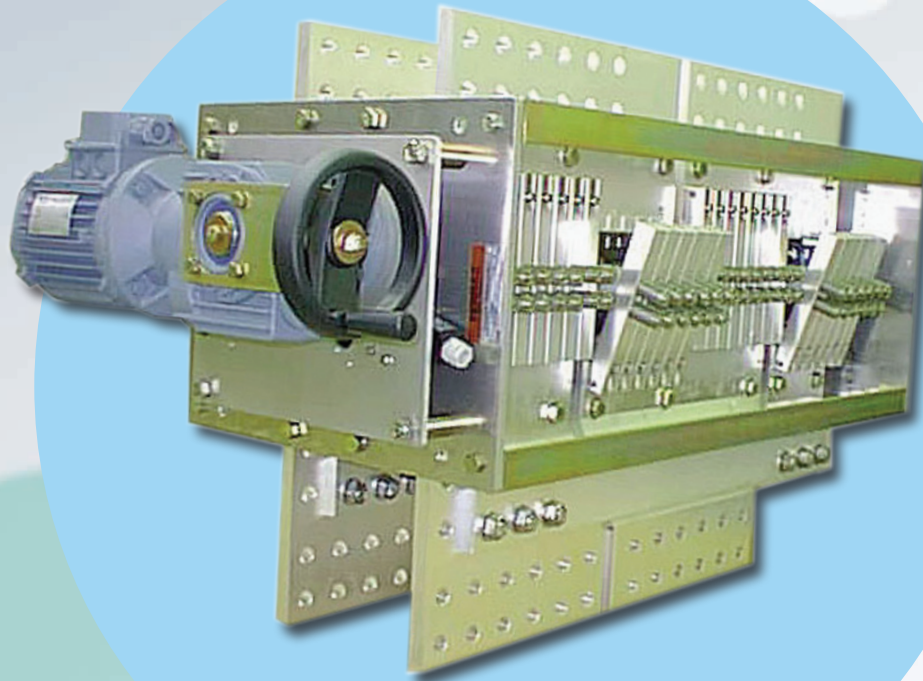


High Power Switches

Expertly engineered for reliable performance



FERRAZ SHAWMUT IS NOW MERSEN

merseN

Mersen's High Power Switches are Engineered to Meet Your Needs

High Power Switches are critical to your operation. Not only do they help protect your people from injury, they help protect your equipment and processes, and minimize the risk of costly downtime and repairs. You need a switch that will meet your unique needs. You need Mersen.



Our standard High Power Switches are rigorously engineered to your specifications

Mersen's standard High Power Switches encompass a wide range of DC and AC switches designed to handle high current/low voltage and high voltage/low current applications. Our offerings include rectifier output switches, disconnect switches in both AC and DC, transfer switches for AC and DC, cell switches and medium voltages AC switches, and AC earthing switches.

Innovative High Power Switch systems and assemblies are custom made

When you need more than just a switch, Mersen's world-class engineering team is ready to provide custom engineering and fabrication to build the High Power Switch system or assembly you need, exactly the way you need it.

Mersen's team of design engineers are bold problem-solvers and enjoy meeting your High Power Switch challenges head on with innovative engineering and creative solutions. Our engineers incorporate design and construction features that ensure each switch performs reliably, whether it's a rectifier output switch operated once a year or a change-over switch system in an enclosed panel actuated dozens of times a day.

So whether your needs are simple High Power Switch or complex assembly or system, you can rely on Mersen to deliver the best solution. To request a quote and outline drawing, or to learn more, email hpswitch.nby@mersen.com. We'll show you all the ways we're your safest connection for circuit protection.

We strive with our customers for the world's safest & most reliable electrical power

Industries we serve:

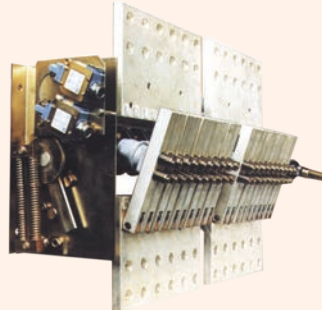
- Power distribution
- Power generation
- Renewable energy
- Railway & traction
- Chemical industry
- Primary metal industry
- Cement manufacturing
- Research Labs

High Power Switch - DC Disconnect

1kV to 36kV - 100A to 160kA

DC Disconnect Switches

Application: Battery disconnect, motor isolation, 3rd rail sectionalization
500 VDC to 36kV DC
Rating from 100A to 12kA
One or two pole arrangement
Manual, motorized or pneumatic drive
Visible blade opening
Ground position
Locking magnet
Padlock and/or key interlock



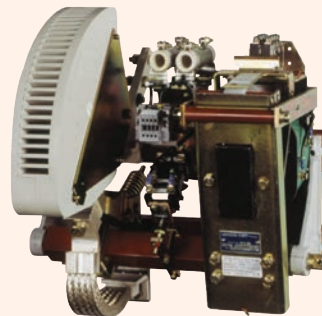
Rectifier Output Switch

Rectifier Output Switches

Application: Isolate safely large rectifier
DC Disconnect switch
Up to 2kV DC
Rating from 6kA to 160kA
Aluminum or copper connections
Deformable switches
Supported by buss bars system
Manual, motorized or pneumatic drive
Low contact drop, low watt loss
Large number of operations

DC Transfer Switches

Application: ARC furnace, ship power distribution,
1kV to 36kV DC
100A to 32kA
Offer multitude of combination for:
Double poles with double throw or triple throw
Triple poles with double throw or triple throw
Manual, motorized or pneumatic drive
Ground position
Padlock and/or key interlock



DC Power Contactor

DC Power Contactors

Application: control large motors in primary metal industry, used in overhead crane, field excitation, PV inverter
Up to 2kV DC
Ratings from 100A to 6kA
Multipole arrangement
Mechanical or electrical Latching
Auxiliary contact options
Special configuration available

Cell Switches

Application: Isolate a cell in an electrolytic system
DC Disconnect or load break switches
Up to 2kV
Ratings from 6kA to 60kA
Aluminum or copper connections
Flexible connections



High Power Switch - AC Disconnect

1kV TO 36kV – 400A TO 30kA

AC Medium Voltage

Application: Isolate generator, tie switch, ground switch in the power generation, used to isolate medium voltage drive or motor

Voltage 3.6, 7.2, 5, 12, 15, 24 to 36kV

High frequency application available up to 3000Hz

Rugged construction

Up to 50000 cycle (1cycle= 1on and 1off)

Self cleaning contacts

Low maintenance options

Auxiliary contacts

Manual, motorized or pneumatic drive

Ground position

Padlock and/or key interlock



Medium Voltage Enclosed Switch

AC Power Contactors

Application: Control large motor in metal industry

Up to 2kV AC

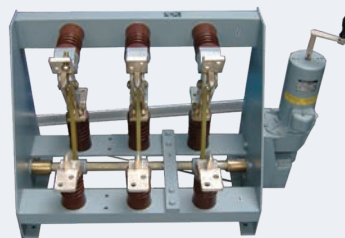
Rating from 100A to 6kA

Multipole arrangement

Mechanical or electrical Latching

Auxiliary contact options

Special configuration available



AC Transfer Switch

AC Transfer Switches

Application: Power generation

1kV to 36kV DC

100A to 32kA

Offer multitude of combinations for:

Triple poles with double throw or triple throw

Manual, motorized or pneumatic drive

Ground position

Padlock and/or key interlock

AC Earthing Switches

Application: grounding application

3.6kV to 36kV AC

Quick-on mechanism

Closing on short circuit current

Manual, motorized or pneumatic drive

Padlock and/or key interlock

Our HPSW Services:

- Custom designs
- From your concept to an engineered manufacturing solution
- Enclosed switches with control components
- Outstanding after sales service

Mersen is the leading innovator in High Power Switch technology

“Custom designed to meet rigorous engineering standards...”

When industry leading companies worldwide have a special challenge, they call Mersen. Why? Because we've pioneered more technological advances in High Power Switches than all of our competitors combined. Here are just a few:

- A deformable disconnect switch that can move on three axes to allow for bus bar expansion, eliminating the need for expensive flexible connections.
- The first input load break disconnect switch for “choppers” — DC-to-DC converters used in chlor-alkali applications.
- The first load break switch and rotating current transfer unit for copper foil processes.
- The first dual-shell switching system for DC arc furnaces.



How to order High Power Switches

You'll find Mersen easy to do business with. We invite you to call or email your request for quote and an outline drawing to:

United States
978-465-4807

Canada
416-253-8507

hpswitch.nby@mersen.com





MERSEN
Expertise, our source of energy

A WORLD LEADER
 in safety & reliability
 for electrical power

A GLOBAL PLAYER

Since its foundation in 1892, MERSEN has built an international reputation by creating subsidiaries on all continents. Today with industrial and commercial plants scattered in more than 30 countries, agencies and

representatives in more than 70 countries and 250 commercial contacts throughout the world, MERSEN offers its customers everywhere reliable, high technology products and services backed by its expert technicians.

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