



Maréchal manufacture and market plugs and sockets from 5A multipins to 600A heavy duty interlocking connectors. These ranges include:

| Type      | Description  |
|-----------|--|
| PN        | Compact connectors - Power to 30A<br>7 & 12 multipins 10A.           |
| DN        | Decontactors. Metal to 90A.  |
| DS        | Decontactors. Poly 16 - 150A, Metal 63 - 250A.                       |
| DB        | Disbreaker. 30kW, AC23 rated motor switch.                           |
| DSN       | Poly decontactors. 16A, 32A, 63A - IP67.                             |
| DN/DS/DSN | Multipins from 9 to 37 pin.  |
| OF        | Heavy duty metal, 315A, 400A, 500A and 600A - IP67.                  |
| ADF       | PX and DX explosion-proof connector ZONE 1.                          |
| CS & CCH  | Single pole to 400mm <sup>2</sup> & 200A battery charger connectors. |



**For Harbours & Shipyards:**

Salt corrosion, humidity, temperature change and mechanical damage all lead to faulty connections overheating and ultimately failure.

*Robust and reliable designs up to 700A - Superior materials resist corrosion & damage. Butt-contacts are reliable and prevent overheating. Power supply is always available when needed, even after years of use. Switched and interlocked designs.*



**For Food & Drink Industries:**

Factory conditions (eg in cheese plants) make it difficult to operate plugs and sockets safely whilst moisture ingress is common.

*Automatic IP67 when plug is inserted - Even if wearing protective gloves the operator simply presses the release button. A quarter turn removes the now dead plug from its socket. With auxiliaries for control functions.*



**Water & Waste Industries:**

Hard-wired submersible mixers and pumps take much longer to isolate before lifting for maintenance purposes. Often a fitter and electrician are required adding to costs.

*Maréchal's decontactor sockets have an integral switch producing a load make & break design. When connected to a pump the fitter can disconnect safely just by pressing the button creating visible isolation and reducing costs.*

*With auxiliary contacts for seals etc.*





### Heavy Duty Equipment:

Often plugs and sockets with high amperage are difficult to disconnect because of size and contact heating (welding).

**Robust, easy-to-use designs up to 600 A** - Frictionless butt-contact design allows simple connection and disconnection. PF range offers both electrical & mechanical interlocking for safety. Auxiliary contacts available.



### Fire Resistant Tunnel Equipment:

Fans and lighting have to keep working as long as possible in case of fire. Most equipment is thus hard wired, making maintenance difficult.

**Resistant up to 400 °C** - Marechal offers a range of plugs and sockets for extractor fans and enclosures with sockets specifically designed for tunnel lighting.



### Marechal DECONTACTOR™:

The ideal solution for connecting motors.

When a motor starts, the brief overload generated is many times greater than the nominal current. While this overload should not affect properly designed motors, it could be damaging to most connectors.

Thanks to its silver-nickel butt-contact technology, the deconnector withstands these high and repeated overloads without over-heating or change in its performance. The deconnector is thus ideally suited for motor connections, even for motors that have to start frequently.

#### **Connect with confidence, disconnect with safety...**

The deconnector socket has an integral load-break isolating switch mechanism that allows users to connect and disconnect electrical equipment safely up to 45kW: a release button cuts the power and de-energises the plug before it can be removed. Even in the event of a short-circuit, the deconnector guarantees user safety and eliminates any electrocution hazard.



**Enhance Control** - Auxiliary contacts can be used to connect thermistors or process control without the need for an extra connector.

**Exceptional Connection Quality** - The silver-nickel butt-contacts offer excellent conductivity and resistance to corrosion and vibration.

**Reliable Material** - The casings are made of glass fibre reinforced polyester or metal, they resist shocks (IKo8) and extreme temperatures.

**...and Reduce Downtime** - When deconnectors are used in lieu of hard-wiring, a fitter can replace a motor safely and efficiently. A blocked submersible pump can be up and running in a matter of minutes instead of hours and with just one person. Operating costs are reduced as re-wiring on site is no longer necessary.

