Since 1953 MARECHAL Electric has been designing, manufacturing and selling plugs and sockets with an integral load-break isolating switch known as the decontactor. Equipment up to 250 A can potentially be connected and disconnected under load without any risk. A release button switches off the power before the plug can be retrieved. **There is no need for pilot wiring and contactor.**

### High quality materials
- Butt contacts in silver-nickel: outstanding conductivity and resistance to corrosion, vibration, shocks and temperature variation,
- Spring loaded elastic terminals: wiring resists vibration and temperature changes,
- Stainless steel fastenings,
- GRP casings are IK08 shock resistant. Metal casings are IK09 or IK10 ; UV resistant,
- Ambient temperature: -40 °C to +60 °C.

### End-user safety
- Offers 2 to 8 times as many operating cycles as required in EN 60309-1,
- Safe connection/disconnection even under short-circuit conditions,
- Resistance to current surges up to 8 x In for 1 minute,
- Optional pad-locking to prevent disconnection or access to socket when the plug is disconnected. In the event of emergency, an unqualified operator can easily and safely break a motor’s power supply.
Decontactors from 20 A to 250 A

The most common part numbers

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**IP66/IP67 watertight**

When the plug and socket are connected or the socket lid is closed, the connection is IP66/IP67. This seal is automatic.

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**Dual voltage socket**

Reduce your cost of investment: a 230/400 V 3pne socket can take 3 different plugs and also an industrial/domestic adapter.

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**Easy connection**

Plug insertion made easy with standard closing handles on DS9 and DS2.

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### DSN1 20 A - GRP casing - IP66/IP67

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 230 V   | 1P+N+E   | 61 14 015
|         |          | 61 14 015
|         |          | 61 14 015
|         |          | 61 18 015
|         | + accessory: | 61 1A 053
|         |          | 61 1A 027
|         |          | 61 1A 013
|         |          | 61 1A 013
| 400 V   | 3P+E     | 61 14 013
|         |          | 61 14 013
|         |          | 61 14 013
|         |          | 61 18 013
|         | + accessory: | 61 1A 053
|         |          | 61 1A 027
|         |          | 61 1A 013
|         |          | 61 1A 013
| 400 V   | 3P+N+E   | 61 14 017
|         |          | 61 1A 053
|         |          | 61 1A 027
|         |          | 61 1A 013
|         |          | 61 1A 013

### DSN3 32 A - GRP casing - IP66/IP67

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 230 V   | 1P+N+E   | 61 34 015
|         |          | 61 34 015
|         |          | 61 34 015
|         |          | 61 38 015
|         | + accessory: | 61 3A 053
|         |          | 61 3A 027
|         |          | 61 3A 013
|         |          | 61 3A 013
| 400 V   | 3P+E     | 61 34 013
|         |          | 61 34 013
|         |          | 61 34 013
|         |          | 61 38 013
|         | + accessory: | 61 3A 083
|         |          | 61 3A 027
|         |          | 61 3A 013
|         |          | 61 3A 013
| 400 V   | 3P+N+E   | 61 34 017
|         |          | 61 3A 083
|         |          | 61 3A 027
|         |          | 61 3A 013
|         |          | 61 3A 013

### DSN6 63 A - GRP casing - IP66/IP67

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 400 V   | 3P+E     | 61 64 013
|         |          | 61 64 013
|         |          | 61 64 013
|         |          | 61 68 013
|         | + accessory: | 61 6A 053
|         |          | 61 6A 027
|         |          | 61 6A 013
|         |          | 61 6A 013

### DS6 90 A - GRP casing - IP55

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 400 V   | 3P+E     | 31 64 013
|         |          | 31 64 013
|         |          | 31 64 013
|         |          | 31 68 013
|         | + accessory: | 31 6A 053
|         |          | 31 6A 027
|         |          | 31 6A 013
|         |          | 31 6A 013

### DS9 150 A - GRP casing - IP66/IP67

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 400 V   | 3P+E     | 31 94 013
|         |          | 31 94 013
|         |          | 31 94 013
|         |          | 31 98 013
|         | + accessory: | 39 9A 053
|         |          | 39 9A 027
|         |          | 31 9A 013
|         |          | 31 9A 013

### DS2 250 A - Metal casing - IP55

| Voltage | Polarity | Part Number
|---------|----------|----------------|
| 400 V   | 3P+E     | 39 24 013
|         |          | 39 24 013
|         |          | 39 24 013
|         |          | 39 28 013
|         | + accessory: | 39 2A 053
|         |          | 39 2A 027
|         |          | 39 2A 013
|         |          | 39 2A 013

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*230 / 400 V 3pne dual voltage sockets

(1) Please contact us for other part-numbers: +33 (0) 1 45 11 60 00 (France) or +44 (0) 844 804 2066 (UK)
Product ranges for other requirements:

**PN plug and socket**

*Standard compact or high temperature plug and socket*

PN plug and sockets are automatically IP66/IP67 when connected or when the lid is closed on the socket.

A high temperature version is also available.

30 A – up to 500 V a.c. or 130 V d.c.

**DB DECONTACTOR™ for motors**

*Separable AC-3 load-break motor-switches*

The DB decontactors replace a switch, a power connector and an isolator and simplify maintenance procedures for highly inductive pieces of equipment.

From 40 to 125 A – from 3 to 45 kW – AC-3

Up to 690 V a.c. or 250 V d.c.

**Multicontacts**

*Multipin connectors that allow for high number of operations*

These connectors are used for control and signal purposes. Their robust design and butt contact technology allow for repeated operations in industrial applications.

From 5 to 37 contacts – from 5 to 25 A

Up to 500 V a.c. or 130 V d.c.

(12, 25 & 37 contacts available in ATEX versions)

**DXN / DX Ex DECONTACTOR™**

*Compact, ATEX approved with 'de' rating. From 20 to 200 A*

Compliant with ATEX directive 94/9/CE. Designed for zones 1 and 2 (gas) and zones 21 and 22 (dust).

From 20 to 200 A – up to 750 V a.c. or 250 V d.c.

**PF high current plugs and sockets**

*Safe and reliable high performance plugs and sockets*

IK10 shock resistant, automatically IP66/IP67, up to 8 auxiliary contacts available.

Durable contact technology. Easy and safe handling.

Supply power to quarry machinery, public works equipment, ships, tunnelling equipment, stand-by gensets...

From 315 to 600 A, up to 1000 V a.c or 1000 V d.c.

Better control over equipment

Most Maréchal plugs and sockets have optional auxiliary contacts. Connection of thermistor, control or signal is straightforward and does not require a separate connector.

Motor connect and disconnect under load

With its silver-nickel butt contact technology, the decontactor is designed to withstand current surges induced by repeated motor start-ups or connection with jammed rotor.

Downtime reduction

Supplying a motor via a decontactor instead of hardwiring simplifies maintenance and production reconfiguration. In case of replacement or maintenance, downtime is reduced because the equipment can be disconnected simply and safely via the decontactor by multi-skilled staff.

Mobile equipment can also be disconnected and repositioned quickly as production requires, without the need of an electrician.

See all our products at www.marechal.com
Plugs and socket-outlets for all environments, even your harshest ones:

MARECHAL Electric constantly innovates and improves its product offer, one of the broadest in the market. Thanks to its unique technology, MARECHAL Electric is a preferred supplier to big name clients such as the French military, the Royal Air Force, EDF, Air Liquide, Alcan, Areva, Coca Cola, Exxon Mobil, Kraft Food, MacDonald’s, Petrobras, Shell, Universal Studios, South-African Broadcasting Corporation, etc. Every day, MARECHAL technology brings high quality answers to demanding applications in various fields: construction, smelters, food and drink, ports, tunnel, film shooting, oil and gas exploration and extraction…

Robust requirements
The mine and quarry environments combine problems of mechanical shock, climatic conditions and dust. Typically plugs and sockets have to be changed on a regular basis.

Decontactor advantage:
MARECHAL decontactors’ metal or glassfibre reinforced polyester (GRP) casings resist shocks. Their silver-nickel contacts are corrosion resistant and withstand temperature changes (-40°C and +60°C)

High amperage equipment
Often plugs and sockets with high amperage are difficult to disconnect because of size and contact over-heating.

PF advantage:
MARECHAL’s PF series plugs and sockets can handle up to 600A/1000V. Butt-contact technology allows easy connection and disconnection and silver-nickel contact tips guarantee superior conductivity and reliability regardless of climatic conditions.

Public safety
Sockets-outlets in public area can be misused and could lead to injuries for adults and children.

Decontactor advantage:
Access to the electrical contacts is protected by IP4X protection against foreign objects and hazardous parts. The socket-outlet contacts are kept clean and inaccessible even when the lid is opened.