

# FOOD & BEVERAGE INDUSTRIES

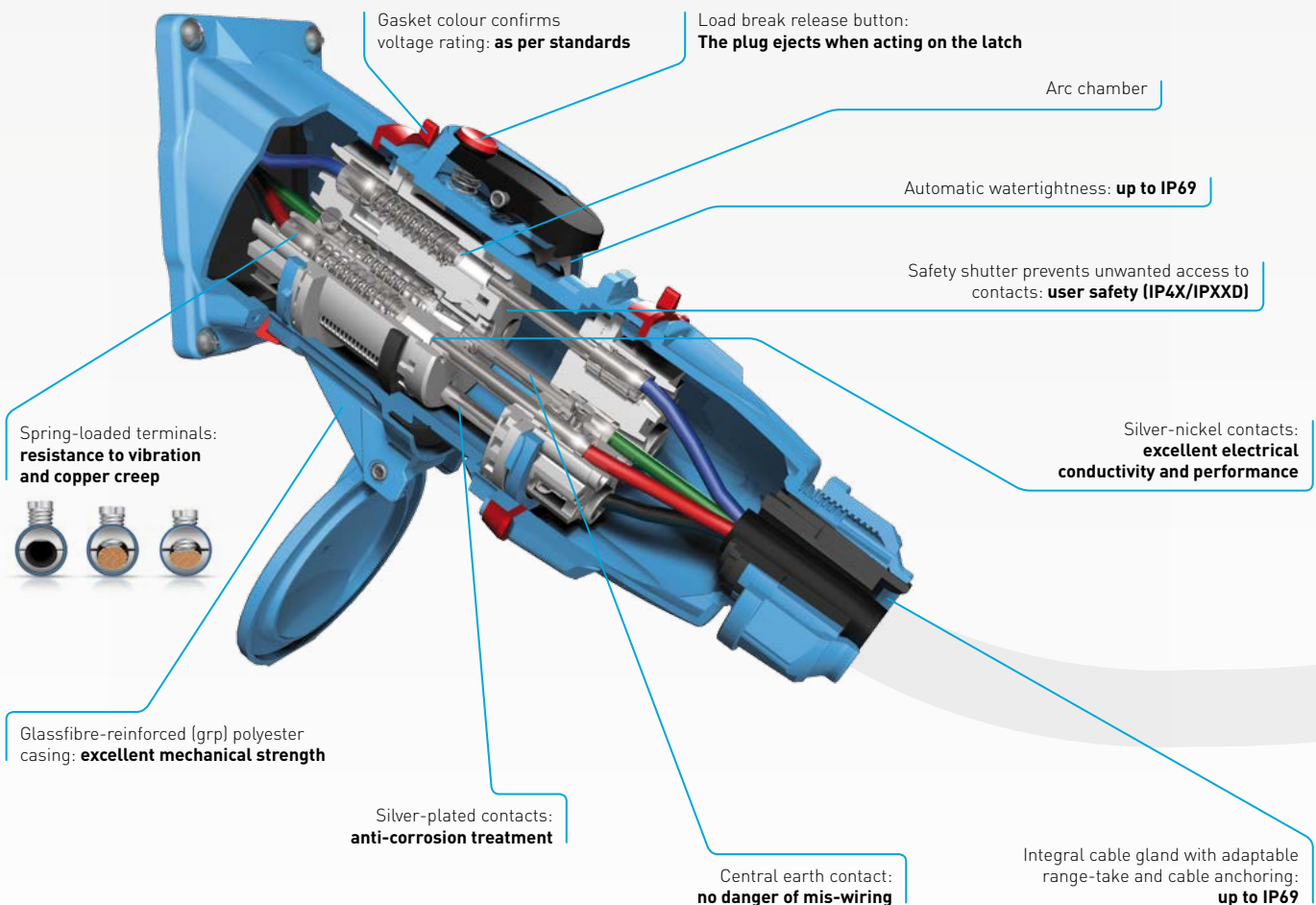


INDUSTRIAL PLUGS & SOCKET-OUTLETS,  
DECONTACTOR™ & BOXES

# MARECHAL® technology: Faster. Safer. Easier.

## MARECHAL ELECTRIC offers a range of products suited to your applications.

The MARECHAL® industrial electrical power socket has a built-in switching function called DECONTACTOR™. This technology makes it possible to connect and disconnect motors in absolute safety, with the ease of "Plug & Play". MARECHAL® industrial electrical power sockets provide unequalled strength over time and guarantee fast and safe operation during maintenance work. They comply with the IEC EN 60309-1 standard and the European Low Voltage Directive.



### DECONTACTOR™ technology: tested safety

- A socket with built-in switch in a compact unit
- Simply pressing the button once cuts off the current and eliminates all risk of electrical arcing.
- The plugs then eject automatically and the appliance is off-load.
- The safety of users is guaranteed at all times.

### Connection quality and life expectancy

MARECHAL® products are fitted with spring-loaded contacts providing permanent and durable contact. The silver-nickel tips at the end of the contacts provide exceptional connection quality and excellent resistance to wet and corrosive environments, even after years of use.



### IP66/IP67/IP69K sealing

The reinforced IP66/IP67 watertightness is effective automatically upon connecting the socket or upon closing the lid. It enables the product to be used in extremely wet or dusty environments. Some of our plugs are available up to IP69k for high-pressure cleaning at 100 bar and 80 °C.

### Fast and safe connection under any circumstances



The socket latch holds the plug in the socket against the force of the internal spring. This ensures the plug is watertight and that the appliance will start up properly. When the plug is pulled out the safety shutter in the socket prevents access to the live parts.

# Products that meet your needs

It's watertight, it's robust, it's resistant to chemicals and it answers your need for plant safety – the DECONTACTOR™ solves your connection problems. Whether a fixed supply or for mobile machines the decontactor's simplicity of use makes the user's life easy and enhances your production.

## Humid & corrosive environments

Our design uses silver-nickel butt contacts which resist corrosion even after years of operation. The automatic socket seal resists steam cleaning, water jetting and chemicals.

## User operation in fatty or humid environments

Even if wearing protective gloves the operator can simply press the release button. This ejects the plug to a parked position. A quarter turn removes the now dead plug from its socket. NB: Our in-line connections are also switched – for extra safety.

## Robust requirements

The glassfibre-reinforced casings resist accidental damage (IK08) as well as operating happily at temperatures between -40 °C and +60 °C.

## Motor connections

Acts as local isolation, padlocking available ON/OFF.

## Hazardous areas

Wide range of plugs and socket-outlets and boxes for explosive atmospheres in accordance with ATEX Directive 2014/34/EU and used in Zones 1 and 2 (gas) and Zone 21 and Zone 22 (dust).

## Our selection



### DSN

#### DECONTACTOR™ 20 A / 32 A / 63 A

Covering sizes from 20 to 63 A, DSN DECONTACTOR™ plugs are noted for their compactness of size. The socket + plug combination is automatically IP66/IP67 as soon as the plug is inserted or once the cover is closed manually.

- Automatic IP66/IP67/IP69K
- Built-in AC-22 and AC-23 switching capability complying with IEC-EN 60947-3
- Shock-resistant GRP casing



### MULTICONTACTS CONNECTORS

From 7 to 37 contacts  
From 16 to 25 A

MARECHAL® multicontact connectors are used for signal and control applications. The solid silver-nickel contacts ensure superior conductivity, electrical performance and durability.

Also the materials used for the bodies resist extreme conditions in harsh environments.

Crimping ensures quick and easy assembly and disassembly and provide an economical and sustainable solution.



### PNC

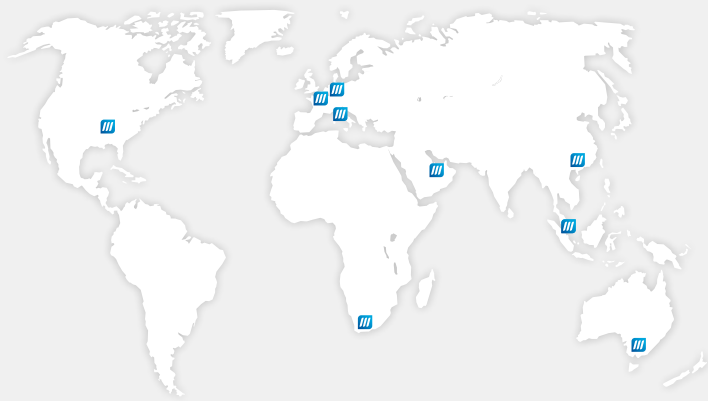
#### CONNECTOR 16 A

The PNC is a compact and rugged connector designed for all types of aggressive environments (humidity, corrosion, pollution). MARECHAL®'s technically advanced silver-nickel butt contact system assures next level performance no matter the conditions.

- Glassfibre reinforced thermoplastic UL94 V-0
- IP66/IP67 as standard (IP68 on request)
- Long life







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# A wide range, suitable for all industrial sectors

## **INDUSTRIAL POWER SUPPLY**

**DSN** - DECONTACTOR™ compact & watertight - from 20 A to 63 A  
**DS** - DECONTACTOR™ for industry - from 30 A to 250 A  
**DN** - Robust DECONTACTOR™ - from 20 A to 90 A  
**PNC** - Compact connector - up to 16 A  
**PN** - Compact connector - up to 30 A  
**STAR DELTA** - 7 pole DECONTACTOR™ & connectors from 30 A to 50 A  
**DB** - Disconnectable motor switch - up to 45 kW

## **SIGNAL AND CONTROL**

**PN7C, DN9C, PN12C, DN20C, DSN24C, DSN37C**  
**MULTI**-contact connectors up to 37 contacts - from 5 A to 30 A

## **HIGH CURRENT**

**PF** - Heavy-duty plugs & sockets - up to 600 A /8 aux.  
**DS4** - High-current connectors - up to 400 A + pilots  
**CS1000** - Single-pole power connectors - up to 400 A  
**SP** - Single-pole power connectors - up to 700 A + pilots  
**CS** - Single-pole welding connectors - from 75 A to 250 A

## **HIGH TEMPERATURE**

**PNHT/DSHT** - Power connectors

## **SELF-EJECTING**

**MECHANICAL EJECTION PLUGS & SOCKETS**  
**ELECTROMECHANICAL EJECTION BOXES**

## **DISTRIBUTION BOXES AND OTHER PRODUCTS**

**BM** - Modular boxes  
**BG** - Liquefied gas transfer boxes  
**CD** - Socket-outlets with protection  
**BRP** - Portable service boxes  
**CRIC** - Connection terminals  
**TUNNELS** - Boxes and connectors

## **HAZARDOUS AREAS - Ex products**

**DXN** - DECONTACTOR™ compact & watertight - from 20 A to 63 A  
**DX** - DECONTACTOR™ metal - from 20 A to 200 A  
**PNCX** - Compact connector - up to 10 A  
**PXN12C, DXN25C, DXN37C** - Multi-contact connectors from 12 to 37 contacts  
**SPEX** - Single-pole power connectors - up to 680 A - 1 000 V  
**MXBS** - Socket boxes - up to 63 A - 750 V  
**MXBJ** - Junction boxes - up to 350 A - 750 V  
**B2X** - Distribution boxes - up to 750 V

**For any other country or area, please contact head office.**

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 **MARECHAL  
ELECTRIC**

MARECHAL® MELTRIC® RETTBOX® TECHNOR®