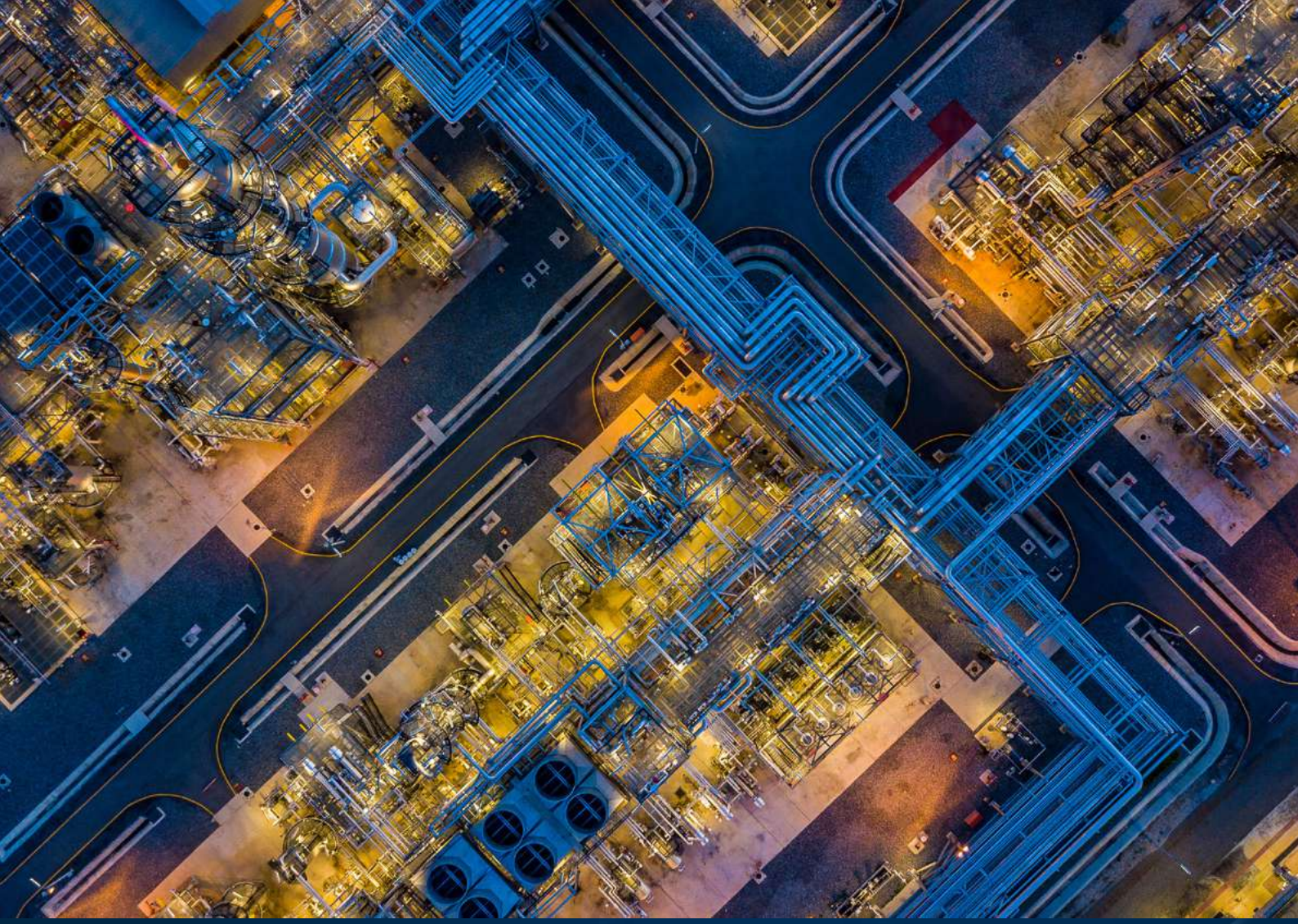
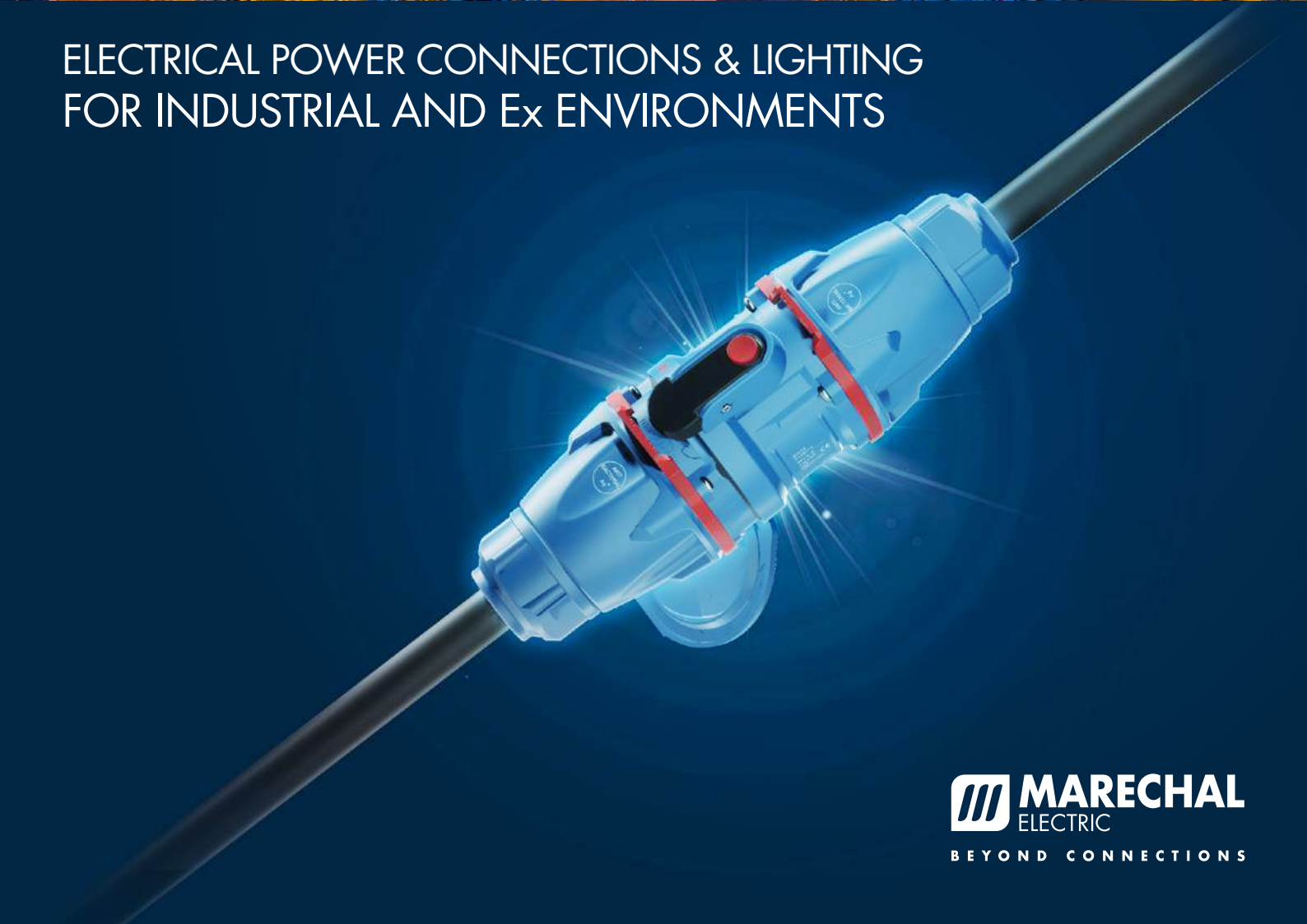


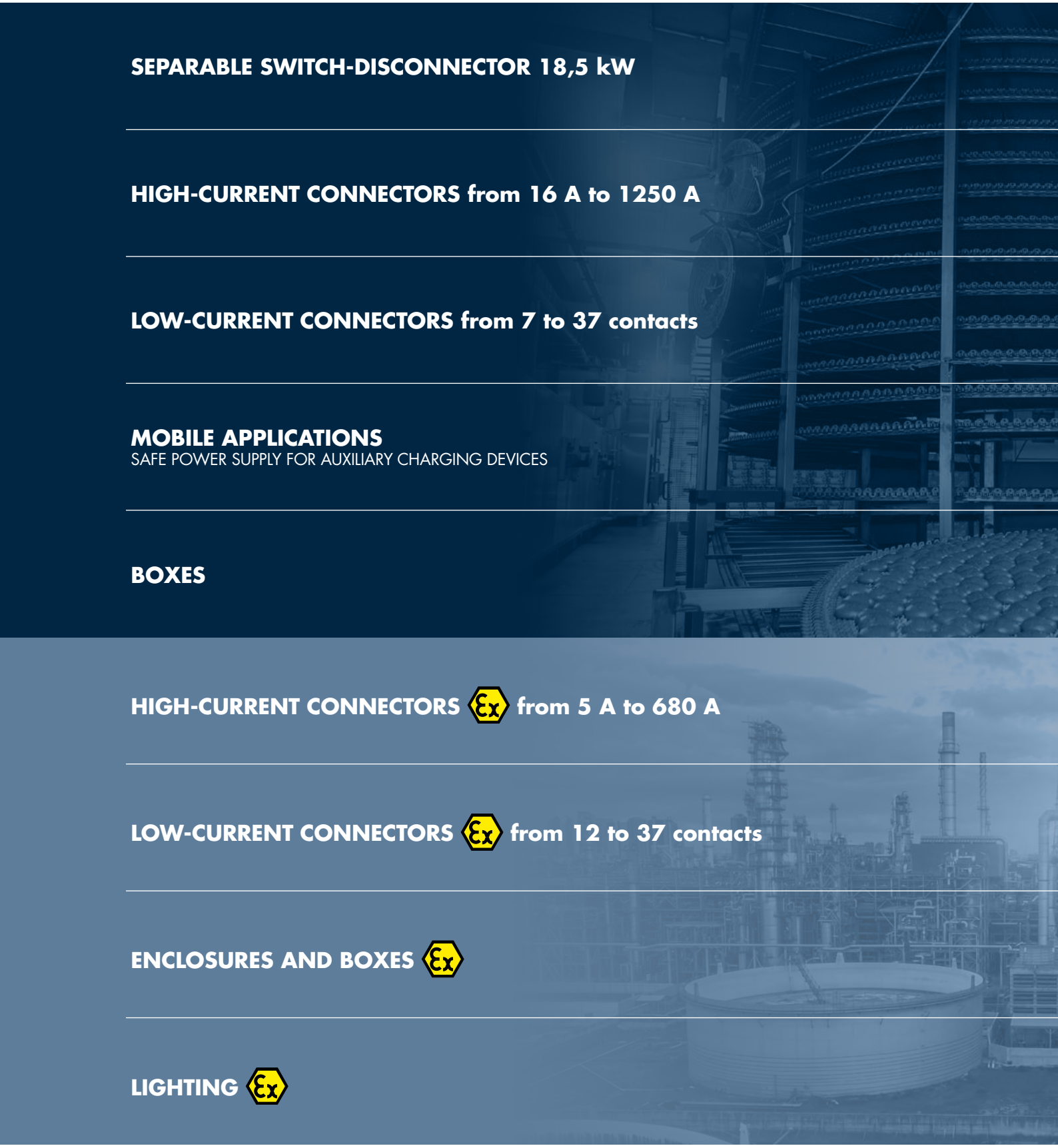
ELECTRICAL POWER CONNECTIONS & LIGHTING FOR INDUSTRIAL AND Ex ENVIRONMENTS



MARECHAL ELECTRIC

BEYOND CONNECTIONS

MARECHAL ELECTRIC



SEPARABLE SWITCH-DISCONNECTOR 18,5 kW

HIGH-CURRENT CONNECTORS from 16 A to 1250 A

LOW-CURRENT CONNECTORS from 7 to 37 contacts

MOBILE APPLICATIONS
SAFE POWER SUPPLY FOR AUXILIARY CHARGING DEVICES

BOXES

HIGH-CURRENT CONNECTORS from 5 A to 680 A

LOW-CURRENT CONNECTORS from 12 to 37 contacts

ENCLOSURES AND BOXES

LIGHTING

OPTIONS AND SPARE PARTS

					PAGE
The Group	Standards, R&D and Certifications	Expertise	Energy efficiency	Terminology and characteristics	4
Expertise EVO	EVO40				40
Plugs and socket-outlets From 16 A up to 660 A	DECONTACTOR™ socket with integrated switch From 20 A up to 250 A	Single-pole connectors From 400 A up to 1250 A			48
Multicontact connectors					160
DECONTACTOR™ with electro-mechanical ejection	DECONTACTOR™ with mechanical ejection	Anti engine start up plug & socket-outlet	Distribution boxes		192
Distribution and junction	Custom solutions	Solutions for tunnels			216
Expertise Explosive Atmosphere	Plugs and socket-outlets From 5 A up to 63 A	DECONTACTOR™ socket with integrated switch From 20 A up to 200 A	Single-pole connectors 680 A		250
Multicontact connectors					308
Distribution and junction	Increased safety	Distribution and junction			322
Linear	Floodlight	Lantern	Visual signal		338
Options	Configure your product	Spare parts			342

MARECHAL ELECTRIC GROUP

Since its establishment in 1952, MARECHAL ELECTRIC has become a key player in the field of electrical power connections, specifically designed for industrial environments and hazardous areas. With over 70 years of expertise, the Group is now recognised for its innovative and highly secure electrical solutions, meeting the needs of the most demanding industries.
Safety, durability, and innovation are the cornerstones of our success. We strive to consistently exceed industry standards, offering products of excellence capable of addressing the most ambitious challenges.

A FRENCH GROUP WITH A GLOBAL REACH

MARECHAL ELECTRIC is an independent French Group with a significant international presence. With subsidiaries, production sites, sales offices, and a strong network of partners spread across five continents, the company maintains long-standing relationships with over 15,000 clients, delivering to more than 120 countries. Among our loyal customers, we count global leaders such as Lactalis, AIRBUS, Aramco, Arcelor, BHP Billiton, BOEING, CEPSA, EDF, McDonald's, Nestlé, Pepsi, Rio Tinto, Sasol, SNCF, Technip, Total, Transnet, and Universal Studios. This global footprint allows us to supply high-quality products that comply with both local and international standards, while providing close proximity services and tailored solutions to meet the specific needs of each market. Our products are designed for a variety of sectors, including food processing, chemicals, energy, aerospace, rail, entertainment, and many more.

MARECHAL ELECTRIC GROUP

550
EMPLOYEES

3 BRANDS
MARECHAL®
MELTRIC®
TECHNOR®

€160 M
CONSOLIDATED TURNOVER

+15 000
CLIENTS

120
COUNTRIES DELIVERED

MANUFACTURED
IN FRANCE

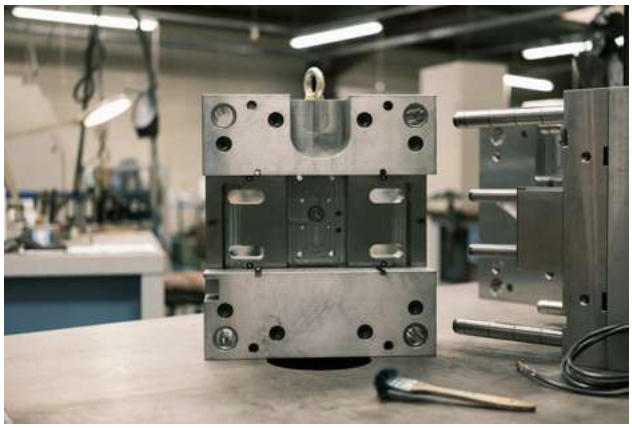
A LEGACY OF INNOVATION AND EXCELLENCE

MARECHAL ELECTRIC was founded with a single purpose: to enhance electrical safety in industry. Our flagship product, the DECONTACTOR™, embodies our commitment to safety and innovation. Its unique worldwide technology allows for live disconnection up to 250 A, eliminating any risk of electric arc and thus preventing accidents. This technical innovation ensures not only user safety but also durable and reliable performance in the most demanding environments.
Innovation is a fundamental pillar of the Group, and MARECHAL ELECTRIC invests 5% of its annual turnover in research and development to create, develop, and adapt its offerings. This R&D dynamism allows us to maintain our leadership and offer cutting-edge technology products, while ensuring compatibility with existing product lines. Our Bureau Veritas LCIE accredited laboratory enables us to conduct rigorous pre-tests and product qualifications, thus guaranteeing optimal quality and safety.

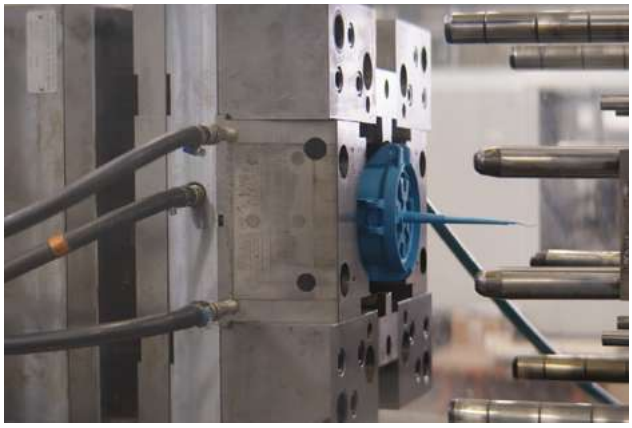
INTEGRATED AND HIGH-QUALITY PRODUCTION

Our production sites in South Africa, Germany, Australia, the United States, France, and Italy are certified to ISO 9001, DIN EN ISO 9001, UL, ATEX, and IECEx standards, reflecting the Group's rigorous and high-quality production processes. These facilities are dedicated to the manufacturing, assembly, testing, and shipping of our products. This vertical integration enables us to control every step of the production process, ensuring the exceptional quality of our products.

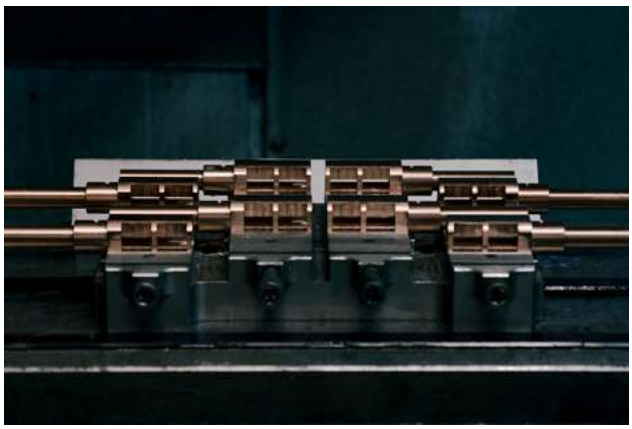
INTEGRATED R&D



MOULD DESIGN



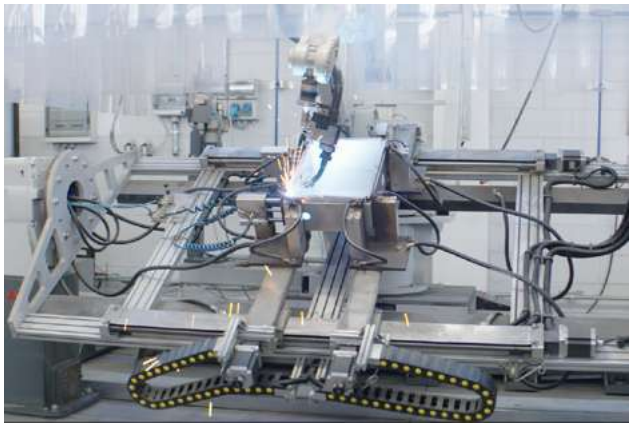
INJECTION PROCESS



INJECTION PROCESS

CONTACT SOLDERING

ACCREDITED TEST LABORATORY



BENDING AND WELDING

ASSEMBLY, CONTROL & SHIPPING >

COMMITMENT TO INTERNATIONAL STANDARDS AND REGULATIONS

MARECHAL ELECTRIC plays an active role in international standardisation committees. We provide the Secretariat for the SC 23H technical committees of IEC/TC 23H of CENELEC – Industrial power connectors. We also chair the French technical committee UF 23H and participate in various technical committees (IEC and CENELEC) such as TC 18, TC 31, TC 64, and SC 121A. This involvement ensures that our products comply with the strictest safety standards and the requirements of international markets.

GROUP BRANDS

- MARECHAL®: electrical power connections for industrial & Ex applications to IEC standards.
- MELTRIC®: electrical power connections for industrial & Ex applications to UL/CSA standards.
- TECHNOR®: acquired by the Group in 2013, this brand specialises in products for explosive atmospheres, offering bespoke solutions: lighting, enclosures, control boxes, etc.

A WIDE RANGE OF PRODUCTS FOR DIVERSE MARKETS AND APPLICATIONS

The MARECHAL® and TECHNOR® brands offer a full range of solutions suited to numerous industrial sectors, including heavy industry, mining and quarries, water treatment, infrastructure, and environments requiring strict hygiene standards such as food processing and pharmaceuticals. Each product is designed to meet these specific needs, whether for new projects or refurbishments.
Whether for critical applications, or in humid, explosive, or corrosive environments, MARECHAL ELECTRIC offers robust, reliable, and adaptable solutions.

A CLOSE PARTNERSHIP WITH OUR CLIENTS

Customer satisfaction is at the heart of our approach. We develop strong and lasting partnerships by providing high-quality technical support and adapting our solutions to meet the specific requirements of each project, ensuring a comprehensive response.

TECHNOLOGY AND SUSTAINABILITY SERVING INDUSTRY

The contact technology used in our products is designed to ensure a reliable and long-lasting connection. Thanks to robust materials and strict manufacturing processes, our solutions guarantee outstanding performance and proven longevity. This approach is supported by high-quality after-sales service and the availability of spare parts, ensuring simplified and efficient maintenance.

OUR CORE VALUES

MARECHAL ELECTRIC is more than just a technological company; it is an organisation based on strong human values that guide each of our actions:

- safety: every product we design, every decision we make, and every development initiative we undertake prioritises the safety of our customers,
- commitment: our teams, composed of nearly 550 professionals throughout the world, are dedicated to designing, manufacturing, testing, and delivering products with the highest expertise,
- value creation: listening to our customers' needs is essential to designing, improving, and customising our solutions to meet their expectations,
- eco-responsibility: investing in MARECHAL ELECTRIC solutions ensures a measurable return throughout the product life cycle, promoting sustainability and repairability.

APPLICABLE STANDARDS AND DIRECTIVES

LOW VOLTAGE DIRECTIVE (LVD) 2014/35/EU

The LVD applies to all electrical equipment with a voltage rating of up to 1,000 V AC/1,500 V DC. It governs the design and manufacture of equipment to ensure compliance with essential health and safety requirements for people and property before being placed on the market. Manufacturers may refer to harmonised standards. Compliance with these standards is presumed to demonstrate conformity with the LVD.

All MARECHAL® appliances are consistent with the LVD and are manufactured within the framework of an ISO 9001 quality control system.

EUROPEAN "MACHINERY" DIRECTIVE 2006/42/EC

This directive governs the design, manufacture, and placing on the market of industrial machinery. Machines must not compromise the health or safety of persons during normal operation or during inspection and maintenance phases necessary for the proper functioning of the equipment.
The use of our products helps ensure machine compliance with the directive, particularly in terms of local functional stopping and safe isolation from energy sources during maintenance operations.

Directive extracts:

- Normal stop – Article 1.2.4.1: *"The machinery must be fitted with a control device to bring it safely to a complete stop.*
  Each workstation must be equipped with a control device to stop all or part of the machine's functions, depending on the hazards involved, in order to put the machine in a safe condition."
- Maintenance – Article 1.6.3: *"The machinery must be equipped with devices to isolate it from all energy sources. [...]*
  Where the machine is powered by an electrical socket, unplugging is sufficient, provided that the operator can verify from all accessible areas that the plug has been removed."

MARECHAL® DECONTACTOR™ plugs and sockets incorporate a switch suitable for normal stopping of machines.

MARECHAL® devices can be locked and padlocked. They are compatible with electrical lockout/tagout procedures.

OTHER LOCAL REGULATIONS

Our products comply with:

- the French Labour Code, Article R.4226-12,
- the Spanish Royal Decree 842/2002 REBT, ITC-BT-19,
- the American standard NFPA70E.

INTERNATIONAL STANDARDS

IEC/EN (world/European Union)

MARECHAL® devices comply with the following standards:

- IEC/EN 60309-1 :
  power outlets for industrial uses - Part 1: General rules
- IEC/EN 60309-4 :
  Power outlets for industrial uses - Part 4: Switched socket-outlets and connectors with or without interlock.

The break capacity of the MARECHAL® DECONTACTOR™ is tested according to the following standard:

- IEC/EN 60947-3 : low voltage appliances - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units.

For specific uses, the MARECHAL® appliances comply with the following standard:

- IEC/EN 61984 : connectors.

All MARECHAL products for ATEX comply with the following standard:

- IEC/EN 60079: explosive atmosphere.

UL/CSA (North America)

MARECHAL® devices comply with the following standards:

- UL 1682 (United States) and CSA C22.2 N° 182.1-07 (Canada) : power sockets and connectors.
- UL 2682 (United States) : power sockets with break capacity for motor connection.
- UL 2238 (États-Unis) : Assemblages de câbles et raccords pour le contrôle industriel et la distribution de signaux.

MATERIALS

EUROPEAN DIRECTIVE 2014/34/EU

The ATEX Directive 2014/34/EU, known as the 'New Approach', applies to explosion protection systems and all equipment used in or associated with potentially explosive atmospheres, such as electrical and non-electrical equipment, components and devices for safety, control and adjustment necessary for the safe operation of such equipment, and protection systems. European Directive 2014/34/EU defines the essential health and safety requirements that must be met by all manufacturers. Equipment falling within the scope of the European Directive and meeting the essential health and safety requirements is identified by a label bearing the logo Ex.

EUROPEAN DIRECTIVE 1999/92/EC

Directive 1999/92/EC aims to improve the safety and health protection of workers potentially at risk from explosive atmospheres. Site managers are required to:

- prevent the formation of explosive atmospheres or, if this is not possible, prevent the ignition of explosive atmospheres,
- assess the specific risks associated with explosive atmospheres and draw up and keep up to date an explosion protection document,
- classify places where explosive atmospheres may occur into zones,
- mitigate the harmful effects of an explosion to protect workers' health and safety (installing the necessary equipment, organisational measures such as staff training, etc.)

IECEx

The IECEx system is a voluntary certification system based on international standards for electrical and non-electrical equipment intended for use in potentially explosive atmospheres. Its purpose is to facilitate the international movement of equipment intended for use in potentially explosive atmospheres. (in accordance with one or more international standards defining the type of protection against the risk of explosion), thereby simplifying multiple national certifications and ensuring an appropriate level of safety. The IECEx certification system enables manufacturers of Ex equipment to obtain a certificate of conformity that is recognised by the bodies that are members of this organisation. Some countries, such as Australia, recognise this certification as national conformity.

FIND OUT MORE ABOUT OUR EXPERTISE AND SOLUTIONS FOR POTENTIALLY EXPLOSIVE ATMOSPHERES ON PAGE 250

RESEARCH AND DEVELOPMENT

THE MARECHAL ELECTRIC GROUP R&D DEPARTMENT HAS

- MARECHAL®, DECONTACTOR™ and TECHNOR® trademarks registered in more than 50 countries
- Almost 75 registered patents
- Industrial designs
- Product certificates
- Material certificates

MARECHAL ELECTRIC is equipped with a laboratory, approved by Bureau Veritas LCIE (Laboratoire Central des Industries Electriques en France) for product testing and certification. Every year, 5% of the turnover is allocated to research and development in order to create, develop and adapt our products for all industries.

MARECHAL ELECTRIC's suppliers are also involved in the quality management chain. Integrated or carefully selected, they contribute to our development processes. Internally, open and constructive communication and a commitment to responsible management increase the quality awareness and innovative capacity of our staff.

ISO/UL CERTIFICATION

THE ISO QUALITY SYSTEM IS BASED ON THE FOLLOWING OBJECTIVES:

- Improving processes at all levels.
- Achieve the ISO 9001 level of quality expected by our customers.
- Design and manufacture in France.
- Train and motivate employees.

Each site manufactures and/or assembles thousands of standard and customised products.

OUR SITES ARE CERTIFIED:

- ISO 9001 (Germany, USA, Singapore, France, Italy).
- ATEX / IECEx (France, Italy).
- UL/CSA (United States).
- ISO 14001 (Italy).

CASINGS MADE FROM TECHNICAL MATERIALS

MARECHAL® equipment uses glass-fibre reinforced polymer (GRP) or metal casings, depending on the model.
This choice of material gives the socket-outlet excellent mechanical performance and contributes to its longer lifespan.

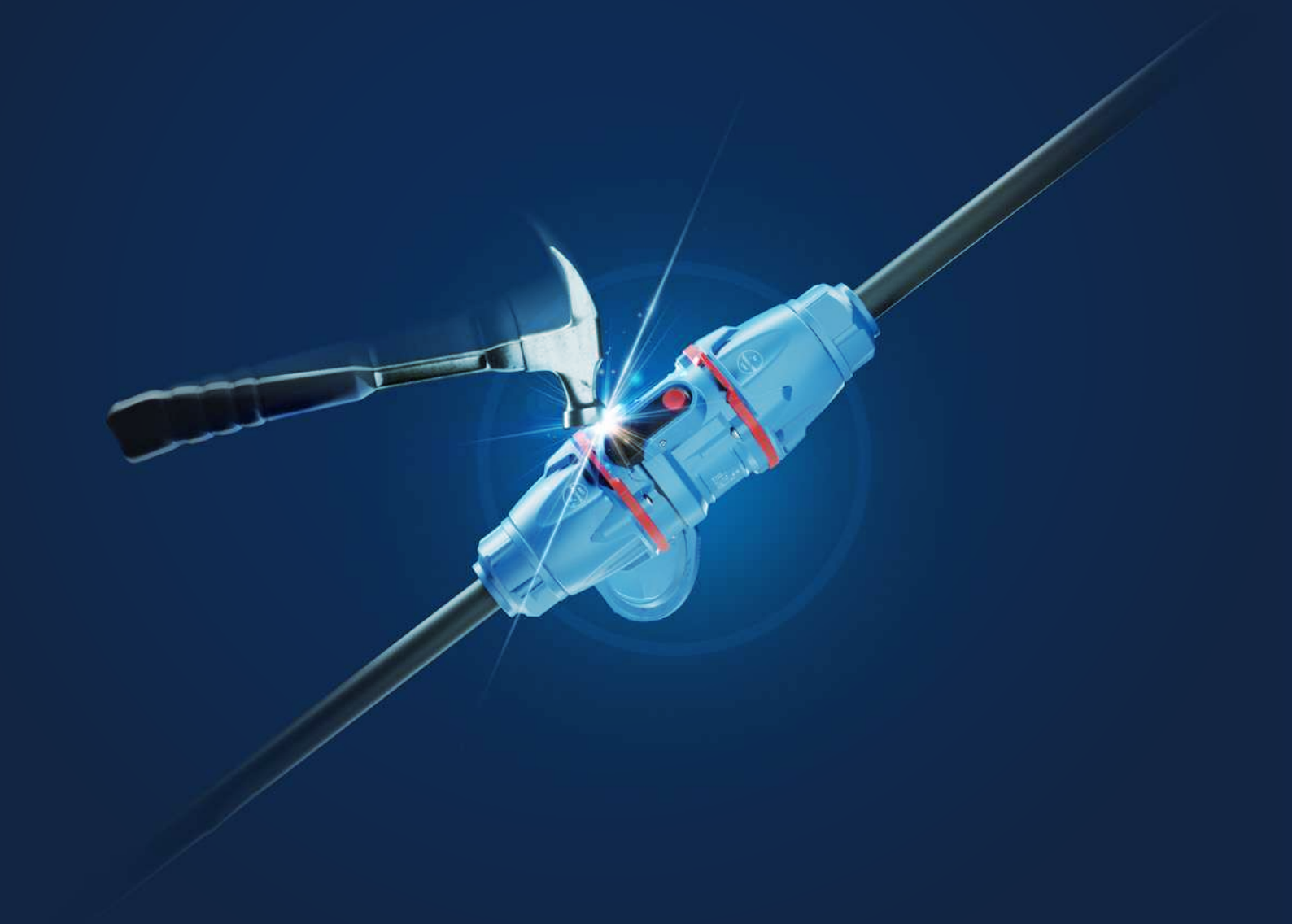
Unmatched, tested, and high-performing solutions.
MARECHAL® devices are designed to withstand extreme environments, including shocks, drops, vibrations, wear, high operating temperatures, corrosion, chemicals, and ultraviolet (UV) rays.
Fully repairable, from the contact to the enclosure, they are perfectly suited to endure the test of time.

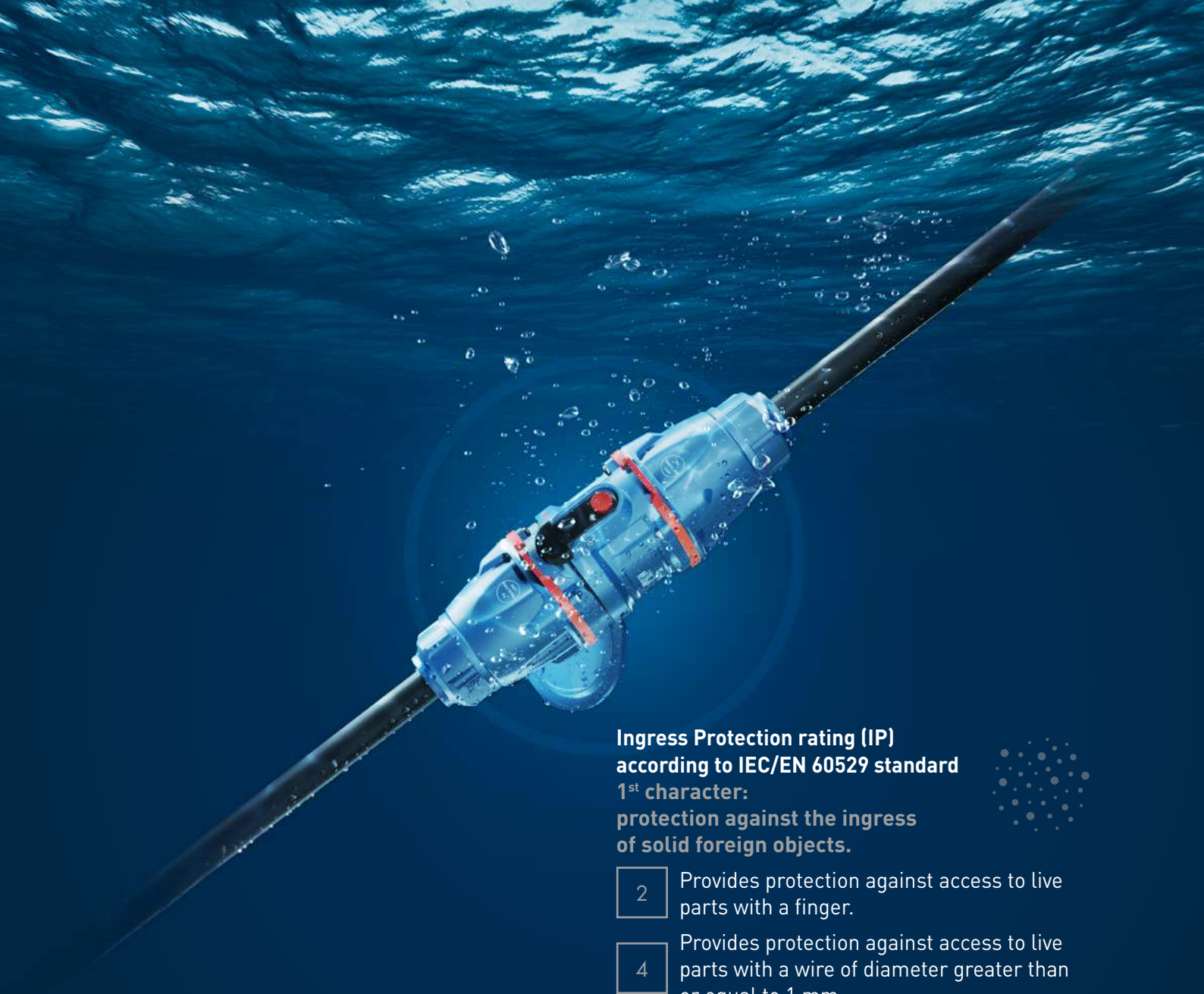
Designed and manufactured entirely in our R&D centres and production facilities in France, our products are the best ambassadors of our brand, a guarantee of unique quality.
A constant pursuit of excellence, from design to execution, where every product meets extreme durability criteria, even in the harshest conditions.

In terms of mechanical resistance, MARECHAL® connectors are designed and qualified according to the IK08, IK09, and IK10 requirements of the IEC 62262 standard.

Impact resistance index according to IEC/EN 62262:

- IK08 — Energy released during impact: 5 joules (represented by a shock with a 2 kg mass at 25 cm).
- IK09 — Energy released during impact: 10 joules (represented by a shock with a 2 kg mass at 50 cm).
- IK10 — Energy released during impact: 20 joules (represented by a shock with a 2 kg mass at 100 cm).





AUTOMATIC INGRESS PROTECTION

The simple connection of our plugs and socket-outlets provides immediate tightness without any additional action.
Many industrial environments may involve the presence of solids and liquids. It is essential to select and use the right electrical equipment to guarantee personal safety, protect equipment and ensure uninterrupted industrial operations.

The Ingress Protection (IP) Rating assesses a product's resistance to the intrusion of solid bodies and liquids.
Rated IP66/IP67/IP69, MARECHAL® devices are designed for use in the most demanding environments, withstanding frequent washdowns in production areas, including high-pressure and high-temperature cleaning. Our devices are resistant to chemicals and can endure even the most aggressive cleaning agents.

Ingress Protection rating (IP) according to IEC/EN 60529 standard

1st character: protection against the ingress of solid foreign objects.

2	Provides protection against access to live parts with a finger.
4	Provides protection against access to live parts with a wire of diameter greater than or equal to 1 mm.
5	Provides protection against dust.
6	Dust-tight.

2nd character: protection against the ingress of water.

4	Provides protection against water splashes from all directions.
5	Provides protection against water jets from a nozzle, from all directions.
6	Provides protection against powerful water jets (fire hose).
7	Provides protection against the effects of immersion for 30 minutes at a depth of 1 metre.
8	Provides protection against the effects of prolonged immersion under water, as certified by the manufacturer.
9	Provides protection against high-pressure and high-temperature water jets.

ANTIBACTERIAL

A new safety requirement
Made from a selection of resistant materials, our poly handles, injected with silver ions (AG+), provide an effective, long-lasting barrier that limits the proliferation of bacteria.

A wide range of applications
Pharmaceutical industry, food industry, chemical industry, healthcare facilities, industrial kitchens, water treatment... all sectors of activity are concerned. The high temperature tolerance of the antibacterial additive makes it ideal for use in all high temperature cleaning processes.

Simple, precise identification
The laser marking on the handle guarantees antibacterial treatment.

Excellent performance
Mechanical performance, watertightness and UV resistance remain fully in line with MARECHAL® standards.

Healthy and safe environments
Using "antibacterial" treated accessories reduces the presence of microorganisms and the risk of contamination in many industries.

A long-lasting additive
The antibacterial additive is not a coating, it is injected into the mass.

Safe to use
The active ingredient complies with regulations on biocides.

Resistant to high temperatures
The antibacterial treatment applied to MARECHAL® products is resistant to high temperatures and retains its effectiveness.

AUXILIARY AND PILOTS CONTACTS

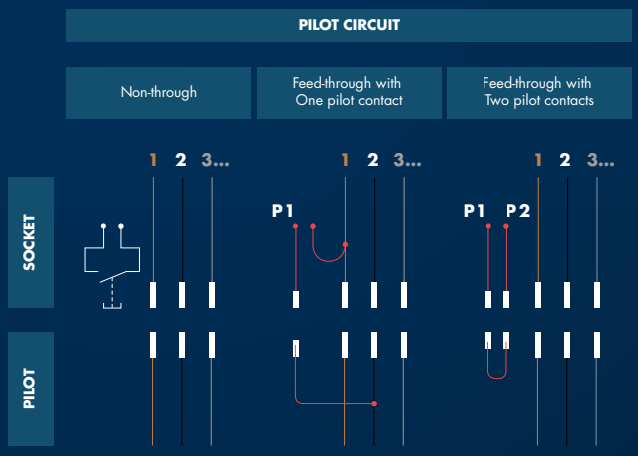
Auxiliary contacts

The integrated auxiliary contacts enable users to easily control equipment (sensors), and monitor various parameters (temperature, humidity, etc.) or trigger alarms.
MARECHAL® appliances incorporate up to 8 auxiliary contacts.
The auxiliary contacts are separate from the power contacts.

Pilot contacts

The function of pilot contacts is to electrically transmit the command to switch a socket on/off to an upstream switching device.
This switching device is controlled by:

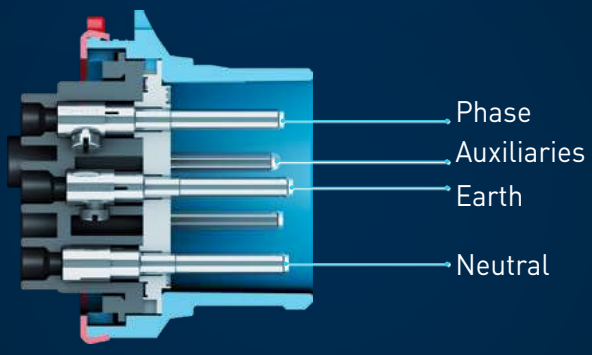
- A microswitch inside the socket (non-through pilot circuit), mechanically activated by the socket-outlet connection; or
- A contact or pair of contacts on the socket side and plug side (feed-through pilot circuit), closing last and opening first (LIFO: last-in/first-out).



Sequencing of high and low currents

MARECHAL® equipment contacts are installed in an orderly fashion to guarantee optimal operation in complete safety.
The sequencing operates as follows:
1 – Earth,
2 – Neutral,
3 – Phases,
4 – Auxiliary or pilot contacts.

During disconnection, the contacts open in the reverse order.
This design ensures that no arc occurs during connection or disconnection.



ELECTROMAGNETIC COMPATIBILITY

Reduces electromagnetic interference and guarantees optimal operation of your electrical equipment

Reduces electromagnetic interference and guarantees optimal operation of your electrical equipment

Electromagnetic Compatibility (E.M.C.) is the ability of a device to operate in an electromagnetic environment without causing electromagnetic interference itself.

What are the possible effects of electromagnetic interference?

- Industrial disturbances
- Malfunction of electronic equipment
- Impaired operation of equipment
- Safety risks
- Material damage
- Complete shutdown of an industrial process
- Disruption of wireless communication signals
- Errors in transmitted or stored data

MARECHAL® metal appliances for C.E.M. environments

MARECHAL ELECTRIC has developed a reliable and simple solution with excellent performance in electromagnetic environments, available for industrial ranges or ranges intended for potentially explosive atmospheres, for high currents up to 1,250 A, and for low currents up to 37 contacts.

This solution is particularly suitable for electromagnetic environments using variable speed drives for electric motors.

Variable speed drives incorporate power electronic switches (diodes, thyristors, bipolar transistors with insulated grids, etc.) to allow variation of the motor's power supply frequency, and therefore control its speed.

When switching these switches, harmful electro-magnetic pollution is generated, consisting of:
- Current/voltage harmonics.
- High-frequency (HF) interference, generally between 2 and 16 kHz.

This pollution can lead to operating losses caused by overloads or protection devices being triggered unexpectedly.

To reduce this interference, MARECHAL ELECTRIC's solution is to use equipment with metal enclosures and to combine them with metal accessories (handle, sleeve, wall-mounted box, spacer) with a cable gland fitted with suitable shielding.

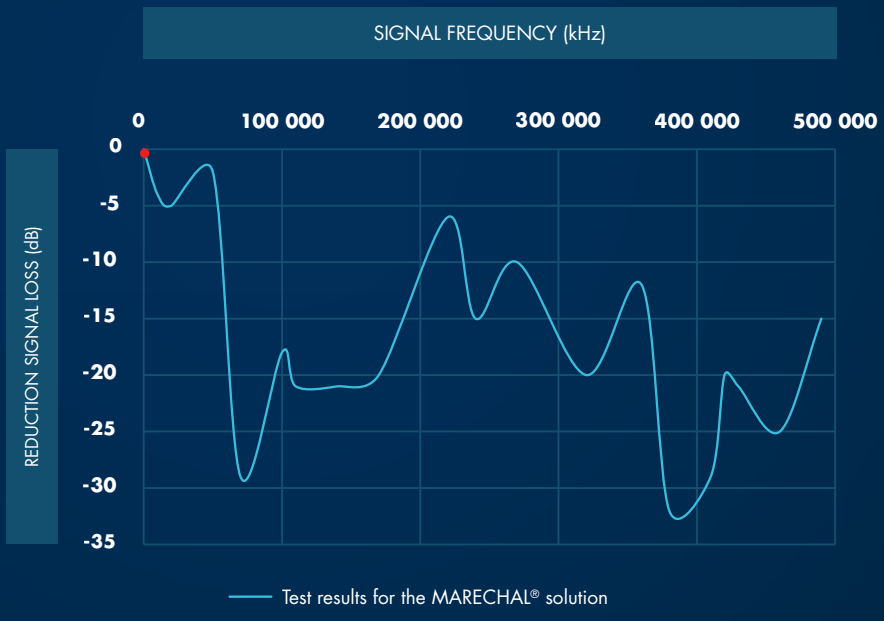
Effectiveness of shielding continuity for MARECHAL® equipment

This solution's performance was measured by the Laboratoire National d'Essais (LNE – France) based on the requirements of the ISO 11452-4 standard.

The results according to the frequencies considered are as follows:
- 0 Hz to 20 kHz (range of disturbances generated by variable speed drives): negligible losses of input signal power,
- 20 kHz to 500,000 kHz: input signal power losses between – 2 dB and -33 dB.

Equipment performance guaranteed

All the stated characteristics of our equipment in terms of sealing, mechanical strength and corrosion resistance are consistently maintained.



DECONTACTOR™ SOCKET-OUTLET + INTEGRATED SWITCH

A UNIQUE DESIGN

Backed by 70 years of research and innovation, the DECONTACTOR™ offers a level of reliability and safety unrivalled anywhere in the world. It allows appliances to be connected and disconnected thousands of times in the most demanding of environments, while eliminating any risk of an accident.

AN UNRIVALLED LEVEL OF SAFETY

Based on MARECHAL® technology, the DECONTACTOR™ plug socket-outlet enables you to connect and disconnect loads of up to 250 A/100 kW, without the addition of a pilot wire or associated switch, quickly and safely. So there's no need for qualified personnel.
You can connect and disconnect your machines in a matter of seconds:

- minimise downtime and production stoppages,
- make maintenance operations easier,
- and cut your costs

GUARANTEED COMPLIANCE OF YOUR ELECTRICAL INSTALLATIONS

DECONTACTOR™ meets all your operating constraints and complies with standards and regulations. Installed close to a motor or machine, it ensures the safety of operators against accidental start-up of electrical machines by performing the following functions:

- isolation: separation of contacts,
- maintenance disconnection: visible disconnection and load-breaking,
- emergency disconnection: load-breaking,
- lockout: for your Lockout Tagout procedures.

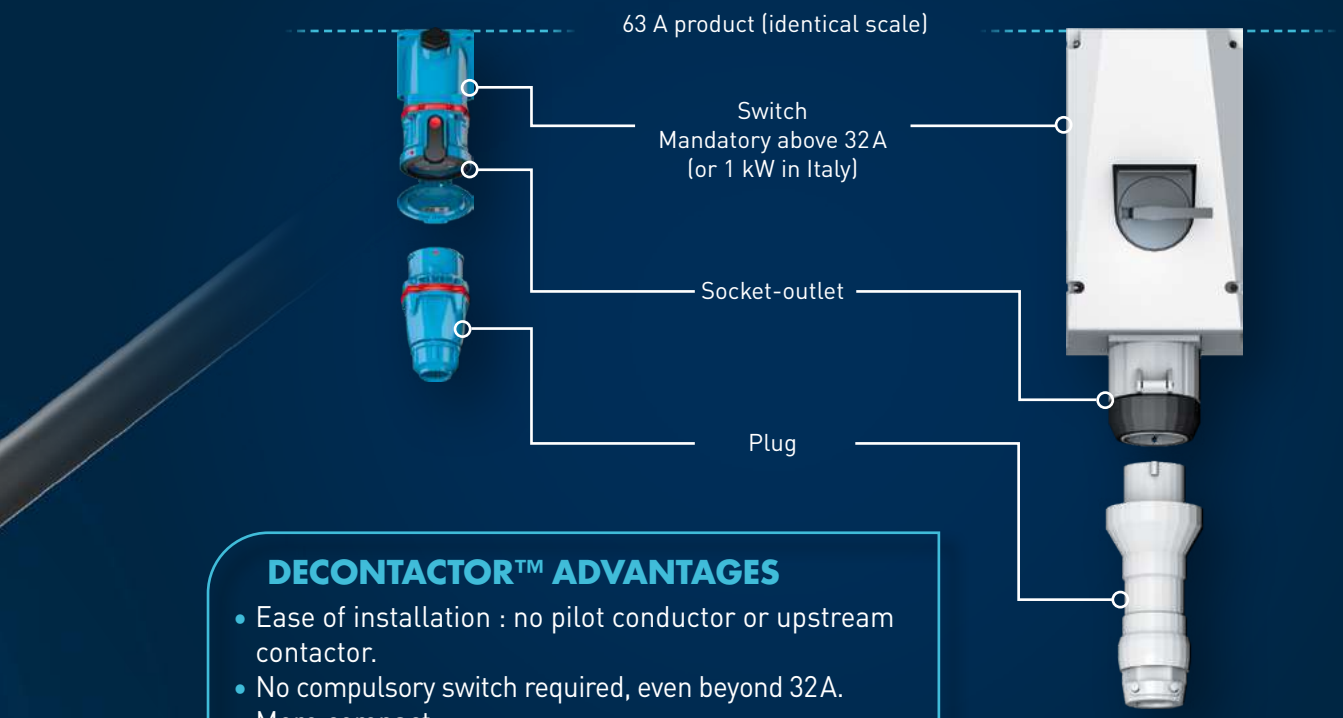
Breaking capacity according to IEC/EN 60947-3 standard

AC-21A	Resistive loads, including moderate overloads.
AC-22A	Mixed resistive and inductive loads, including moderate overloads.
AC-23A	Motor loads or other highly inductive loads.
AC-3	Motor loads or other highly inductive loads.
DC-21A	Resistive loads, including moderate overloads.

THE PERFECT COMBINATION OF DESIGN AND TECHNOLOGY

DECONTACTOR™
socket-outlet + integrated switch

CEE SOLUTION
Industrial socket with external switch



DECONTACTOR™ ADVANTAGES

- Ease of installation : no pilot conductor or upstream contactor.
- No compulsory switch required, even beyond 32 A.
- More compact.
- Cable extension possibility.

SOME COMPARISON ELEMENTS BETWEEN A CEE INDUSTRIAL CONNECTOR AND A DECONTACTOR™

	Available currents (A) [1]	Built-in switch [2]	Ingress protection [3]	Protection against access to hazardous parts [4]	Impact resistance [5]	Maximum pilot/ auxiliary contacts
CEE industrial connectors (IEC/EN 60309-2)	16, 32, 63, 125	No	Manual operation	IP2X/IPXXB	IK06 - IK08	1
DECONTACTOR™	**16, 20, 30, 32, 50, 63, 90, 100, 150, 250**	**Yes**	**Automatic IP66/IP67/IP69**	**IP4X/IPXXD**	**IK09 - IK10**	**6**

[1] Standard industrial connectors are limited by compatibility issues.
[2] According to IEC 60309-4 standard.
[3] DECONTACTOR™ are automatically watertight as there is no lid to screw on the socket side and/or ring to turn on the plug side.
[4] MARECHAL® devices offer optimum protection even with the lid open, thanks to the safety shutter.
[5] The materials used in our designs contribute to the excellent mechanical performance and durability of our ranges.

INTEGRATED SWITCH

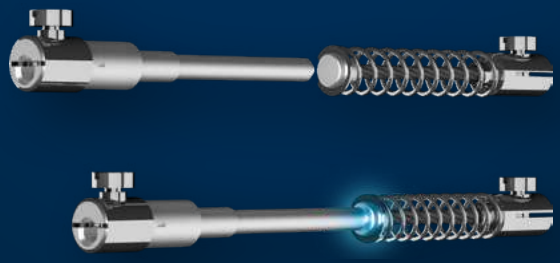
Designed to guarantee maximum electrical safety, it allows you to switch off while under load.
A simple push of the button cuts the current and prevents any risk of electric shock. The plug is then de-energised.

BUTT CONTACT WITH SILVER-NICKEL TIPS

All MARECHAL® DECONTACTOR™ are fitted with butt contacts with silver-nickel tips. These ensure exceptional connection and disconnection quality under load.

Silver, even when oxidised, is an excellent electrical conductor. Conductivity remains optimal even in the presence of vibrations and temperature fluctuations, thanks to the pressure exerted by the springs.

The MARECHAL® contact uses a crimped braid with a spring that ensures superior performance and tolerance compared to pin and sleeve contacts. The flexibility of the braid ensures that the socket-outlet contact tip is always perfectly aligned with the one on the plug. All MARECHAL® contacts are surface-treated to offer better resistance to corrosion than copper or brass.



1. Split terminal (allows constant force)
2. Conductor
3. Elliptical deforming ring (prevents loosening)

SPRING-ASSISTED TERMINALS

Loose terminals (and the resulting overheating) are one of the main causes of failure in electrical installations. It is caused by various factors:

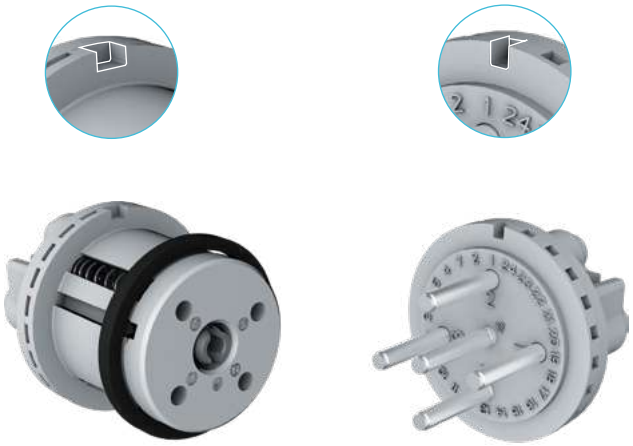
- Vibrations inherent to industrial installations
- Thermal cycles
- Settling of conductors
- Copper creep

MARECHAL® contacts are fitted with “spring-assisted” terminals. The wire clamp is split and circled by an elastic ring. This means that a constant clamping force can be maintained even in the presence of the risk factors listed above. The conductor is permanently and perfectly connected to the contact terminal, which avoids tightening operations.

SAFETY SHUTTER

For optimal user protection, the sockets are fitted with a safety shutter that prevents access to live contacts with a finger (IP2X/IPXXB) or with a tool of diameter ⩾ 1 mm (IP4X/IPXXD).

This shutter can only be unlocked with a compatible plug, ensuring that there is no risk of electric shock.



24 VOLTAGE/FREQUENCY CODING OPTIONS

There are 17 different voltages in the low voltage sector. Several of these can coexist on the same industrial site, along with varying frequencies, as well as the increasingly widespread need for direct current (for renewable energy production or storage, solar panels, wind turbines, etc.).

Our 24 keying positions allow you to create unique combinations of polarities, voltages, and frequencies.

As a result, only sockets and inlets designed with the same coding can be connected together.

The colours of the lines in the table opposite correspond to the IEC 60309-1 standard. These colours are present on the rings and labels of our sockets and inlets.

Voltage range	Frequency AC 50/60 Hz	Phasing	Keying positions
20-24 V AC	AC	2P, 2P+N 3P, 3+N	08
24 V AC	AC 60 Hz	2P, 2P+N 3P, 3+N	UL 02
25-28 V	AC	2P, 2P+N 3P, 3+N	06
40-48 V	AC	2P, 2P+N 3P, 3+N	13
125 V	AC 60 Hz	1P+N+E	UL 07
125 V 250 V	AC 60 Hz	2P+N+E, 3P+N+E	UL 07
110-130 V	AC	1P+N+E	03
110-130 V 190-250 V	AC	2P+N+E, 3P+N+E	03
110-130 V	DC	2P+E	10
110-130 V	AC 200 Hz	1P+N+E	12
110-130 V 190-250 V	AC 200 Hz	2P+N+E, 3P+N+E	12
110-130 V	AC 400 Hz	1P+N+E	11
110-130 V 190-250 V	AC 400 Hz	2P+N+E, 3P+N+E	11
120 V	AC 60 Hz	1P+N+E	16
120 V 208 V	AC 60 Hz	2P+N+E, 3P+N+E	16
190-250 V	AC	2P+E, 3P+E	03
190-250 V	AC 200 Hz	2P+E, 3P+E	12
190-250 V	AC 400 Hz	2P+E, 3P+E	11
208 V	AC 60 Hz	2P+E, 3P+E	UL 16
190-250 V	AC	1P+N+E	01
190-250 V 380-440 V	AC	2P+N+E, 3P+N+E	01
250 V	AC 60 Hz	2P+E, 3P+E	UL 07
190-250 V	DC	2P+E	20
277 V	AC 60 Hz	1P+N+E	UL 04
277 V 480 V	AC 60 Hz	2P+N+E, 3P+N+E	UL 04
380-440 V	AC 60 Hz	1P+N+E	UL 14
347 V 600 V	AC 60 Hz	2P+N+E, 3P+N+E	UL 14
380-440 V	AC	2P+E, 3P+E	01
380-400 V	AC	1P+N+E	19
480 V	AC 60 Hz	2P+E, 3P+E	UL 04
480-500 V	AC	2P+E, 3P+E	09
600 V	AC 60 Hz	2P+E, 3P+E	UL 14
660-690 V	AC	2P+E, 3P+E	19
1 000 V	AC	1P+N+E, 2P+E, 2P+N+E, 2P+N+E, 3P+E, 3P+N+E	22

3P+N+E plug
400 V

3P+E plug
400 V

3P+N+E socket-outlet
230/400 V

2P+E plug
400 V

1P+N+E plug
230 V

INSTALLATION SAVINGS: DUAL-VOLTAGE

MARECHAL®'s unique coding system also enables socket-outlets to offer a "dual voltage" system.

In fact, a single socket-outlet, for example 3P+N+E, offering 220/250 V AC and 380/440 V A at 50 Hz, can safely supply 4 plugs with the same coding, but different polarities and/or voltages:

- a 3P+N+E plug (four-pole) at 400 V AC, 50 Hz,
- a 3P+E three-phase plug at 400 V AC, 50 Hz,
- a 2P+E two-phase plug at 400 V AC, 50 Hz,
- a single-phase 1P+N+E plug at 230 V AC, 50 Hz.

SIMPLIFIED LOCKOUT TAGOUT PROCEDURES: LOCKOUT

Lockout/tagout prevents the accidental powering up or misuse of equipment during maintenance.

The use of the DECONTACTOR™ aligns with lockout/tagout (LOTO) procedures.

In close proximity to your machines or electric motors, lockout ensures the protection of your personnel without the need for a qualified electrician.

MARECHAL ELECTRIC provides you with a simple and rapid locking solution, applicable to both connected and disconnected sockets.

RÉDUISEZ LE NOMBRE D'OPÉRATIONS

Avec un branchement **DIRECT**

HABILITATION ÉLECTRIQUE REQUISE

Séparer : coupure au tableau
▶ Coupure visible

Cadenasser : au tableau

Identifier

Vérifier l'absence de tension électrique

Mettre à la terre

Avec une prise **DECONTACTOR™** OU Un interrupteur-sectionneur séparable **EVO**

PERSONNEL AUTORISÉ

Séparer : coupure locale
▶ Coupure visible

Séparer : coupure locale
▶ Coupure visible
▶ Coupure pleinement apparente

Cadenasser : en local

Identifier

- SANS RISQUE D'ERREUR → Sécurité des utilisateurs et des machines
- MISE EN ŒUVRE RAPIDE ET FACILE → Gain de temps
- CONTINUITÉ D'EXPLOITATION → Réduction des coûts

MISE EN SÉCURITÉ

ÉGALEMENT VALABLE POUR LES VERSIONS Ex

Utilisables en zones 1 et 2 (gaz) et zones 21 et 22 (poussières)
et certifiées selon la Directive Européenne 2014/34/UE (ATEX) et l'IECEx.

ENERGY EFFICIENCY

SUSTAINABLE AND ECO-EFFICIENT PRODUCTS

Electrification is on the rise and is becoming an important pillar of the energy transition.

This transition promises significant benefits for our environment.

Our vision as a responsible company is to support the electrification of industry while respecting the imperatives of sustainable development.

Thanks to their design, our products respond naturally to these challenges and we are ready to prove it to you.

Opting for MARECHAL ELECTRIC means choosing a technology that combines energy performance with a commitment to sustainable development.

- Reduce your electricity consumption.
- Reduce your maintenance costs: availability of spare parts.
- Reduce your carbon footprint.
- Long-lasting equipment thanks to high-performance, resistant materials.

SAFETY ENVIRONMENTAL CHARTER

MARECHAL ELECTRIC IS COMMITTED

1

SAFETY FIRST #SAFETYFIRST

- Goal: 0 accidents.
- Prevent potential risks associated with our activity.
- Raise employee awareness so that they acquire and develop environmentally-friendly habits.
- Promote well-being at work to establish a lasting relationship of trust with our employees.

2

REASONABLE USE OF RESOURCES

- Control our water and energy consumption
- Encourage good environmental practices
- Reduce the amount of paper we print
- Sort our waste to promote recycling
- A short production chain, as close as possible to our suppliers

3

ECO-DESIGN FOR AN ENERGY-EFFICIENT, HIGH-PERFORMANCE PRODUCT

- Choose technical solutions and high performance materials to offer a sustainable product.
- Offer spare parts to extend the life of our products.
- Improve energy efficiency and reduce energy consumption for users thanks to MARECHAL ELECTRIC's integrated technology. en bout.

SUSTAINABILITY

LIMIT YOUR CARBON FOOTPRINT BY INVESTING IN SUSTAINABLE PRODUCTS

MARECHAL ELECTRIC's reputation is based on the unrivalled longevity of its products, which can last from 30 to 40 years or more.

SPARE PARTS CAN BE FOUND IN THE ACCESSORIES SECTION OF OUR CATALOGUE
PAGE 342

LASER MARKING

Simple and permanent product identification.

DIGITAL INSTRUCTIONS FOR USE

Scan the **QR code** available on our products to access their online instructions for use.

A **Quick Start Guide** provides you with the latest essential information to install and use our devices, quickly:

- Wiring: conductor cross sections, stripping lengths, tightening torques ...
- Installation requirements, drillings, mounting direction
- As well as an animation on how to connect/ disconnect our devices.

REPAIRABILITY 9,6 /10

All our products' components are available as spare parts, and their design makes them easy to maintain at a reasonable cost.
The Repairability Index* aims to tackle obsolescence by informing users whether or not a product is repairable at the time of purchase, thereby extending its life and usefulness.
It is based on the following criteria: availability of spare parts, availability of documentation, accessibility of after-sales service, ease of repair, price of spare parts.
Although our appliances are not subject to the obligation to display a reparability index, we adhere to this approach on a voluntary basis. We ensure continuous availability of spare parts for easy repair and efficient maintenance. What's more, our after-sales service is always available to answer our customers' needs and questions.

* Decree no. 2020-1757 of 27 December 2020 (France).

PRODUCT RANGE CONTINUITY

Our R&D department focuses on the continuous improvement of products, ensuring compatibility with existing ranges, which contributes to combating obsolescence.

REDUCE YOUR ENERGY CONSUMPTION BY REDUCING HEAT MITIGATION

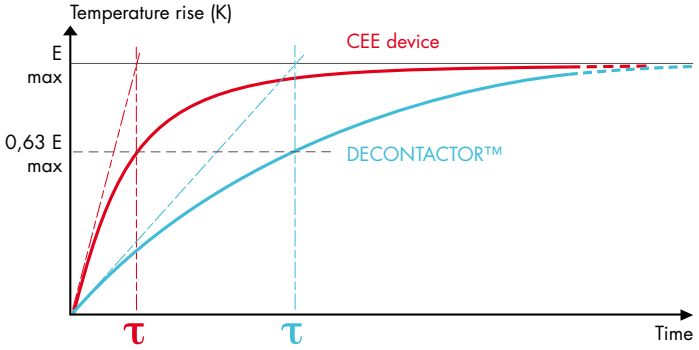
DECONTACTOR™ has been developed to meet specific criteria for limiting contact temperature rise and providing excellent thermal cycle compensation, thanks to its end-contact technology. The quality of the materials used, and in particular the silver-nickel alloy at the end of our contacts, guarantees excellent current conductivity and excellent resistance to damp and corrosive environments.

ENERGY PERFORMANCE

MARECHAL® IS 30 TIMES MORE EFFICIENT

Your personalised energy audit.

Comparison between two main contact technology:
DECONTACTOR™ (IEC/EN 60309-1 standard), and conventional CEE pin & sleeve (IEC/EN 60309-2 standard).

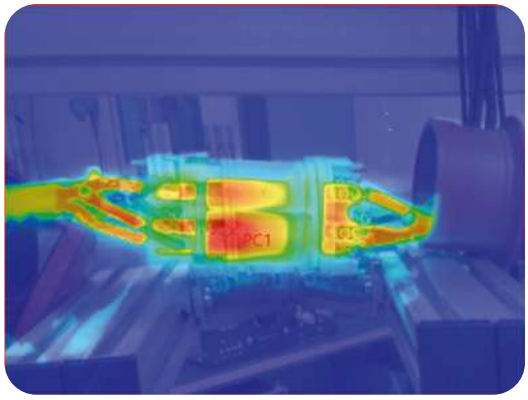


Comparative heating curve

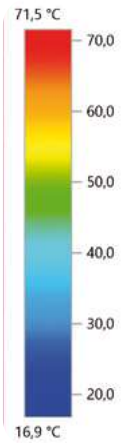
- Thanks to their low internal resistance, our DECONTACTOR™ have a long time constant: they slowly reach the equilibrium temperature and can withstand temporary overcurrent with no excessive heating.
- Electrical appliances which comply with CEE will reach critical temperature much quicker in case of overcurrent.

Performance comparison between the two contact technologies

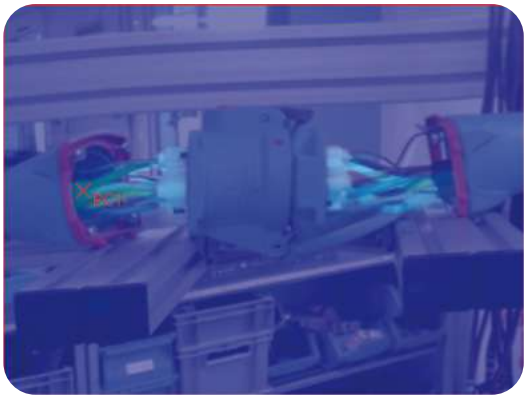
CEE pins & sleeves



Significant heat (°C) and energy (kWh) losses



MARECHAL® technology



Low heat (°C) and energy (kWh) losses

Photos taken with a thermal imaging camera using the same temperature scale in °C and identical equipment ratings (32 A/3P+N+E, after 10 years of use).

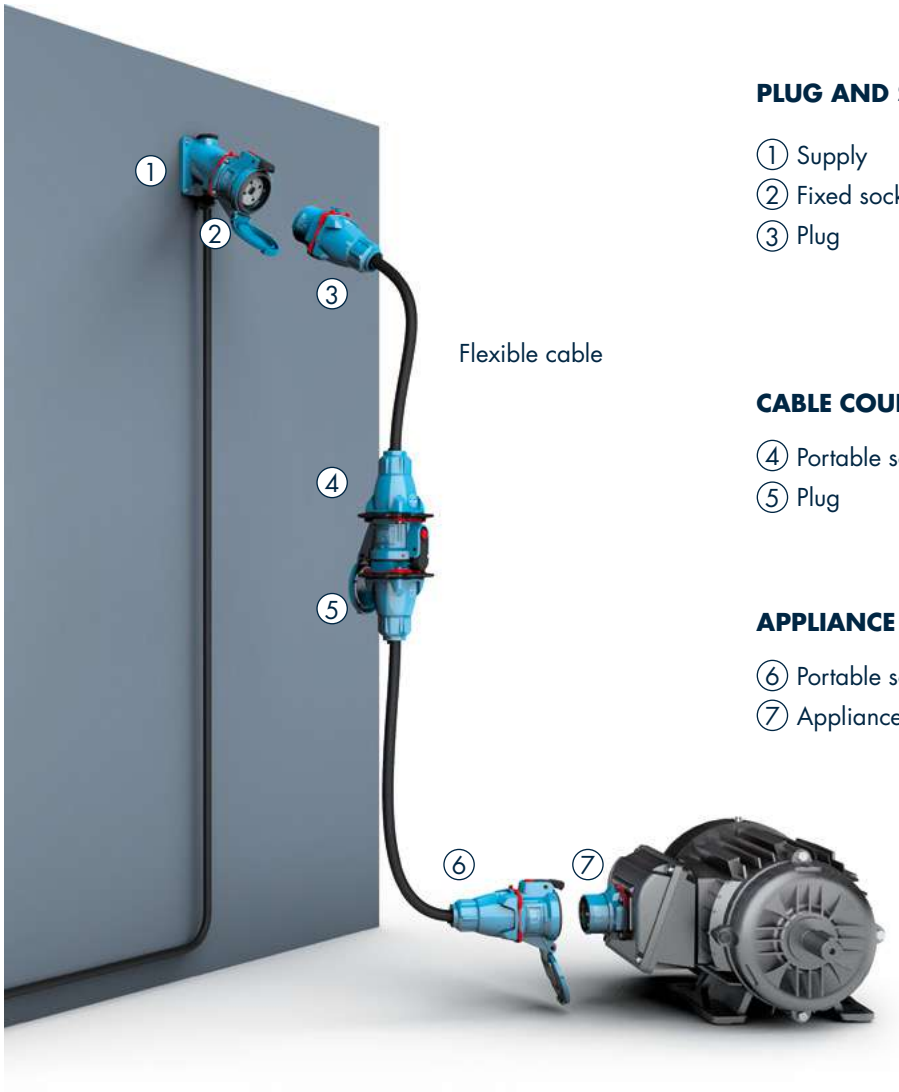
UP TO 8,603 kWh SAVED!

ENERGY SAVING using a MARECHAL® device 24/7 operation, 365 days a year	DEVICE RATING (3 ACTIVE CONTACTS)					
	16 A	20 A	32 A	63 A	125 A	250 A
5 YEARS SAVINGS	51 kWh	79 kWh	155 kWh	485 kWh	1 025 kWh	**2,011 kWh**
10 YEARS SAVINGS	229 kWh	356 kWh	668 kWh	2 079 kWh	4 386 kWh	**8,603 kWh**

MARECHAL® TECHNOLOGY & ADVANTAGES

DECONTACTOR™, Socket-outlet with integrated switch up to 250 A	Saves you from buying and installing a contactor or wiring pilots. Guarantees disconnection on load.
Safety shutter	No access to the live parts of the socket-outlet.
Breaking capacity AC-22A/AC-23A/DC-21A	Local disconnection possible, fast maintenance or repair, reduction of downtimes.
Padlocking facility	Prevents unintentional connections and disconnections while keeping the operator safe from any hazard.
Automatic IP66/IP67/IP69 ingress protection, once the socket-outlet lid is shut or once the inlet has mated with the socket-outlet	Resistance to high pressure cleaning up to +80°C.
ATEX/IECEx	Disconnection and padlocking are possible in hazardous areas. This simplifies maintenance in hazardous locations.
T_{amb} -40 °C/+60 °C	Materials resist harsh weather conditions.
Dual voltage 230 V/400 V	A 5-pole socket-outlet can be mated with 2-pole, 3-pole, 4-pole and 5-pole inlet plugs.
GRP IK09 Metal IK10	Materials with high mechanical endurances.
Butt contact with silver-nickel plated tip	Better conductivity. No corrosion, unlike copper or brass contacts. Low resistance = lower current consumption.
Further certification schemes and bodies: LCIE, UL, CSA, BV Marine, EAC...	No hassle exporting your machines all over the world.
Up to 24 keying positions	Identify and secure dedicated circuits.
Auxiliaries Pilots	Signal & control transmission. Electrical Interlocking.

IEC 60309-1 NORM TERMINOLOGY



PLUG AND SOCKET-OUTLET

① Supply
② Fixed socket-outlet
③ Plug

CABLE COUPLER

④ Portable socket-outlet
⑤ Plug

APPLIANCE COUPLER

⑥ Portable socket-outlet
⑦ Appliance inlet

MARECHAL MODULARITY®

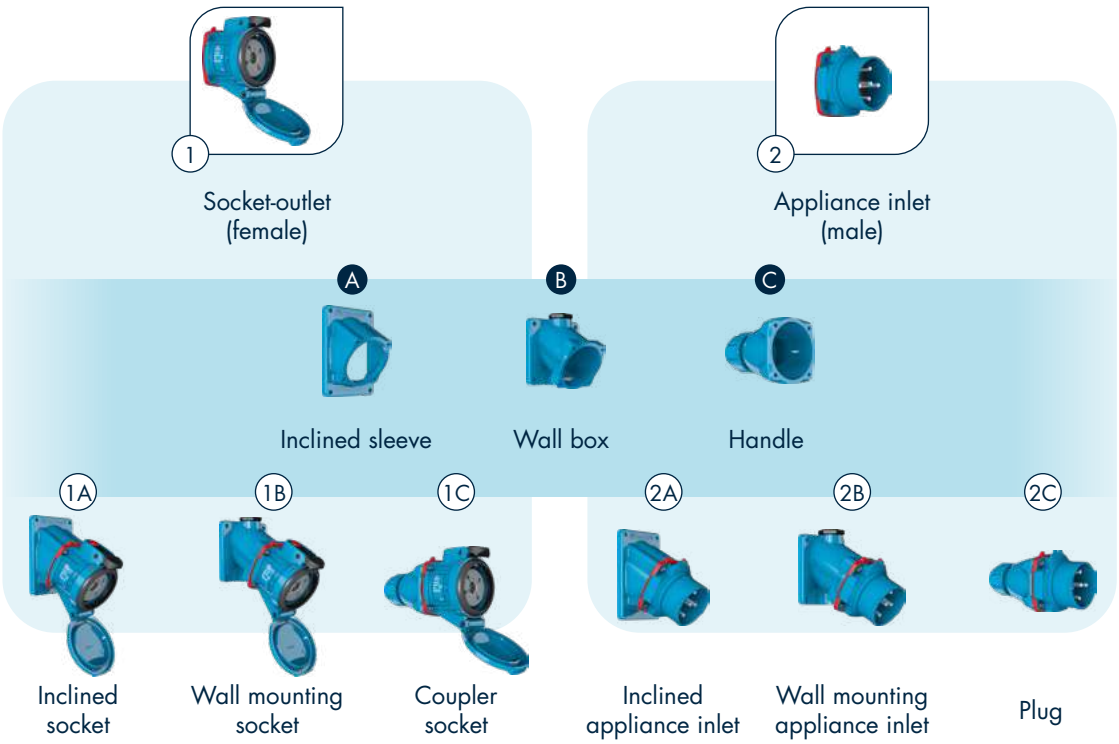
2 DEVICES

×

3 MOUNTING ACCESSORIES

=

6 COMBINATIONS



ITEM REFERENCING

7 DIGITS FOR BASIC PRODUCTS

Main option combination suffixes page 351.

1 PRODUCT LINE

- 0 = PN - PNC
- 2 = DX - DXN - DXA
- 3 = DS
- 4 = SP - CS - SPeX - P66
- 5 = ACCESSORIES
- 6 = DSN
- 8 = EVO
- 9 = BOXES

2 CASING

- IEC : 1 = BLUE POLY
- 5 = BLACK POLY
- 9 = METAL
- UL : 3 = BLUE POLY
- 7 = METAL
- 6 = BLACK METAL

3 RATING

16 A	E	=	PNC
30 A	N/2	=	PN
40 A	4	=	EVO
30 A	1	=	DS DX
50 A	3	=	DS DX
90 A	6	=	DS DX
150 A	9	=	DS DX
250 A	2	=	DS DX
400 A	4	=	DS DX
20 A	1	=	DSN DXN
32 A	3	=	DSN DXN
63 A	6	=	DSN DXN
500 A	3	=	CS1000
660 A	6	=	P66
680 A	4	=	SPeX
800 A	4	=	SP

4 TYPE

Male

- 1 = Plug (with handle)
- 6 = Wall mounting appliance inlet (with box)
- 8 = Appliance inlet (male) semi-recessed
- 9 = Inclined appliance inlet (with sleeve)

Female

- 0 = Wall mounting socket (with box)
- 3 = Coupler socket (with handle)
- 7 = Inclined socket (with sleeve)
- 4 = Socket-outlet (female) semi-recessed

5&6 VOLTAGE

AC	08	=	20-24 V
AC	06	=	25-28 V
AC	13	=	40-48 V
AC	03	=	110-130/ 190-250 V
AC	01	=	190-250/ 380-440 V
AC	09	=	480-500 V
AC	19	=	660/690 V
AC	22	=	1 000 V
60 Hz	02	=	20-24 V
60 Hz	16	=	120/208 V
60 Hz	07	=	125/250 V
60 Hz	04	=	277/480 V
60 Hz	14	=	347/600 V
200 Hz	12	=	110-130/ 190-250 V
400 Hz	11	=	110-130/ 190-250 V
DC	10	=	110-130 V
DC	20	=	190-250 V

Other voltages and frequencies are available on request, see table page 21.

7 POLARITY

Alternating current (AC)

- 5 = 1P+N+E
- 3 = 3P+E
- 4 = 4P+E (EVO)
- 7 = 3P+N+E
- D = 1P+N
- A = 2P (L1, L2)
- G = 2P+N
- B = 3P
- C = 3P+N
- L = 2P+2P
- H = 1P+E
- 2 = 2P+E
- 6 = 2P+N+E
- W = 6P+E (EVO)
- M = 2P+2P+E

Direct current (DC)

- 8 = 2P+E breaking ≤ 250 V
- 9 = 2P+E breaking ≤ 130 V
- J = 3P (-/+/0 V)
- K = 3P+E (-/+/0 V/T)
- N = 2P+2P
- P = 2P+2P+E
- Z = 2P

CHARACTERISTICS OF MARECHAL® PRODUCTS WHEN USED IN ALTERNATING CURRENT

PRODUCT	MAXIMUM NUMBER OF CONTACTS	LIMITS OF USE AS A CONNECTOR (WITHOUT BREAKING CAPABILITY)	LIMITS OF USE AS A SWITCH (WITH CLOSING/BREAKING CAPABILITY)	
			IEC 60309-1	IEC 60947-3
EVO40	6+E			40 A - 690 V AC : AC-22A 32 A - 440 V AC : AC-23A[1]
PNC	4+E	16 A - 480 V AC		
DSN1	4+E	20 A - 500 V AC		20 A - 500 V AC : AC-23A
PN	4+E	30 A - 500 V AC	30 A - 500 V AC	
PNHT	4+E	30 A - 500 V AC	30 A - 500 V AC	
DS1	4+E	30 A - 690 V AC		30 A - 690 V AC : AC-22A 30 A - 480 V AC : AC-23A
DS1 + aux	4+E	30 A - 500 V AC		30 A - 500 V AC : AC-22A
DSN3	4+E	32 A - 690 V AC		32 A - 690 V AC : AC-22A 32 A - 480 V AC : AC-23A
DSN3 + aux	4+E	32 A - 500 V AC		32 A - 500 V AC: AC-22A 32 A - 400 V AC : AC-23A
DS3	4+E	50 A - 1000 V AC	50 A - 690 V AC 45 A - 1000 V AC	40 A - 690 V AC : AC-22A 50 A - 400 V AC : AC-23A
DS7C3	4+E	50 A - 500 V AC		50 A - 500 V AC : AC-22A
FC	4+E	50 A - 500 V AC		
DSN6	4+E	63 A - 1000 V AC	63 A - 690 V AC 45 A - 1000 V AC	40 A - 690 V AC : AC-22A 63 A - 400 V AC : AC-23A
DS6	4+E	90 A - 1000 V AC	90 A - 690 V AC 63 A - 1000 V AC	63 A - 690 V AC : AC-22A 90 A - 400 V AC : AC-23A
DS7C6	4+E	100 A - 500 V AC		
DSHT	4+E	125 A - 480 V AC		
DSF400	4+E	125 A - 690 V AC		125 A - 690 V AC : AC-22A[2] 125 A - 400 V AC : AC-23A[2]
DS9	4+E	150 A - 1000 V AC	150 A - 690 V AC 125 A - 1000 V AC	150 A - 600 V AC : AC-22A 100 A - 440 V AC : AC-23A
DS2	4+E	250 A - 1000 V AC	250 A - 600 V AC 200 A - 690 V AC 150 A - 1000 V AC	250 A - 400 V AC : AC-22A
DS2 350 A	4+E	350 A - 1000 V AC		
DS4	3+E	400 A - 1000 V AC		
DSP400	1	400 A - 500 V AC		
CS1000	1	500 A - 1000 V AC		
P66	4+E	660 A - 1100 V AC		
SP	1	800 A - 1000 V AC		
DSP1250	1	1250 A - 1000 V AC		
PN7C	7	25 A - 500 V AC		

Limits of use as a switch-disconnector (with closing/breaking capability)
[1] 11 kW - 250 V AC : AC-23A, 18.5 kW - 400 V AC : AC-23A, 18.5 kW - 690 V AC : AC-23A, 7.5 kW - 250 V AC : AC-23A, 11 kW - 400 V AC : AC-3, 11 kW - 690 V AC : AC-3.
[2] 55 kW - 400 V AC, 110 kW - 690 V AC.

MATERIAL	IP	IK	EMC	AUXILIARY CONTACTS		PILOT CONTACTS	
				QUANTITY MAX.	LIMIT OF USE	QUANTITY MAX.	LIMIT OF USE
GRP	IP66/IP67/IP69	IK09					
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67/IP69	IK09				1	2 A - 250 V AC/V DC
GRP/METAL	IP66/IP67	IK09	YES				
METAL	IP44	IK09	YES				
GRP	IP55	IK09					
GRP	IP55	IK09		2	30 A - 500 V AC/V DC		
GRP	IP66/IP67/IP69	IK09					
GRP	IP66/IP67/IP69	IK09		2	30 A - 500 V AC/V DC		
GRP	IP55	IK09		4	16 A - 400 V AC/V DC		
GRP/METAL	IP66/IP67	IK09	YES	3	10 A - 400 V AC/V DC		
GRP	IP54	IK09					
GRP	IP66/IP67/IP69	IK09		4	16 A - 400 V AC/V DC		
GRP/METAL	IP66/IP67/IP69	IK09/IK10	YES	4	5 A - 500 V AC/V DC		
GRP/METAL	IP66/IP67	IK09/IK10	YES	6	10 A - 500 V AC/V DC		
METAL	IP44	IK09/IK10	YES	2	5 A - 500 V AC/V DC		
METAL	IP66/IP67	IK09/IK10	YES	2	5 A - 500 V AC		
GRP/METAL	IP66/IP67/IP69	IK09/IK10	YES	6	10 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES	6	5 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES	2	5 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES			2	5 A - 400 V AC/V DC
GRP/METAL	IP66/IP67	IK09/IK10	YES			2	10 A - 400 V AC/V DC
GRP	IP66/IP67	IK08					
METAL	IP66/IP67	IK10	YES	8	10 A - 400 V AC	1	0,5A - 400 V AC - 10 W
GRP	IP66/IP67	IK08				1	10 A - 250 V AC/V DC
METAL	IP66/IP67	IK10	YES			2	5 A - 400 V AC/V DC
GRP/METAL	IP66/IP67	IK09	YES				

CHARACTERISTICS OF MARECHAL® PRODUCTS WHEN USED IN ALTERNATING CURRENT

PRODUCT	MAXIMUM NUMBER OF CONTACTS	LIMITS OF USE AS A CONNECTOR (WITHOUT BREAKING CAPABILITY)	LIMITS OF USE AS A SWITCH (WITH CLOSING/BREAKING CAPABILITY)	
			IEC 60309-1	IEC 60947-3
DN9C	9	30 A - 415 V AC	30 A - 415 V AC	
PN12C	12	16 A - 480 V AC		
DSN12C	12	16 A - 480 V AC		
DN20C	20	25 A - 415 V AC		
DSN24C	24	16 A - 480 V AC		
DSN37C	37	16 A - 480 V AC		
RETTBOX® S 250 V AC	6+E	20 A - 250 V AC		20 A - 250 V AC : AC-22A
RETTBOX® S	6+E	32 A - 480 V AC	32 A - 440 V AC	
RETTBOX® ONE 20 A	4+E	20 A - 250 V AC		20 A - 250 V AC : AC-23A
PNCX Z1-21	4+E	5 A - 250 V AC		
PNCX Z2-22	4+E	10 A - 440 V AC		
DXN1 Z1-21	4+E	20 A - 550 V AC	20 A - 550 V AC : AC-22A 20 A - 440 V AC : AC-23A	
DXN1 Z2-22	4+E	20 A - 440 V AC		
DXA1	4+E	20 A - 550 V AC	20 A - 550 V AC	
DX1	4+E	20 A - 750 V AC	20 A - 690 V AC	
DX3	4+E	32 A - 750 V AC	32 A - 690 V AC	
DXN3 Z1-21	4+E	32 A - 750 V AC	32 A - 690 V AC : AC-22A	
DXN3 Z1-21 + aux	4+E	32 A - 550 V AC	32 A - 550 V AC	
DXN3 Z2-22	4+E	40 A - 690 V AC		
DXN3 Z2-22 + aux	4+E	40 A - 400 V AC		
DXN6 Z1-21	4+E	63 A - 750 V AC	63 A - 690 V AC	
DXN6 Z1-21 + aux	4+E	63 A - 550 V AC	63 A - 550 V AC	
DXN6 Z2-22	4+E	63 A - 1000 V AC		
DXN6 Z2-22 + aux	4+E	63 A - 440 V AC		
DX9	4+E	125 A - 750 V AC	125 A - 690 V AC	
SPeX	1	680 A - 1 000 V AC		
PXN12C	12	10 A - 220 V AC		
DXN25C	25	10 A - 440 V AC		
DXN37C	37	10 A - 230 V AC		

MATERIAL	IP	IK	EMC	AUXILIARY CONTACTS		PILOT CONTACTS	
				QUANTITY MAX.	LIMIT OF USE	QUANTITY MAX.	LIMIT OF USE
METAL	IP54/IP55	IK09	YES				
GRP/METAL	IP66/IP67	IK09	YES				
GRP	IP66/IP67/IP69	IK09					
METAL	IP54/IP55	IK09	YES				
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09					
GRP	IP54	IK08					
GRP	IP54	IK08					
GRP/METAL	IP55	IK08/IK10	YES				
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09				2	2 A - 250 V AC/V DC
METAL	IP65	IK10	YES				
METAL	IP66/IP67	IK10	YES				
METAL	IP66/IP67	IK10	YES				
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	5 A - 550 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	30 A - 440 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	5 A - 550 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		4	16 A - 400 V AC/V DC		
METAL	IP65/IP66	IK10	YES				
GRP	IP65/IP66	IK08				1	6 A - 250 V AC
METAL	IP65/IP66	IK09	YES				
METAL	IP66/IP67	IK09	YES				
METAL	IP66/IP67	IK09	YES				

CHARACTERISTICS OF MARECHAL® PRODUCTS WHEN USED IN DIRECT CURRENT

PRODUCT	MAXIMUM NUMBER OF CONTACTS	LIMITS OF USE AS A CONNECTOR (WITHOUT BREAKING CAPABILITY)	LIMITS OF USE AS A SWITCH (WITH CLOSING/BREAKING CAPABILITY)
EVO40	6+E		32 A - 250 V DC : DC-21A
PNC	4+E	16 A - 480 V DC	
DSN1	4+E	20 A - 750 V DC	20 A - 250 V DC : DC-21A
PN	4+E	30 A - 750 V DC	20 A - 130 V DC : DC-21A
PNHT	4+E	30 A - 750 V DC	20 A - 130 V DC : DC-21A
DS1	4+E	30 A - 1000 V DC	30 A - 250 V DC : DC-21A
DS1 + aux	4+E	30 A - 750 V DC	30 A - 250 V DC : DC-21A
DSN3	4+E	32 A - 1000 V DC	32 A - 250 V DC : DC-21A
DSN3 + aux	4+E	32 A - 750 V DC	32 A - 250 V DC : DC-21A
DS3	4+E	50 A - 1500 V DC	50 A - 250 V DC : DC-21A
DS7C3	4+E	50 A - 750 V DC	50 A - 250 V DC : DC-21A
DSN6	4+E	63 A - 1500 V DC	63 A - 250 V DC : DC-21A
DS6	4+E	90 A - 1500 V DC	90 A - 250 V DC : DC-21A
DS7C6	4+E	100 A - 750 V DC	
DSF400	4+E	125 A - 690 V DC	125 A - 250 V DC : DC-21A
DSHT	4+E	125A - 480 V DC	
DS9	4+E	150 A - 1500 V DC	150 A - 250 V DC : DC-21A
DS2	4+E	250 A - 1500 V DC	200 A - 250 V DC : DC-21A
DS2 350 A	4+E	350 A - 1500 V DC	
DS4	3+E	400 A - 1500 V DC	
PFQ4	4+E	400 A - 1000 V DC	
DSP400	1	400 A - 750 V DC	
CS1000	1	500 A - 1500 V DC	
PFC6	4+E	600 A - 1500 V DC	
P66	4+E	660 A - 1500 V DC	
SP	1	800 A - 1500 V DC	
DSP1250	1	1250 A - 1500 V DC	
PN7C	7	25 A - 750 V DC	
DN9C	9	30 A - 600 V DC	30 A - 130 V DC : DC-21 A

MATERIAL	IP	IK	EMC	AUXILIARY CONTACTS		PILOT CONTACTS	
				QUANTITY MAX.	LIMIT OF USE	QUANTITY MAX.	LIMIT OF USE
GRP	IP66/IP67/IP69	IK09					
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67/IP69	IK09				1	2 A - 250 V AC/V DC
GRP/METAL	IP66/IP67	IK09	YES				
METAL	IP44	IK09	YES				
GRP	IP55	IK09					
GRP	IP55	IK09		2	30 A - 500 V AC/V DC		
GRP	IP66/IP67/IP69	IK09					
GRP	IP66/IP67/IP69	IK09		2	30 A - 500 V AC/V DC		
GRP	IP55	IK09		4	16 A - 400 V AC/V DC		
GRP/METAL	IP66/IP67	IK09	YES	3	10 A - 400 V AC/V DC		
GRP	IP66/IP67/IP69	IK09		4	16 A - 400 V AC/V DC		
GRP/METAL	IP66/IP67/IP69	IK09/IK10	YES	4	5 A - 500 V AC/V DC		
GRP/METAL	IP66/IP67	IK09/IK10	YES	6	10 A - 500 V AC/V DC		
METAL	IP66/IP67	IK09/IK10	YES	2	5 A - 500 V AC		
METAL	IP44	IK09/IK10	YES	2	5 A - 500 V AC/V DC		
GRP/METAL	IP66/IP67/IP69	IK09/IK10	YES	6	10 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES	6	5 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES	2	5 A - 400 V AC/V DC		
METAL	IP66/IP67	IK10	YES			2	5 A - 400 V AC/V DC
METAL	IP66/IP67	IK10	YES	6	10 A - 400 V AC/V DC	2	10 A - 400 V AC /250 V DC
GRP/METAL	IP66/IP67	IK09/IK10	YES			2	10 A - 400 V AC/V DC
GRP	IP66/IP67	IK08					
METAL	IP66/IP67	IK10	YES	2	20 A - 400 V AC/V DC	2	20 A - 400 V AC /250 V DC
METAL	IP66/IP67	IK10	YES	8	10 A - 400 V AC	1	0,5 A - 400 V AC - 10 W
GRP	IP66/IP67	IK08				1	10 A - 250 V AC/V DC
METAL	IP66/IP67	IK10	YES			2	5 A - 400 V AC/V DC
GRP/METAL	IP66/IP67	IK09	YES				
METAL	IP54/IP55	IK09	YES				

CHARACTERISTICS OF MARECHAL® PRODUCTS WHEN USED IN DIRECT CURRENT

PRODUCT	MAXIMUM NUMBER OF CONTACTS	LIMITS OF USE AS A CONNECTOR (WITHOUT BREAKING CAPABILITY)	LIMITS OF USE AS A SWITCH (WITH CLOSING/BREAKING CAPABILITY)
PN12C	12	16 A - 750 V DC	
DSN12C	12	16 A - 600 V DC	
DN20C	20	25 A - 600 V DC	
DSN24C	24	16 A - 600 V DC	
DSN37C	37	16 A - 600 V DC	
RETTBOX® S TBT	6+E	20 A - 24 V DC	20 A - 24 V DC : DC-22 A
PNCX Z1-21	4+E	5 A - 250 V DC	
PNCX Z2-22	4+E	10 A - 440 V DC	
DXN1 Z1-21	4+E	20 A - 550 V DC	20 A - 250 V DC : DC-21A
DXN1 Z2-22	4+E	20 A - 440 V DC	
DX1	4+E	20 A - 750 V DC	20 A - 250 V DC : DC-21A
DX3	4+E	32 A - 750 V DC	20 A - 250 V DC : DC-21A
DXN3 Z1-21	4+E	32 A - 750 V DC	32 A - 250 V DC : DC-21A
DXN3 Z1-21 + aux	4+E	32 A - 550 V DC	32 A - 250 V DC : DC-21A
DXN3 Z2-22	4+E	40 A - 690 V DC	
DXN3 Z2-22 +aux	4+E	40 A - 400 V DC	
DXN6 Z1-21	4+E	63 A - 750 V AC/750 V DC	20 A - 250 V DC : DC-21A
DXN6 Z1-21 +aux	4+E	63 A - 550 V DC	63 A - 250 V DC : DC-21A
DXN6 Z2-22	4+E	63 A - 1000 V DC	
DXN6 Z2-22 +aux	4+E	63 A - 440 V DC	
DX6	4+E	63 A - 750 V DC	125 A - 250 V DC : DC-21A
DX9	4+E	125 A - 750 V DC	125 A - 250 V DC : DC-21A
DX2	4+E	200 A - 750 V DC	125 A - 250 V DC : DC-21A
SPeX	1	680 A - 1 000 V DC	
PXN12C	12	10 A - 220 V DC	
DXN25C	25	10 A - 440 V DC	
DXN37C	37	10 A - 230 V DC	

MATERIAL	IP	IK	EMC	AUXILIARY CONTACTS		PILOT CONTACTS	
				QUANTITY MAX.	LIMIT OF USE	QUANTITY MAX.	LIMIT OF USE
GRP/METAL	IP66/IP67	IK09	YES				
GRP	IP66/IP67/IP69	IK09					
METAL	IP54/IP55	IK09	YES				
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09					
GRP	IP54	IK08					
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67/IP69	IK08					
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09				2	2 A - 250 V AC/V DC
METAL	IP66/IP67	IK10	YES				
METAL	IP66/IP67	IK10	YES				
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	5 A - 550 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	30 A - 440 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		2	5 A - 550 V AC/V DC		
GRP	IP66/IP67	IK09					
GRP	IP66/IP67	IK09		4	16 A - 400 V AC/V DC		
METAL	IP65/IP66	IK10	YES				
METAL	IP65/IP66	IK10	YES				
METAL	IP65/IP66	IK10	YES				
GRP	IP65/IP66	IK08				1	6 A - 250 V AC
METAL	IP65/IP66	IK09	YES				
METAL	IP66/IP67	IK09	YES				
METAL	IP66/IP67	IK09	YES				

EVO SEPARABLE SWITCH-DISCONNECTOR 18.5 kW

A UNIQUE CONCEPT

EVO is a manually-operated rotating and disconnectable switch-disconnector, available in 2 to 6 poles.
Certified by LCIE BUREAU VERITAS in accordance with IEC/EN 60947-1 and 60947-3 standards, EV040 is designed for frequent load switching and for isolating low-voltage electrical circuits, whether resistive (AC-21A), mixed resistive/inductive (AC-22A), inductive (AC-23A), or for load switching of electric motors as required by IEC/EN 60947-3.

LOAD-BREAKING CAPACITY

kW/V	230 V	400 V	690 V
AC-21A/AC-22A	40 A	40 A	40 A
AC-23A	11 kW	18,5 kW	18,5 kW
AC-3	7,5 kW	11 kW	11 kW
DC-21A	8 kW (250 V)		

Equipped with self-cleaning silver alloy contact tips and a unique and patented mechanism, our new technological concept combines the functionalities of a switch and an isolator.
The design facilitates successive double breaking pole by pole, which ensures optimal safety during any maintenance operation.
Once the supply and load parts have been separated, a safety shutter prevents any risk of electric shock (IP4X/IPXXD).
The robust mechanism allows distinctly and visibly separated disconnection and separation even in the event of overload currents.
The quality of EV040 materials offers fl exibility in the most demanding of applications in terms of hygiene, robustness and reliability (IP66/IP67/IP69 and IK09): Halogen-free;
UL94-Standard compliant self-extinguishing materials; resistant to hot vapours (tropicalisation as per IEC 60068-2) as well as UVs (class f1), corrosion and chemical agents.

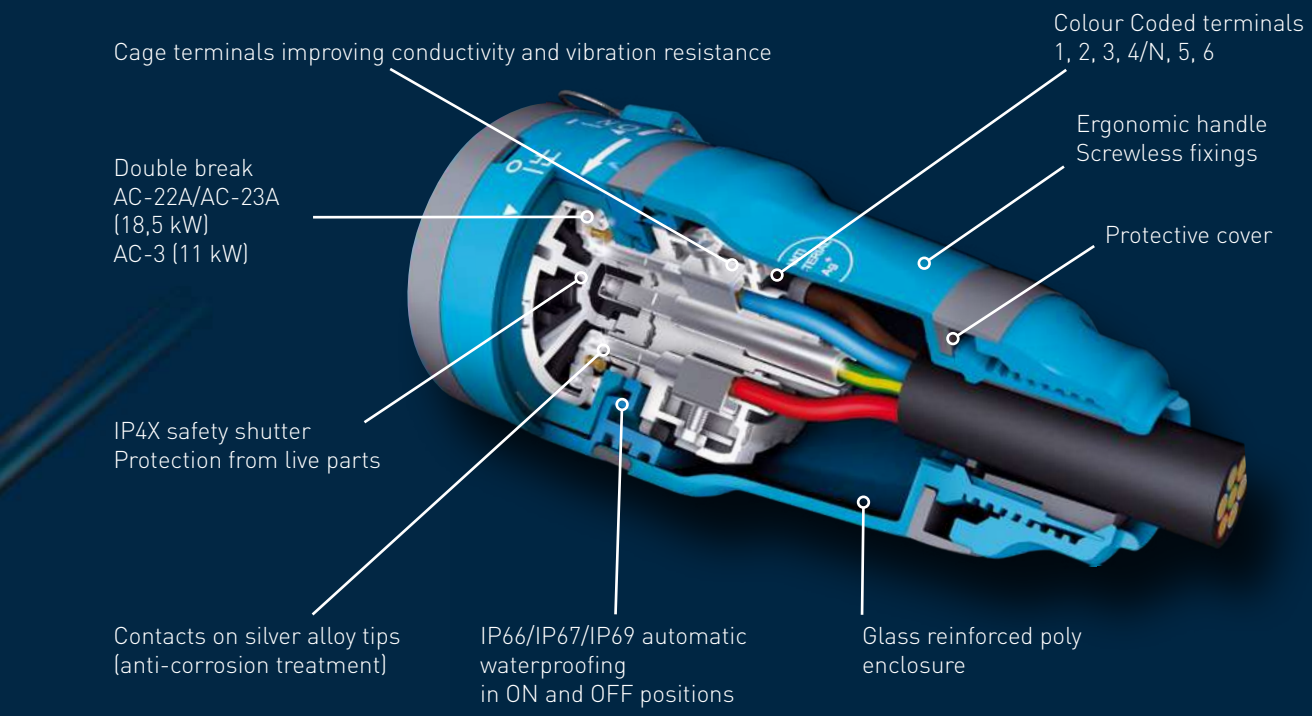
EVO FACILITATES THE COMPLIANCE OF:

- electrical machinery to the "Machinery" European Directive on isolating device, and to standards EN 12100 and EN 60204-1,
- electrical installations to installation standards: IEC/HD 60364 and NF C 15-100 (French) or other national transposition.

EVO is certified by LCIE BUREAU VERITAS to standard :

- EC/EN 60947-1/-3/ : Low-voltage switchgear and controlgear: Switches, disconnectors, switch-disconnectors and fuse-combination units.

A NEW GENERATION OF VISIBLE BREAKING DISCONNECTOR FOR AN UNRIVALLED LEVEL OF SAFETY.



VISIBLE BREAK AND FULLY VISIBLE BREAK

EVO makes your work safer, simpler and shorter.
It features:

- Fully visible break: information clearly indicated on the device casing;
- Visible break: EVO is designed to be safely separated into two parts without the intervention of a qualified electrician.

EVO can be used intensively as a switch "ON" - "OFF" > 15,000 cycles.

INSTALLATION & USE

Versatile installation
Small footprint, no visible screws, no retention zone, padlockable, EVO40 can be installed either on an electrical box or on a surface-mounted wall box, with a choice of inclination.

Coupler

Inclined sleeve or wall box
50° reversible

Inclined sleeve or wall box
90° reversible

Straight sleeve under box

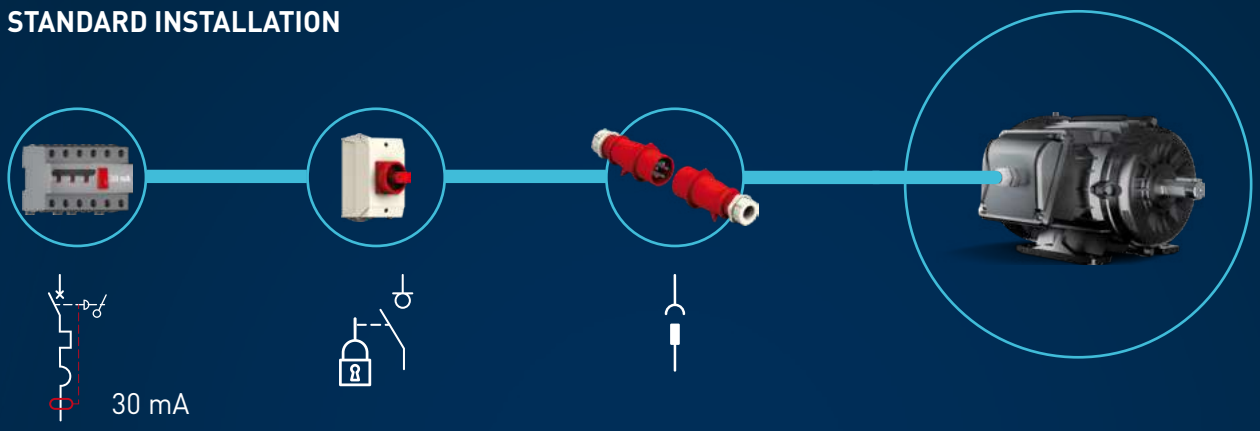
REDUCE THE NUMBER OF OPERATIONS

EVO does not require a 30 mA residual current device protection.

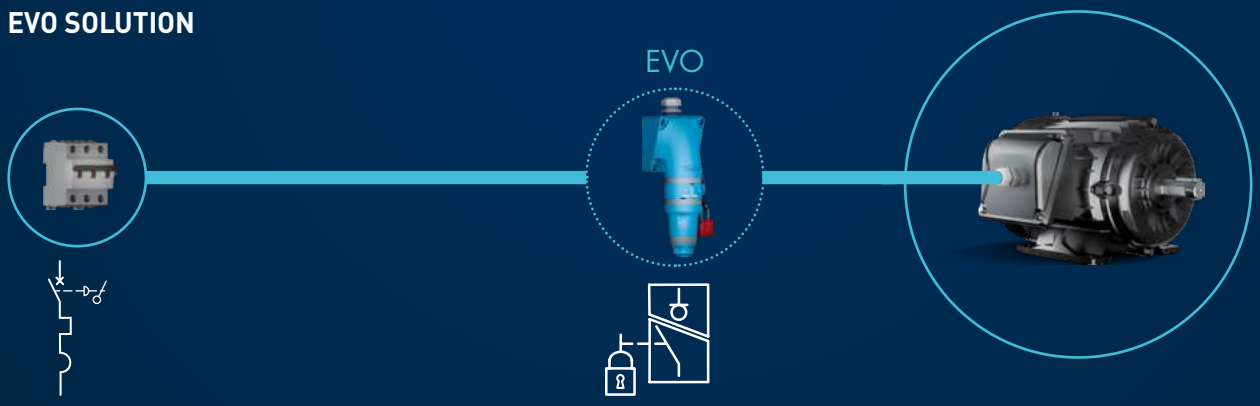
EVO provides:

- Continuity of service: no untimely tripping, no loss of operation;
- Saves space and reduces costs;
- Safety and simplification of operations: for maintenance or equipment replacement, EVO can be separated into two parts using a tool and padlocked. Once separated, EVO has an IP4X/IPXXD protection rating. There is therefore no need for intervention by qualified personnel or for protective procedures.

STANDARD INSTALLATION



EVO SOLUTION



6 POLES

SEPARABLE SWITCH-DISCONNECTOR EVO40

U MAX
690 V AC
250 V DC

18,5 kW

INSTRUCTIONS FOR USE

IP66 IP67/IP69	2,5-10 mm² (1) 2,5-16 mm² (2)	GRP	IK09	-25 °C +60 °C	See table	60947-1/-3

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

A padlocking key is supplied with each supply/load.

SWITCHING CAPACITY			
kW/V	230 V	400 V	690 V
AC-21A/AC-22A	40 A	40 A	40 A
AC-23A	11 kW	18,5 kW	18,5 kW
AC-3	7,5 kW	11 kW	11 kW
DC-21A	8 kW (250 V)		

OTHER FEATURES	
Electrical Load cycles	15 000 cycles*
U_i : Rated insulation voltage	1 000 V AC
U_{max} : Operational voltage	690 V
I_{the} : Conventional enclosed thermal current	40 A
U_{imp} : Rated impulse withstand voltage	8 kV
I_{cc} : Rated short-circuit breaking current capacity with gG fuses and aM fuse	100 kA
I_{cm} : Rated short-circuit making current capacity	1 kA

* In AC-23A 690 V AC/40 A service operation.

REFERENCES

Voltage	Poles	Supply	Load	Straight sleeve	70° inclined sleeve	Handle [1]	90° wall box [2]
190-250 V AC	2P+E	8144032	8148032	51LM0	51LM7	51LP0D21	51LC9000
	3P+E	8144033	8148033				
	4P+E	8144034	8148034				
	6P+E	814403W	814803W				
380-440 V AC	2P+E	8144012	8148012	51LM0	51LM7	51LP0D21	51LC9000
	3P+E	8144013	8148013				
	4P+E	8144014	8148014				
	6P+E	814401W	814801W				
660-690 V AC	2P+E	8144192	8148192	51LM0	51LM7	51LP0D21	51LC9000
	3P+E	8144193	8148193				
	4P+E	8144194	8148194				
	6P+E	814419W	814819W				
Load side cap IP66/IP67 padlockable		Included	814A426G				

[1] Gland size 5-21 mm.
[2] Without drilling, top entry. Reversible wall box for 50° angle with bottom entry.

OPTIONS		Reference
ADDITIONAL PADLOCKING KEYS		
	Packaging = 10	814A541
SAFETY HASP FOR UP TO 6 PADLOCKS		
		613A541

PRODUCT WITH ANTI-BACTERIAL TREATMENT

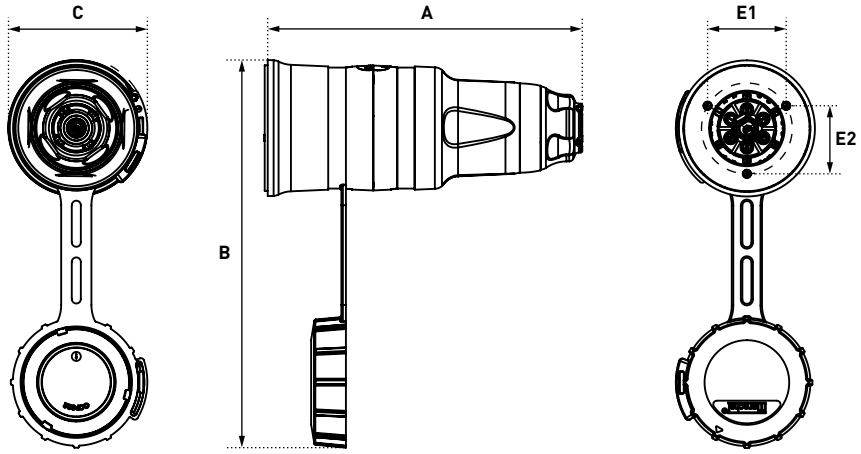
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference. For more information on antibacterial treated handles please consult us.

DRAWINGS AND DIMENSIONS

Dimensions are in millimeters.

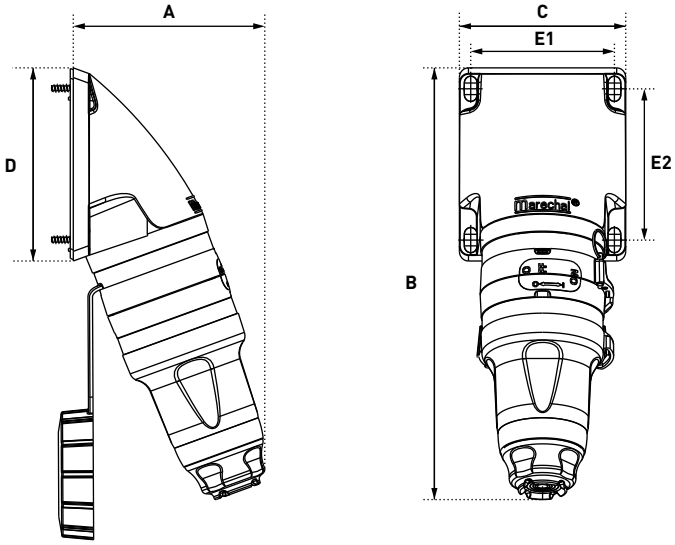
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

STRAIGHT SLEEVE



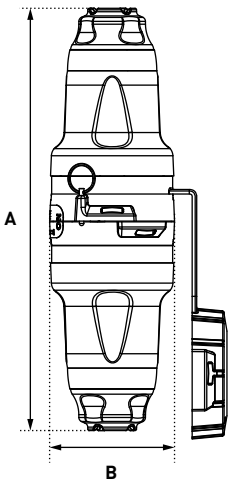
A	B	C	E1	E2
209	256	94	52	45

INCLINED SLEEVE 70°



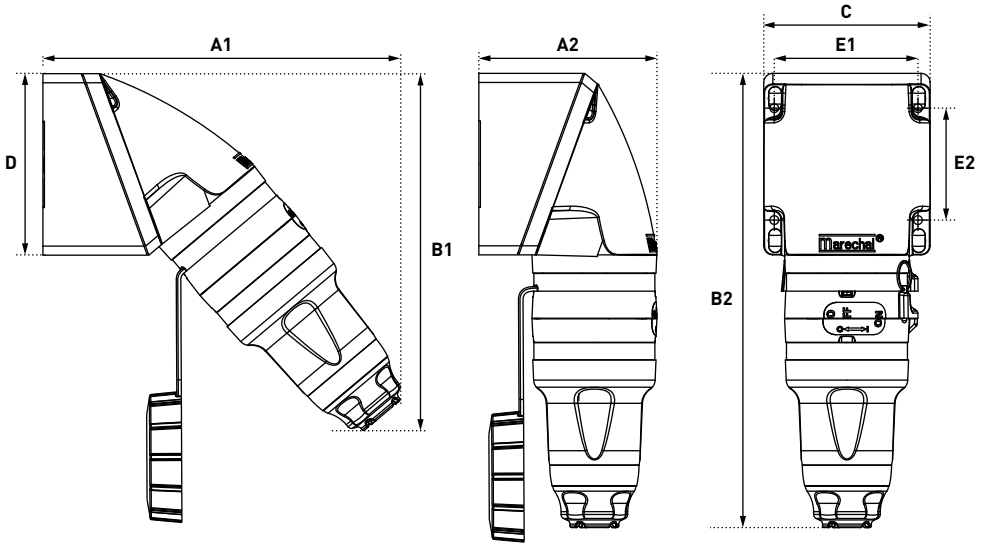
A	B	C	D	E1	E2
127	286	110	128	95	100

ON FLEXIBLE CABLE



A	B
279	81

REVERSIBLE WALL BOX 50° AND 90°



A1	A2	B1	B2	C	D	E1	E2
236	118	236	301	110	120	95	74

HIGH-CURRENT CONNECTORS FROM 16 A TO 1250 A

MODEL	CURRENT	U MAX AC/DC	MAX NB OF CONTACTS	MAX NUMBER OF AUX./PIL.	DECONTACTOR™ (BREAK: AC/DC)
PNC	16 A	480 V AC/ 480 V DC	4+E	/	/
DSN1	16-20 A	500 V AC/ 750 V DC	4+E	2 PIL.	AC-22A/AC-23A/ DC-21A
PN	16-30 A	500 V AC/ 750 V DC	4+E	/	/
PNHT	30 A	500 V AC/ 750 V DC	4+E	/	/
DS1	16-30 A	690 V AC/ 1000 V DC	4+E	2 AUX.	AC-22A/AC-23A/ DC-21A
DSN3	32 A	690 V AC/ 1000 V DC	4+E	2 AUX.	AC-22A/AC-23A/ DC-21A
DS3	32-50 A	1000 V AC/ 1500 V DC	4+E	4 AUX.	AC-22A/AC-23A/ DC-21A
DS7C3	50 A	500 V AC/ 750 V DC	6+E	/	AC-22A/ DC-21A
FC	50 A	500 V AC	4+E	/	/
DSN6	63 A	1000 V AC/ 1500 V DC	4+E	4 AUX.	AC-22A/AC-23A/ DC-21A
DS6	63-90 A	1000 V AC/ 1500 V DC	4+E	4 AUX.	AC-22A/AC-23A/ DC-21A
DS7C6	100 A	500 V AC/ 750 V DC	6+E	/	/
DSHT	125 A	480 V AC/ 480 V DC	4+E	2 AUX.	/
DS9	125-150 A	1000 V AC/ 1500 V DC	4+E	6 AUX.	AC-22A/AC-23A/ DC-21A
DS2	200-250 A	1000 V AC/ 1500 V DC	4+E	6 AUX.	AC-22A/AC-23A/ DC-21A
DS2	350 A	1000 V AC/ 1500 V DC	4+E	2 PIL.	/

Other currents, voltages, requencies and contacts configurations are available (see page 21).

DOWNLOAD
ALL TECHNICAL SHEETS
ON OUR WEBSITE
marechal.com

MATERIAL	IP	EMC	IK	PAGE
GRP	IP66/IP67/IP69	/	IK08	58
GRP	IP66/IP67/IP69	/	IK09	60
GRP/METAL	IP66/IP67	Yes (metal)	IK09	64
METAL	IP44	/	IK09	68
GRP	IP55	/	IK09	70
GRP	IP66/IP67/IP69	/	IK09	74
GRP	IP55	/	IK09	78
METAL	IP66/IP67	Yes	IK09	82
GRP	IP54	/	IK09	86
GRP	IP66/IP67/IP69	/	IK09	88
GRP/METAL	IP66/IP67	Yes (metal)	IK09/IK10	96/100
GRP/METAL	IP66/IP67	Yes (metal)	IK09/IK10	104
METAL	IP44	/	IK09/IK10	108
GRP/METAL	IP66/IP67/IP69	Yes (metal)	IK09/IK10	110/114
METAL	IP66/IP67	Yes	IK10	118
METAL	IP66/IP67	Yes	IK10	122

HIGH-CURRENT CONNECTORS FROM 16 A TO 1250 A

MODEL	CURRENT	U MAX AC/DC	MAX NB OF CONTACTS	MAX NUMBER OF AUX./PIL.	DECONTACTOR™ (BREAK: AC/DC)
DS4	400 A	1000 V AC/ 1500 V DC	3+E	2 PIL.	/
DSP400	400 A	500 V AC/ 750 V DC	/	2 PIL.	/
CS1000	500 A	1000 V AC/ 1500 V DC	/	/	/
P66 NEW	660 A	1100 V AC/ 1500 V DC	4P+E	8 AUX. + 1 PIL.	/
SP	800 A	1000 V AC/ 1500 V DC	/	2 PIL.	/
DSP1250	1250 A	1000 V AC/ 1500 V DC	/	2 PIL.	/

DOWNLOAD
ALL TECHNICAL SHEETS
ON OUR WEBSITE
marechal.com

MATERIAL	IP	EMC	IK	PAGE
METAL	IP66/IP67	Yes	IK10	126
GRP/METAL	IP66/IP67	Yes (metal)	IK09/IK10	132
GRP	IP66/IP67	/	IK08	138
METAL	IP66/IP67	Yes	IK10	142
GRP	IP66/IP67	/	IK08	150
METAL	IP66/IP67	/	IK10	156

MAIN FEATURES

16 A

PNC CONNECTORS

IP66/IP67/IP69

GRP casing

30 A

PN INDUSTRIAL PLUG AND SOCKET-OUTLET

IP66/IP67

GRP or metal casing

50 A

FC FLAT CONNECTORS

IP54

GRP casing

For flat cables

PNC CONNECTORS FACILITATE THE COMPLIANCE OF ELECTRICAL INSTALLATION TO:

- the national regulations relating to the improvement of safety and health of workers at work in France, Italy, Spain, Belgium,
- the installation standards IEC/HD 60364 and NF C 15-100.

PN PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE OF:

- electrical machinery to the Machinery European Directive regarding isolation device,
- the national regulations relating to the improvement of safety and health of workers at work in France, Italy, Spain, Belgium,
- the installation standards IEC/HD 60364 and NF C 15-100.

FC FLAT CONNECTORS FACILITATE THE COMPLIANCE OF ELECTRICAL INSTALLATION TO:

- the national regulations relating to the improvement of safety and health of workers at work in France, Italy, Spain, Belgium,
- the installation standards IEC/HD 60364 and NF C 15-100.

PNC connectors comply with :

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation,
- the IEC/EN 61984, IEC/EN 60529, IEC/EN 62262 standards.

PN plugs and socket-outlets comply with :

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation,
- the IEC/EN 60309-1, IEC/EN 60309-4 standards (essential requirements) ; UL 1682 (USA) and CSA C22.2 N°182.1-07 (Canada) standards.

FC flat connectors comply with :

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation,
- the IEC/EN 61984, IEC/EN 60529, IEC/EN 62262 standards.

20 A - 63 A

DSN DECONTACTOR™

IP66/IP67/IP69

GRP casing

Breaking capacity AC-22A and AC-23A

Up to 4 auxiliaries

30 A - 250 A

DS DECONTACTOR™

IP54/55 (IP66/IP67 from 90 A)

GRP casing up to 150 A

Metal casing from 90 A to 250 A

Breaking capacity AC-22A and AC-23A

DECONTACTOR™ **DSN** AND **DS** FACILITATE THE COMPLIANCE OF:

- electrical machinery to the Machinery European Directive,
- electrical installation to French decree of 30 aout 2010 and 22 septembre 2010 relating to health and safety at work when using electrical installations,
- electrical installation to national regulation relating to the improvementof the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to IEC/HD 603064, NF C 15-100 and NFPA70 standards.

DSN and DS DECONTACTOR™ comply with :

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation,
- IEC/EN 60309-1, IEC/EN 60309-4, IEC/EN 60947-3 (dealing with the load breaking capacities AC-22A and AC-23A) standards,
- UL 1682, UL 2682 (USA), CSA C22.2 N° 182.1-07 (Canada) standards,
- BV Marine specifications (DSN series, DS9, DS2).

OUR CERTIFICATIONS

Intertek CERTIFICADO RETIE
Colombia

LCIE
International

UL
North America

CSA C US
Canada, USA

SAA APPROVALS
Australia

EAC
Eurasia

BUREAU VERITAS
Marine

Navantia
Military (Mil-S-901D)

CQC
China

MAIN FEATURES

30 A

PNHT HIGH TEMPERATURE PLUG AND SOCKET-OUTLET

High-temperature environment up to 240 °C

Metal casing

50 A/100 A

DS7C3/6 CONNECTORS

IP66/IP67

GRP or metal casing

PNHT PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE TO:

- electrical machinery to the Machinery European Directive regarding isolation device,
- electrical installation to national regulation relating to the improvementof the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to IEC/HD 603064 and NF C 15-100 standards.

DS7C PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE OF:

- DS7C3 has an integrated switch and meets the essential requirements of the following standards: IEC/EN 60309-1, IEC/ EN 60309-4 and IEC/EN 60947-3.
- DS7C3 MULTICONTACT is certified by the following organisations: TR CU (Eurasia).

PNHT plugs and socket-outlets comply with:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

DS7C plugs and socket-outlets comply with:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

125 A

DSHT HIGH TEMPERATURE PLUG AND SOCKET-OUTLET

High-temperature environment up to 150 °C

Metal casing

350 A - 400 A

DS INDUSTRIAL PLUGS AND SOCKET-OUTLETS

IP66/IP67

Metal casing

DSHT PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE OF:

- electrical machinery to the Machinery European Directive regarding isolation device,
- electrical installation to French decree of August 30, 2010 and September 22, 2010 relating to health and safety at work when using electrical installations,
- electrical installation to national regulation relating to the improvementof the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to IEC/HD 603064 and NF C 15-100 standards.

DS PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE TO:

- electrical machinery to the Machinery European Directive regarding isolation device,
- electrical installation to IEC/HD 603064 and NF C 15-100 standards.

DSHT plugs and socket-outlets comply with:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

DS plugs and socket-outlets comply with:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

OUR CERTIFICATIONS

Intertek CERTIFICADO RETIE
Colombia

UL
North America

CSA C US
Canada, USA

EAC
Eurasia

Navantia
Military (Mil-S-901D)

MAIN FEATURES

400 A

DSP400
SINGLE POLE POWER CONNECTOR

IP66/IP67

GRP or metal casing

500 A

CS1000
SINGLE POLE POWER CONNECTOR

IP66/IP67

Visual and mechanical coding

Padlocking ring

GRP casing

660 A

P66
HIGH-VOLTAGE SOCKET-OUTLET

NEW

IP66/IP67

Metal enclosure

Up to 660 A

1.1 kV AC/1.5 kV DC

With pilot circuit

DSP400 PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE ELECTRICAL INSTALLATIONS TO:

- European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

CS1000 PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE ELECTRICAL INSTALLATIONS TO:

- European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

P66 PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE ELECTRICAL INSTALLATIONS TO:

- European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

CS1000 plugs and socket-outlets comply with:

- CSA (Canada), Bureau Veritas Marine, TR CU (Eurasia).
- UL (USA), CSA (Canada).

800 A

SP
SINGLE POLE POWER CONNECTOR

IP66/IP67

Visual and mechanical coding

Electromechanical interlocking system

Overmoulded GRP on metal casing

SP PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE ELECTRICAL INSTALLATIONS TO:

- European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

SP plugs and socket-outlets comply with:

- CSA (Canada), Bureau Veritas Marine, TR CU (Eurasia), Mil-S-901D (Military).
- UL (USA), CSA (Canada).

1250 A

DSP1250
SINGLE POLE POWER CONNECTOR

IP66/IP67

Metal casing

DSP1250 PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE ELECTRICAL INSTALLATIONS TO:

- European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

16 A

U MAX
480 V AC
480 V DC

CONNECTOR PNC

IP66/IP67/IP69

0,75 mm²
2,5 mm²

GRP

IK08

-40 °C
+100 °C

OTHER FEATURES	
Permited current range	4-20 mA/16 A
IP (socket-outlet with cap)	IP66/IP67/IP69
IP (connected plug)	IP66/IP67/IP69. IP68 test at 10m deep during 15 days (contact us for these references)
Salt mist	50 000 hours

SOCKET-OUTLET
female
(with M25 lock nut)
PNC

INLET male
(with M25 lock nut)
PNC

480 V AC	4+E	01E4007	01E8007

COUPLER
socket female
PNC

PLUG
male
PNC

480 V AC	4+E	01E3007	01E1007

Cable diameter 11-15 mm (smaller diameter available according to specification).

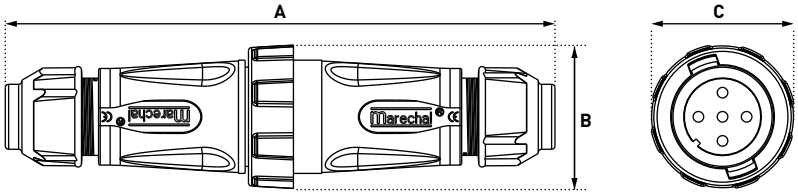
ACCESSORIES		Reference
IP66/IP67 INLET CAP		
	Socket-outlet cap Inlet cap	01EA125 01EA126
ADAPTER PLATE FOR DSN1 (P. 61) OR DXN1 (P. 268)		
		251A457-E
STRAIGHT SLEEVE		
		01EA127

HANDLE	Input/Cable outer Ø	Reference
HANDLE WITHOUT CABLE GLAND		
	M20	01EA253417

CABLE GLAND	Input/Cable outer Ø	Reference
	5-12 mm	9PEM20POLY+J
	3-9 mm	9PEM20RNPOL+J

DRAWINGS AND DIMENSIONS

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com



A	B	C
165	45	45

16-20 A

U MAX
500 V AC
750 V DC

DECONTACTOR™ DSN1

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 611A346

IP66 IP67 IP69	1-2,5 mm² (1) 1,5-4 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	2 PIL. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring 0.8 mm².

Other configurations on request.

For a black colour housing replace the second reference character with 5.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	20 A/500 V
Load-break capability according to IEC/EN 60947-3/AC-22A	20 A/500 V
Load-break capability according to IEC/EN 60947-3/AC-23A	20 A/500 V
Load-break capability according to IEC/EN 60947-3/DC-21A	20 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	10 kW

SOCKET-OUTLET female **DSN1**

INLET male **DSN1**

20-24 V AC	2P	611408A	611808A
190-250 V AC	1P+N+E	6114015	6118015
380-440 V AC	3P+E	6114013	6118013
190-250 V AC / 380-440 V AC	3P+N+E	6114017	6118017
480-500 V AC	3P+E	6114093	6118093
480-500 V AC	3P+N+E	6114097	6118097
Pilots 2 A/250 V AC	+ 2 pilots*	Ref. + 972	NA

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

* Unlike the rest of the DSN range, DSN1 auxiliaries are located on the female side only and are shunted. Electrical continuity is only ensured when the inlet and the socket-outlet are connected and when the pilot circuit is closed.

OPTIONS	Reference
INDUSTRIAL/DOMESTIC ADAPTERS Industrial inlet MARECHAL® 1P+N+E and domestic socket-outlet 16 A with integrated fuse. All these plug adapters are available to local standards: replace D11 by D40 for UK, D30 for Germany/Netherlands/Luxembourg, D06 for Italy.	6118015D11
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	613A541
LARGER RELEASE BUTTON	Socket-outlet ref. + 453
INLET CAP IP66/IP67	611A426
SELF-RETURNING LID: IP40 **LID CLOSED: IP66/IP67/IP69**	Socket-outlet ref. + R
SELF-EJECTING	See page 208
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	

SLEEVE	x°	Reference
POLY SLEEVE		●
	30°	511M3
	70°	511M7
METAL SLEEVE		
	0° (Straight)	591M0
	30°	591M3

BOXES	x°	Input	Reference
POLY BOX			●
	30°	M20	511B3M20
	30°	M25	511B3M25
POLY BOX + POLY SLEEVE **(BLACK VERSION SEE ACCESSORIES DXN1 PAGE 269)**			
	70°	Without hole	511C7000
	70°	Hole Ø 20	511C7M20
Earth bar ref.: 51AA089	70°	Hole Ø 25	511C7M25
	70°	Hole Ø 32	511C7M32
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	511C3M20

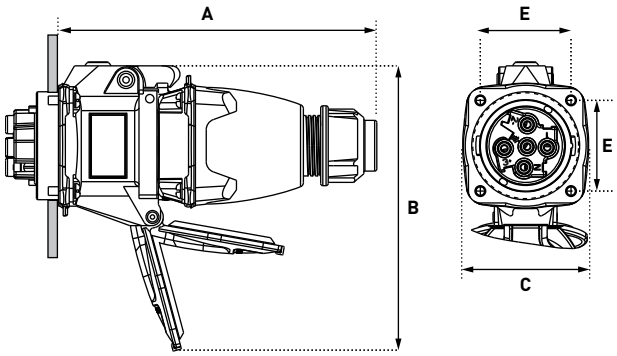
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE WITH GLAND			● ●
	9-18 mm	511P0D18	/
	5-21 mm	511P0D21	/
60°	9-18 mm	511P6D18	/
POLY HANDLE + POLY CABLE GLAND			●
	5-12 mm	511P020P	Ref. + 443 (10-14 mm)
	9-18 mm	511P025P	Ref. + 443 (12-18 mm)
	14-25 mm	511P032P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND)			●
	M20	511P0M20	/
	M25	511P0M25	/
	M32	511P0M32	/

DRAWINGS AND DIMENSIONS

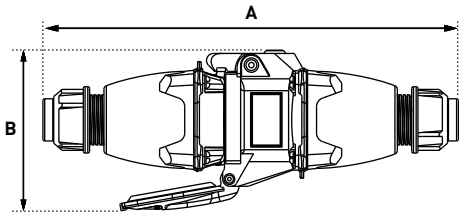
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



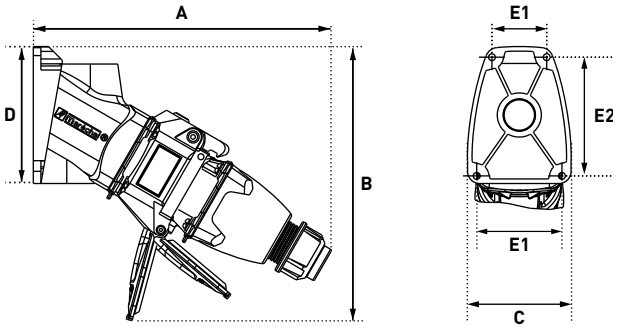
A	B	C	E
147	134	58	42

COUPLER



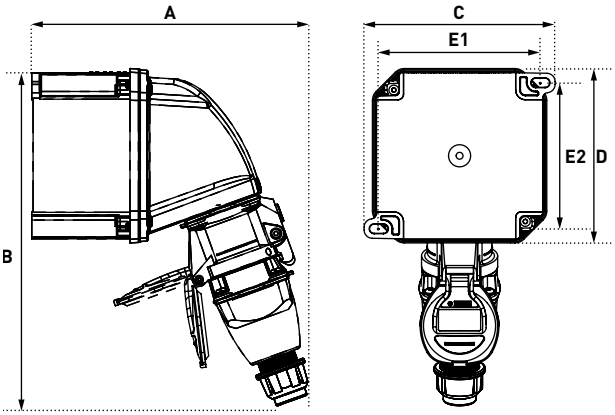
A	B
231	89

PLUG ON 30° WALL-MOUNTED SOCKET-OUTLET



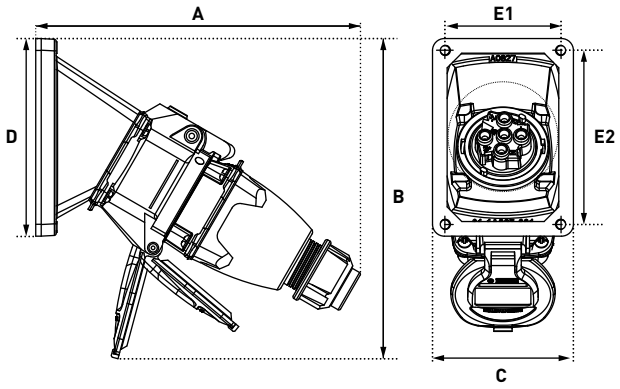
A	B	C	D	E1	E2
196	180	68	90	36/56	78

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



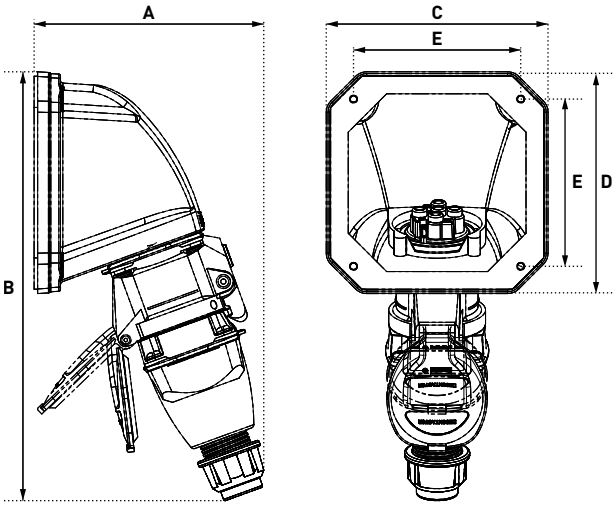
A	B	C	D	E1	E2
200	244	138	126	117	106

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
177	175	77	108	64	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
131	244	126	126	95

16-30 A

U MAX
500 V AC
750 V DC

INDUSTRIAL PLUG PN

INSTRUCTIONS FOR USE

IP66
IP67

1-6 mm² (1)
1,5-10 mm² (2)

GRP
METAL

IK09

-40 °C
+60 °C

EMC
METAL

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Other configurations on request.

GRP devices are not compatible with metal devices.

For a black colour GRP housing replace the second reference character with 5.

Dual-voltage socket-outlet (see p. 22)

GRP

SOCKET-OUTLET female **PN**

INLET male **PN**

20-24 V AC	2P	01N408A	01N808A
190-250 V AC	1P+N+E	01N4015	01N8015
380-440 V AC	3P+E	01N4013	01N8013
190-250 V AC / 380-440 V AC	3P+N+E	01N4017	01N8017
480-500 V AC	3P+E	01N4093	01N8093
480-500 V AC	3P+N+E	01N4097	01N8097

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

METAL

SOCKET-OUTLET female **PN**

INLET male **PN**

20-24 V AC	2P	09N408A	09N808A
190-250 V AC	1P+N+E	09N4015	09N8015
380-440 V AC	3P+E	09N4013	09N8013
190-250 V AC / 380-440 V AC	3P+N+E	09N4017	09N8017
480-500 V AC	3P+E	09N4093	09N8093
480-500 V AC	3P+N+E	09N4097	09N8097

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
INDUSTRIAL/DOMESTIC ADAPTERS Industrial inlet MARECHAL® 1P+N+E and domestic socket-outlet 16 A with integrated fuse. All these plug adapters are available to local standards: replace D11 by D40 for UK, D30 for Germany/Netherlands/Luxembourg, D06 for Italy.	
	01N8015D11
LOCKING FOR 1 PADLOCK Ø 4 mm (WITHOUT SHAFT)	
	Ref. + 843
SCREW LOCKING IMPRINT BTR 2,5	
	Socket-outlet ref. + 22
REVERSED INTERIOR AND CONTACTS	
The connector is supplied with a rubber inlet cap.	Inlet ref. + 001 Socket-outlet ref. + 001
IP55 SOCKET-OUTLET SELF-CLOSING LID	
	Replace N by S Ex: 400 V 3P+N+E poly = 01S4017
INLET CAP IP66/IP67	
	01NA426
180° OPENING LID	
	Socket-outlet ref. + 10
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
180° OPENING + SELF-RETURNING LID	
	Socket-outlet ref. + 18
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	

SLEEVE	x°	Reference
POLY SLEEVE ●		
	30°	511M3
	70°	511M7
METAL SLEEVE ●		
	0° (Straight)	591M0
	30°	591M3
	45°	591M4

BOXES	x°	Input	Reference
POLY BOX			
	0° (Straight)	M20	511B0M20
	0° (Straight)	M25	511B0M25
●	30°	M20	511B3M20
	30°	M25	511B3M25
METAL BOX (+ EARTHING WIRE) ●			
	0° (Straight)	M20	591B0M20
	0° (Straight)	M25	591B0M25
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	511C7000
	70°	Hole Ø 20	511C7M20
	70°	Hole Ø 25	511C7M25
	70°	Hole Ø 32	511C7M32
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE ●			
	30°	M20	511C3M20
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	45°	M20	591C4M20
	45°	M25	591C4M25
	45°	M32	591C4M32

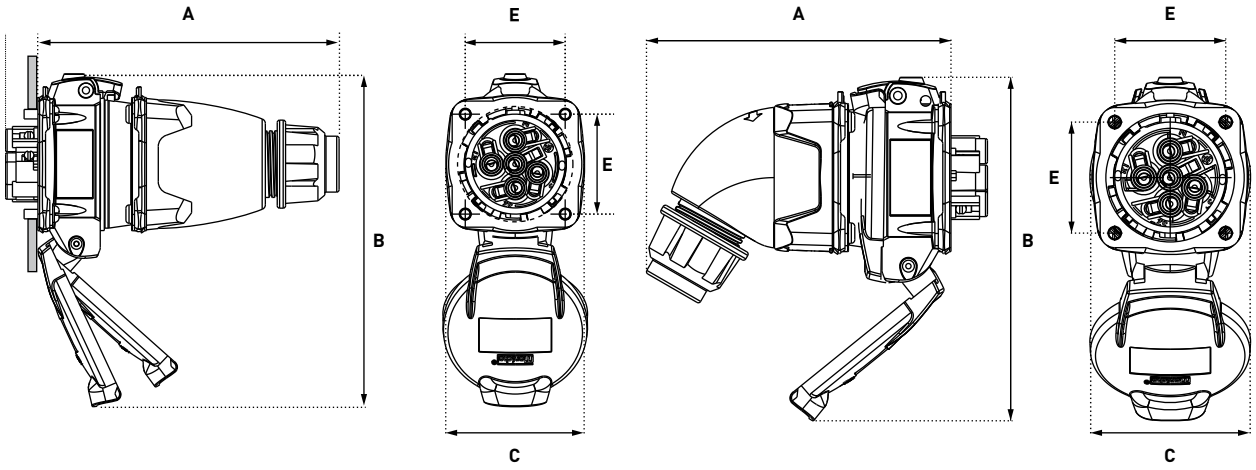
Table of cable glands on page 352.

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE WITH GLAND ● ●		
	9-18 mm	511P0D18
	5-21 mm	511P0D21
60°	9-18 mm	511P6D18
POLY HANDLE + POLY CABLE GLAND ●		
	5-12 mm	511P020P
	9-18 mm	511P025P
	14-25 mm	511P032P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	591P020M
	8-16 mm	591P025M
	16-24 mm	591P032M
POLY HANDLE (PE PAGE 352) ●		
	M20	511P0M20
	M25	511P0M25
	M32	511P0M32
METAL HANDLE METRIC THREAD ENTRY (PE PAGE 352) ● ●		
	M20	591P0M20
	M25	591P0M25
	M32	591P0M32

DRAWINGS AND DIMENSIONS

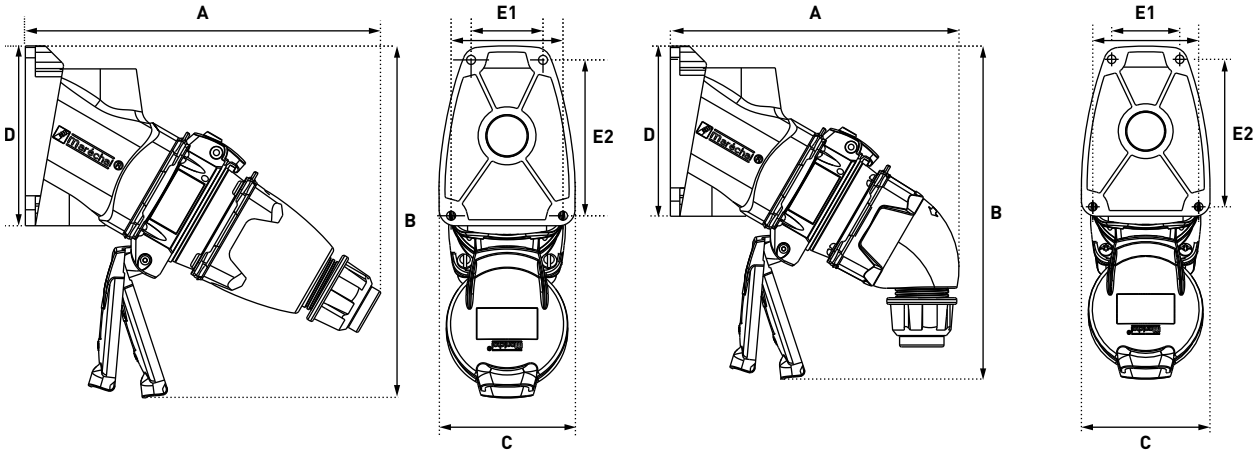
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



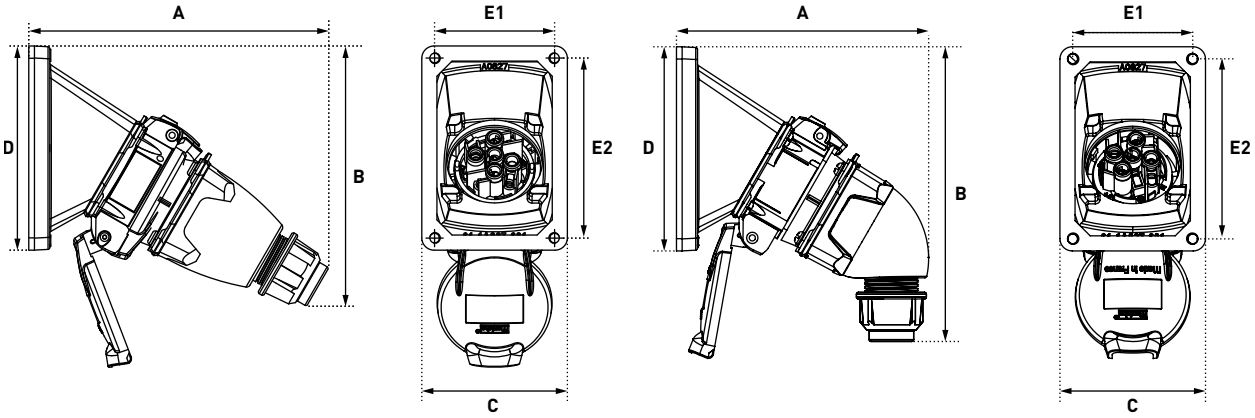
	A	B	C	E
Straight handle	127	140	58	42
Angled handle	117	138	61	42

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



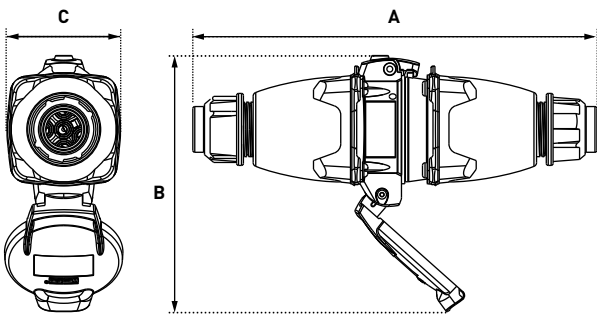
	A	B	C	D	E1	E2
Straight handle	178	176	68	90	36/56	78
Angled handle	153	176	68	90	36/56	78

PLUG ON 30° INCLINED SOCKET-OUTLET



	A	B	C	D	E1	E2
Straight handle	160	170	77	108	64	95
Angled handle	133	165	77	108	64	95

COUPLER



	A	B	C
Straight handle	208	132	58

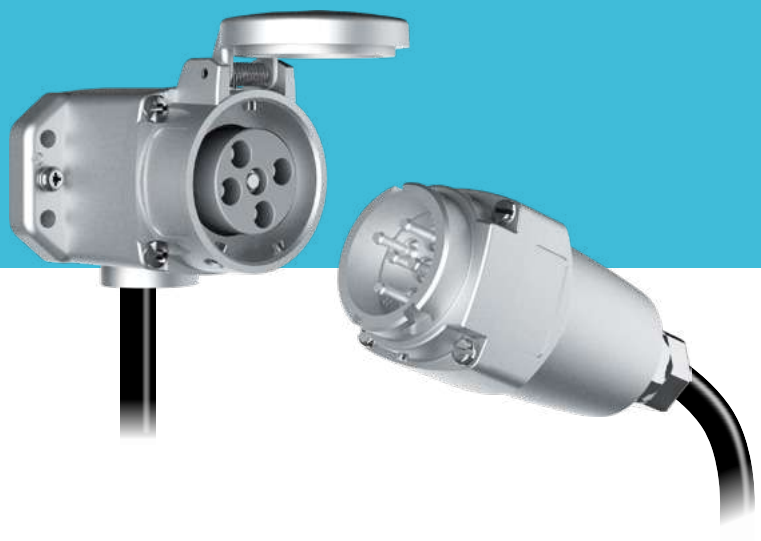
16-30 A

HIGH-TEMPERATURE PLUG PNHT

U MAX
500 V AC
750 V DC

240 °C

INSTRUCTIONS FOR USE



IP44

1-6 mm²
1,5-10 mm²

METAL

IK09

Self-closing lid as a standard

OTHER FEATURES	
Flexible wiring (min.-max.)	1-6 mm²
Stranded wiring (min.-max.)	1,5-10 mm²

METAL

SOCKET-OUTLET female **PNHT**

INLET male **PNHT**

20-24 V AC		2P	092408A185	092808A185
190-250 V AC		1P+N+E	0924015185	0928015185
380-440 V AC		3P+E	0924013185	0928013185
190-250 V AC	380-440 V AC	3P+N+E	0924017185	0928017185

BOXES	X°	Input	Reference
METAL BOX (+ EARTHING WIRE)			
	0° (Straight)	M20	571B0M20185
	0° (Straight)	M25	571B0M25185
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	45°	M20	571C4M20185
	45°	M25	571C4M25185
	45°	M32	571C4M32185

Cable glands are not delivered with the boxes.

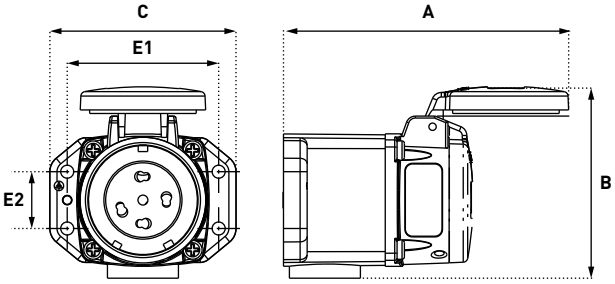
SLEEVE	X°	Reference
METAL SLEEVE		
	45°	571M4185

HANDLE	Input/Cable outer Ø	Reference
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	8-13 mm	571P020M185
	12-20 mm	571P025M185
	18-28 mm	571P032M185
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M25	571P0M25185
	M32	571P0M32185

DRAWINGS AND DIMENSIONS

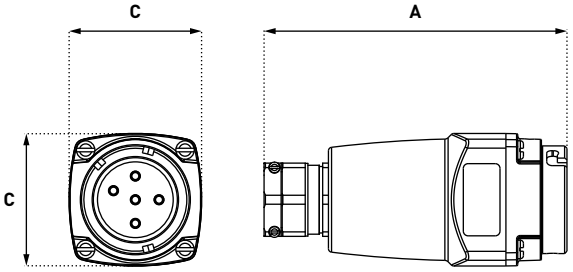
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

SOCKET ON STRAIGHT WALL BOX



A	B	C	E1	E2
121	80	79	64	24

PLUG



A	C
128	56

16-30 A

U MAX
690 V AC
1000 V DC

DECONTACTOR™ DS1

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 613A346

IP54(1)
IP55(2)

2,5-6 mm² (3)
2,5-10 mm² (4)

GRP

IK09

-40 °C
+60 °C

AC-22A
AC-23A
DC-21A

60309-1
60309-4
60947-3

2 AUX(5)

(1) IP protection plug connected
(2) IP protection lid closed
(3) Flexible wiring (min.-max.).
(4) Stranded wiring (min.-max.).
(5) Flexible wiring : 2,5-6 mm², stranded : 2,5-10 mm²

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	30 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-22A	30 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	30 A/480 V
Load-break capability according to IEC/EN 60947-3/DC-21A	30 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	15 kW

Other cable sections: please contact us.

For a black colour housing replace the second reference character with 5.

SOCKET-OUTLET female **DS1**

INLET male **DS1**

20-24 V AC	2P	311408A	311808A
190-250 V AC	1P+N+E	3114015	3118015
380-440 V AC	3P+E	3114013	3118013
190-250 V AC / 380-440 V AC	3P+N+E	3114017	3118017
660-690 V AC	3P+E	3114193	3118193
660-690 V AC	3P+N+E	3114197	3118197
Up to 500 V AC - Auxiliaries 30 A*	+ 2 contacts	Ref. + 972	Ref. + 972

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

* When ordering the auxiliary option, the maximum tolerated voltage is reduced to 500 V AC.

OPTIONS	Reference
INDUSTRIAL/DOMESTIC ADAPTERS Industrial inlet MARECHAL® 1P+N+E and domestic socket-outlet 16 A with integrated fuse. All these plug adapters are available to local standards: replace D11 by D40 for UK, D30 for Germany/Netherlands/Luxembourg, D06 for Italy.	
	3118015D11
COUPLER FITTED WITH A DIFFERENTIAL BREAKER Coupler fitted with a domestic plug (IP44 - 10/16 A 250V 2P+E), a mobile socket-outlet (DS1 type - IP55-230V 1P+N+E) and a differential circuit breaker (IP55-30 mA - nominal current 16 A) with reset button.	
	3114015ID3 (30 mA)
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	311A426
IP55 SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	311A226
SELF-EJECTING	
	See page 208
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	
INTEGRATED FINGER DRAW PLATES + ROPE GUIDE ●	
This handle has integrated rope guide and finger draw plate, so there's no need to order a pair of additional finger draw plates.	

SLEEVE	x°	Reference
POLY SLEEVE ●		
	30°	512M3
	70°	512M7
METAL SLEEVE		
	0° (Straight)	592M0
	30°	592M3

BOXES	x°	Input	Reference
POLY BOX ●			
	30°	M20	512B3M20
	30°	M25	512B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	592B2M20
	20°	M25	592B2M25
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	512C7000
	70°	Hole Ø 20	512C7M20
	70°	Hole Ø 25	512C7M25
	70°	Hole Ø 32	512C7M32
	70°	Hole Ø 40	512C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	512C3M20
	30°	M25	512C3M25
	30°	M32	512C3M32
	30°	M40	512C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	592C3M20
	30°	M25	592C3M25
	30°	M32	592C3M32
	0° (Droit)	M20	592C0M20
	0° (Droit)	M25	592C0M25
	0° (Droit)	M32	592C0M32

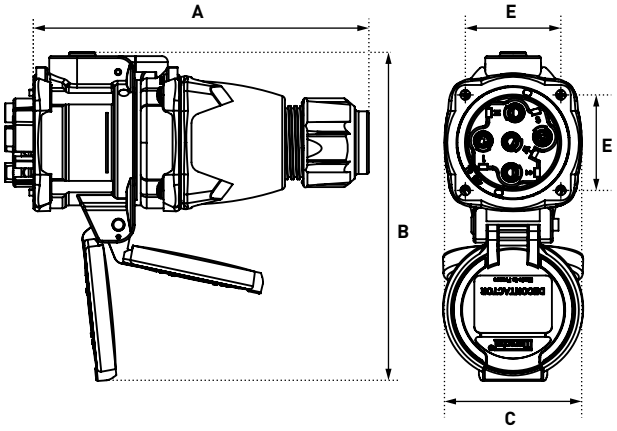
Les boîtiers sont livrés sans presse-étoupe.

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE WITH GLAND ● ●		
	5-21 mm	512P0D21
POLY HANDLE + POLY CABLE GLAND ● ●		
	5-12 mm	512P020P
	9-18 mm	512P025P
	14-25 mm	512P032P
	18-32 mm	512P040P
POLY HANDLE (WITHOUT CABLE GLAND) ● ●		
	M20	512P0M20
	M25	512P0M25
	M32	512P0M32
	M40	512P0M40
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	592P020M
	8-16 mm	592P025M
	16-24 mm	592P032M
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M20	592P0M20
	M25	592P0M25
	M32	592P0M32

DRAWINGS AND DIMENSIONS

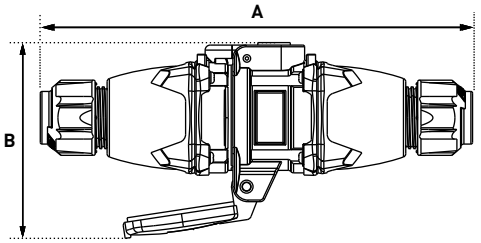
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



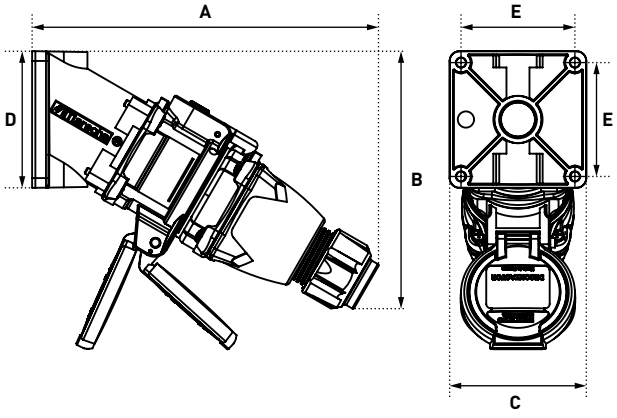
A	B	C	E
166	163	69	48

COUPLER



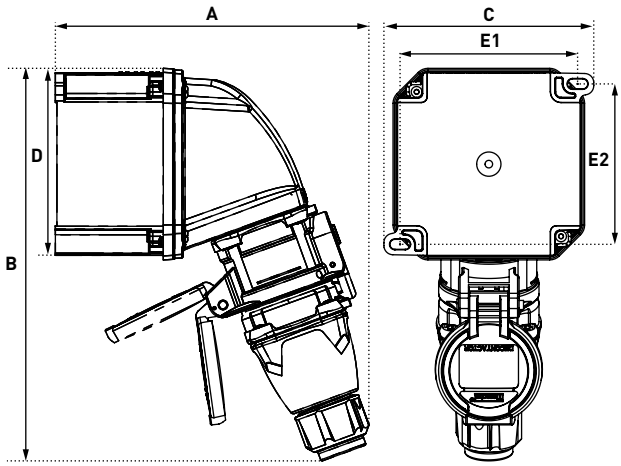
A	B	C
259	117	69

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



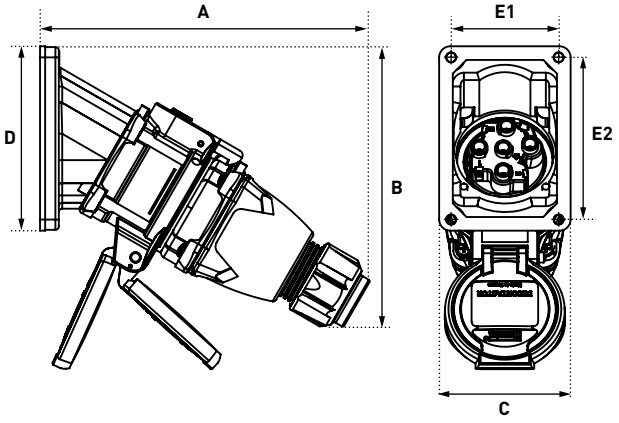
A	B	C	D	E
209	157	84	84	70

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



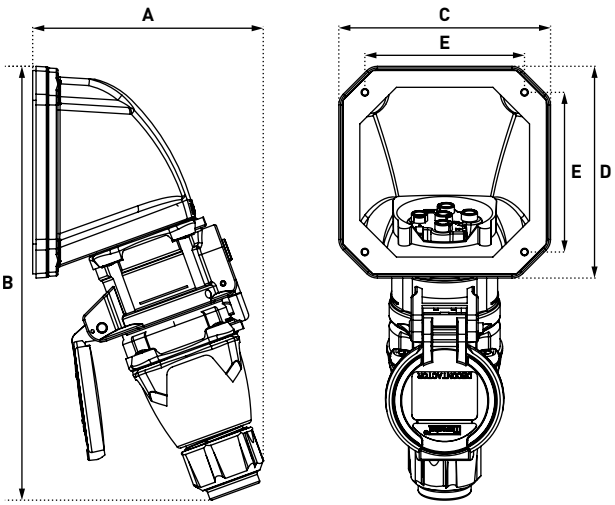
A	B	C	D	E1	E2
206	259	138	126	117	106

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
193	200	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
138	259	126	126	95

32 A

U MAX
690 V AC
1000 V DC

DECONTACTOR™ DSN3

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 613A346

IP66 IP67 IP69	2,5-6 mm² (1) 2,5-10 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	2 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,5-6 mm², stranded : 2,5-10 mm²

Other cable sections: please contact us.

For a black colour housing replace the second reference character with 5.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	32 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-22A	32 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	32 A/480 V
Load-break capability according to IEC/EN 60947-3/DC-21A	32 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	18,5 kW

SOCKET-OUTLET female **DSN3**

INLET male **DSN3**

20-24 V AC	2P	613408A	613808A
190-250 V AC	1P+N+E	6134015	6138015
380-440 V AC	3P+E	6134013	6138013
190-250 V AC / 380-440 V AC	3P+N+E	6134017	6138017
660-690 V AC	3P+E	6134193	6138193
660-690 V AC	3P+N+E	6134197	6138197
Auxiliaries 30 A/500 V AC	+ 2 contacts	Ref. + 972	Ref. + 972

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

* When ordering the auxiliary option, the maximum tolerated voltage is reduced to 500 V AC.

OPTIONS	Reference
INDUSTRIAL/DOMESTIC ADAPTERS Industrial inlet MARECHAL® 1P+N+E and domestic socket-outlet 16 A with integrated fuse. All these plug adapters are available to local standards: replace D11 by D40 for UK, D30 for Germany/Netherlands/Luxembourg, D06 for Italy.	
	6138015D11
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	613A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	613A226
SELF-EJECTION	
	See page 208
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	
INTEGRATED FINGER DRAW PLATES + ROPE GUIDE ●	
This handle has integrated rope guide and finger draw plate, so there's no need to order a pair of additional finger draw plates.	

SLEEVE	x°	Reference
POLY SLEEVE		●
	30°	512M3
	70°	512M7
METAL SLEEVE		
	0° (Straight)	592M0
	30°	592M3

BOXES	x°	Input	Reference
POLY BOX			●
	30°	M20	512B3M20
	30°	M25	512B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	592B2M20
	20°	M25	592B2M25
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN3 PAGE 281)			
	70°	Without hole	512C7000
	70°	Hole Ø 20	512C7M20
	70°	Hole Ø 25	512C7M25
Earth bar ref.: 51AA089	70°	Hole Ø 32	512C7M32
	70°	Hole Ø 40	512C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	512C3M20
	30°	M25	512C3M25
	30°	M32	512C3M32
	30°	M40	512C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	592C3M20
	30°	M25	592C3M25
	30°	M32	592C3M32
	0° (Straight)	M20	592C0M20
	0° (Straight)	M25	592C0M25
	0° (Straight)	M32	592C0M32

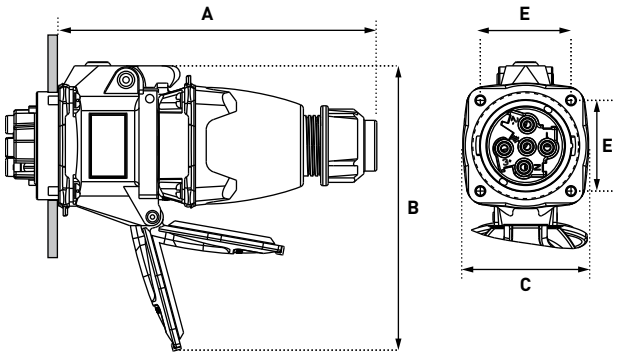
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE WITH GLAND		● ●
	5-21 mm	512P0D21
POLY HANDLE + POLY CABLE GLAND		● ●
	5-12 mm	512P020P
	9-18 mm	512P025P
	14-25 mm	512P032P
	18-32 mm	512P040P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	592P020M
	8-16 mm	592P025M
	16-24 mm	592P032M
POLY HANDLE (WITHOUT CABLE GLAND)		● ●
	M20	512P0M20
	M25	512P0M25
	M32	512P0M32
	M40	512P0M40
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M20	592P0M20
	M25	592P0M25
	M32	592P0M32

DRAWINGS AND DIMENSIONS

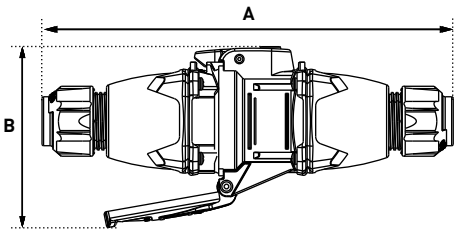
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



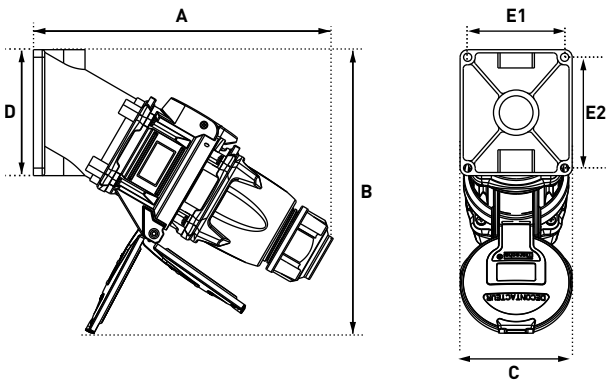
A	B	C	E
171	171	77	48

COUPLER



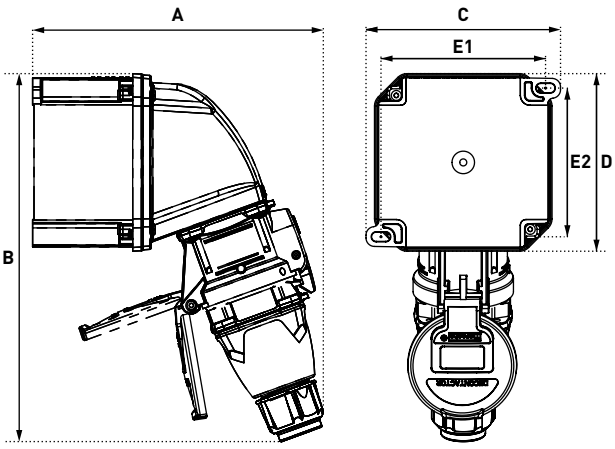
A	B
265	116

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



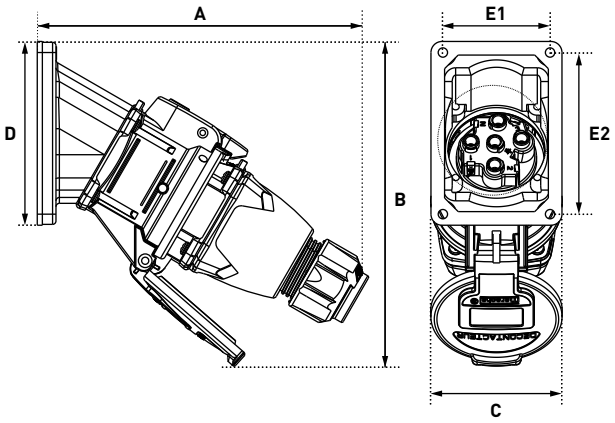
A	B	C	D	E1	E2
213	191	84	84	70	70

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



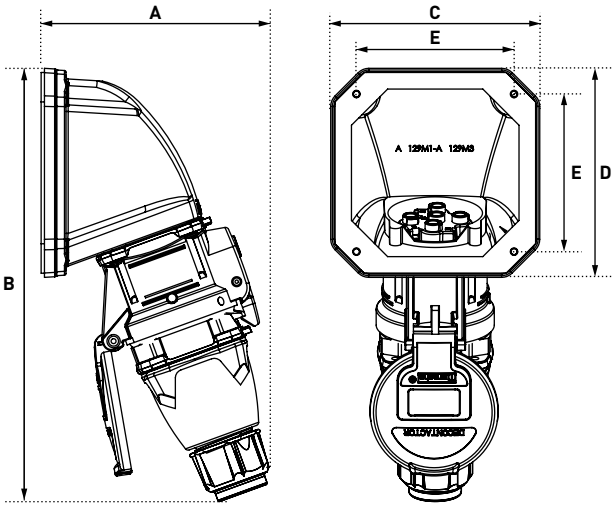
A	B	C	D	E1	E2
207	262	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
195	165	77	191	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
138	262	126	126	95

32-50 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS3

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP54(1)
IP55(2)

6-16 mm² (3)
10-25 mm² (4)

GRP

IK09

-40 °C
+60 °C

AC-22A
AC-23A
DC-21A

60309-1
60309-4
60947-3

4 AUX. (5)

(1) IP protection plug connected
(2) IP protection lid closed
(3) Flexible wiring (min.-max.).
(4) Stranded wiring (min.-max.).
(5) Flexible wiring : 1-2,5 mm², stranded : 1,5-4mm²

Other cable sections: please contact us.

For a black colour housing replace the second reference character with 5.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(50 A/690 V) or (45 A/1 000 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	40 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	50 A/400 V
Load-break capability according to IEC/EN 60947-3/DC-21A	50 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	30 kW

SOCKET-OUTLET female **DS3**

INLET male **DS3**

20-24 V AC	2P	313408A	313808A
190-250 V AC	1P+N+E	3134015	3138015
380-440 V AC	3P+E	3134013	3138013
190-250 V AC / 380-440 V AC	3P+N+E	3134017	3138017
660-690 V AC	3P+E	3134193	3138193
660-690 V AC	3P+N+E	3134197	3138197
1 000 V AC	3P+E	3134223	3138223
Auxiliaries 16 A/400 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 16 A/400 V AC	+ 4 contacts	Ref. + 264	Ref. + 264

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	313A426
IP55 SELF-RETURNING LID	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	313A226
SELF-EJECTING	
	See page 208

PRODUCTS AVAILABLE IN BLACK ●

The black dot means these products are also available in black color. Replace the second character of the product reference with 5

PRODUCT WITH ANTI-BACTERIAL TREATMENT ●

This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE WITH GLAND			● ●
	10-30 mm	513P0D30	/
POLY HANDLE + POLY CABLE GLAND			●
	9-18 mm	513P025P	Ref. +443
	14-25 mm	513P032P	Ref. +443
	18-32 mm	513P040P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND)			●
	M20	513P0M20	Ref. +443
	M25	513P0M25	Ref. +443
	M32	513P0M32	Ref. +443
	M40	513P0M40	Ref. +443
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)			
	7-13 mm	593P020M	/
	8-16 mm	593P025M	/
	16-24 mm	593P032M	/
	22-32 mm	593P040M	/
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)			
	M20	593P0M20	/
	M25	593P0M25	/
	M32	593P0M32	/
	M40	593P0M40	/

BOXES	X°	Input	Reference
POLY BOX			●
	30°	M25	513B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	593B2M20
	20°	M25	593B2M25
	20°	M32	593B2M32
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	513C7000
	70°	Hole Ø 25	513C7M25
	70°	Hole Ø 32	513C7M32
	70°	Hole Ø 40	513C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	513C3M20
	30°	M25	513C3M25
	30°	M32	513C3M32
	30°	M40	513C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	593C3M20
	30°	M25	593C3M25
	30°	M32	593C3M32
	30°	M40	593C3M40
	0° (Straight)	M20	593C0M20
	0° (Straight)	M25	593C0M25
	0° (Straight)	M32	593C0M32
	0° (Straight)	M40	593C0M40
	70°	M20	593C7M20
	70°	M25	593C7M25
	70°	M32	593C7M32
	70°	M40	593C7M40

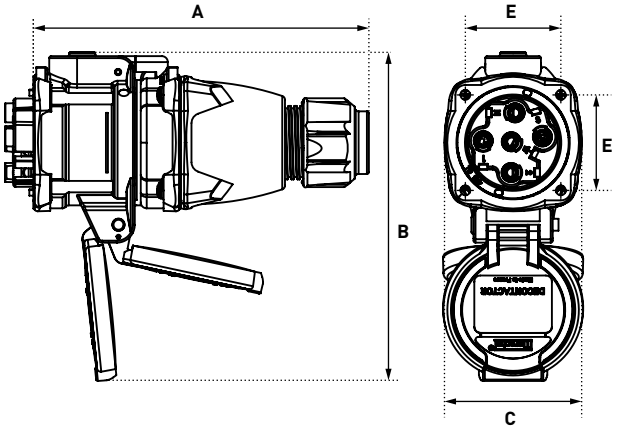
Cable glands are not delivered with the boxes.

SLEEVE	X°	Reference
POLY SLEEVE		●
	30°	513M3
	70°	513M7
METAL SLEEVE		
	0° (Straight)	593M0
	30°	593M3
	70°	593M7

DRAWINGS AND DIMENSIONS

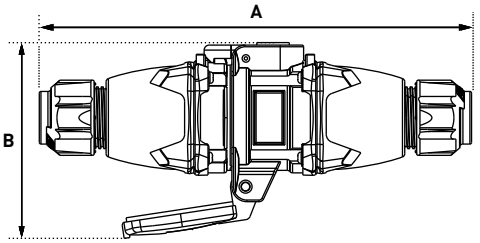
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



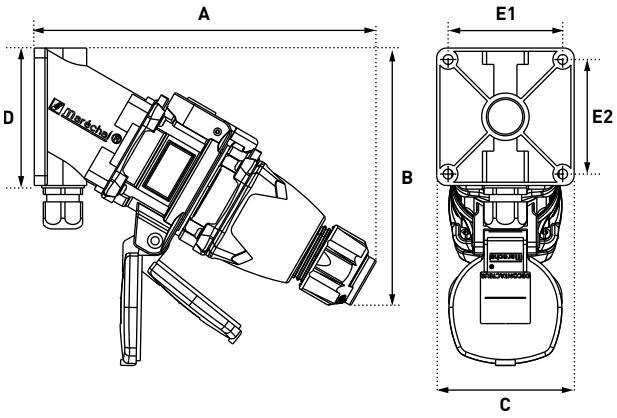
A	B	C	E
179	184	80	55

COUPLER



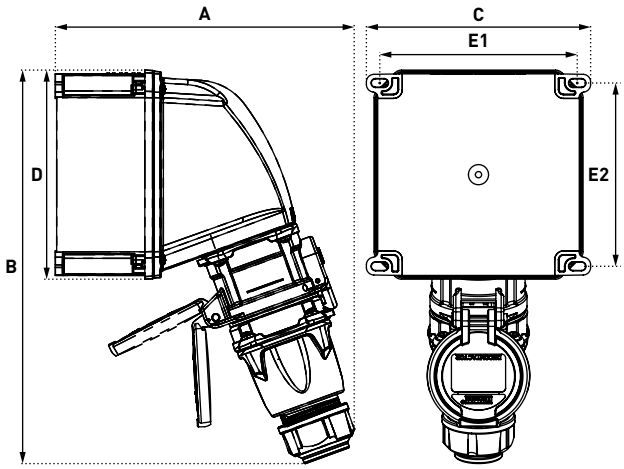
A	B
277	145

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



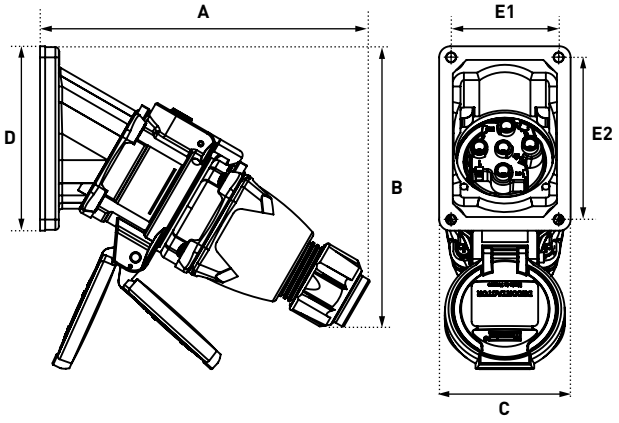
A	B	C	D	E1	E2
235	219	89	100	77	88

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



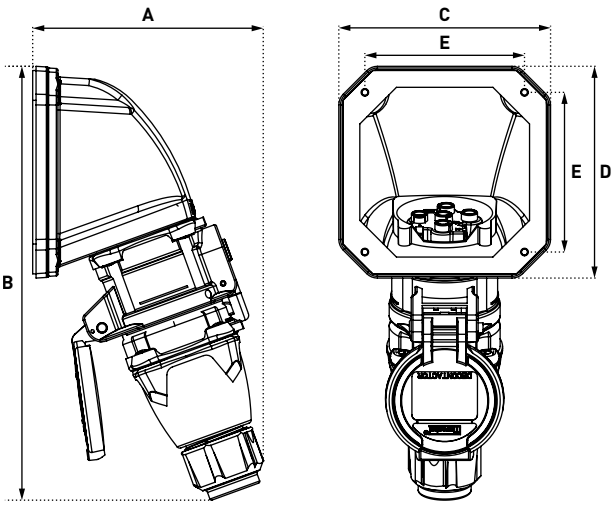
A	B	C	D	E1	E2
238	313	178	166	157	146

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
208	214	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
169	313	166	166	135

50 A

U MAX
500 V AC
750 V DC

DECONTACTOR™ DS7C3

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO COMMAND
A pair of finger draw plates to aid closing
Reference 316A346

IP66 IP67	2,5-6 mm² (1) 2,5-10 mm² (2)	GRP METAL	IK09	-40 °C +60 °C	AC-22A DC-21A	60309-1 60309-4 60947-3	3 AUX.	EMC METAL

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

GRP devices are not compatible with metal devices.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 standards	50 A/500 V
Load-break capability according to IEC/EN 60947-3/AC-22A	50 A/500 V
Load-break capability according to IEC/EN 60947-3/DC-21A	50 A/250 V

OTHER FEATURES	
Terminals wiring	screw-type
Flexible and stranded wiring (min.-max.)	2,5-10 mm²

GRP — **SOCKET-OUTLET** female **DS7C3** — **INLET** male **DS7C3**

50 A/max 500 V AC	6P+E	3134561	3138561
50 A/max 500 V AC Auxiliaries 10 A/400 V	6P+E+3 aux.	3134561972	3138561972

METAL — **SOCKET-OUTLET** female **DS7C3** — **INLET** male **DS7C3**

50 A/max 500 V AC	6P+E	3934561	3938561
50 A/max 500 V AC Auxiliaries 10 A/400 V	6P+E+3 aux.	3934561972	3938561972

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	316A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. poly + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	396A226
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

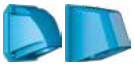
SELF-EJECTION	
	See page 208

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
ELASTOMER HANDLE WITH GLAND			
	14-20 mm	554P0D20L	Ref. +443
	18-25 mm	554P0D25L	Ref. +443
	25-35 mm	554P0D35L	Ref. +443
	35-45 mm	554P0D45L	Ref. +443
	45-49 mm	554P0D49L	Ref. +443
POLY HANDLE WITH GLAND			
	13-35 mm	514P0D35	/
POLY HANDLE + POLY CABLE GLAND			
	14-25 mm	514P032P	Ref. +443
	18-32 mm	514P040P	Ref. +443
	24-38 mm	514P050P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND)			
	M32	514P0M32	Ref. +443
	M40	514P0M40	Ref. +443
	M50	514P0M50	/
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●			
	M25	594P0M25	/
	M32	594P0M32	/
	M40	594P0M40	/
	M50	594P0M50	/

HANDLE	Input/Cable outer Ø	Reference
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE) ●		
	8-16 mm	594P025M
	16-24 mm	594P032M
	22-32 mm	594P040M
	34-44 mm	594P050M

BOXES	x°	Input	Reference
POLY BOX			
	30°	M32	514B3M32
	30°	M40	514B3M40
METAL BOX (+ EARTHING WIRE) ●			
	20°	M25	594B2M25
	20°	M32	594B2M32
	20°	M40	594B2M40
POLY BOX + POLY SLEEVE			
	70°	Without hole	514C7000
	70°	Ø 32 mm drill hole	514C7M32
Earth bar ref. : 51AA089	70°	Ø 40 mm drill hole	514C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M25	514C3M25
	30°	M32	514C3M32
	30°	M40	514C3M40
	30°	M50	514C3M50
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M25	594C3M25
	30°	M32	594C3M32
	30°	M40	594C3M40
	30°	M50	594C3M50
	0° (Straight)	M25	594C0M25
	0° (Straight)	M32	594C0M32
	0° (Straight)	M40	594C0M40
	0° (Straight)	M50	594C0M50
	70°	M25	594C7M25
	70°	M32	594C7M32
	70°	M40	594C7M40
	70°	M50	594C7M50

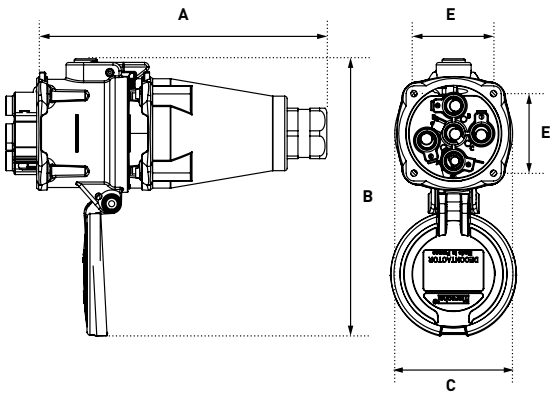
Cable glands are not delivered with the boxes.

SLEEVE	x°	Reference	
		POLY	METAL ●
	0° (Straight)	/	594M0
	30°	514M3	594M3
	70°	514M7	594M7

DRAWINGS AND DIMENSIONS

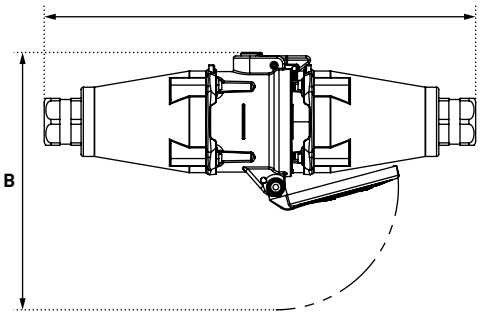
DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com

PLUG ON SOCKET-OUTLET



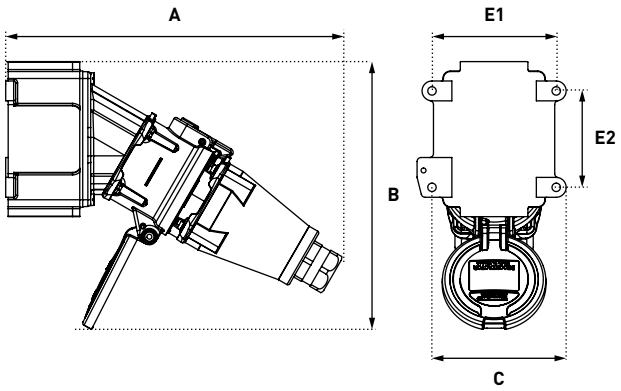
A	B	C	E
203	175	95	66

COUPLER



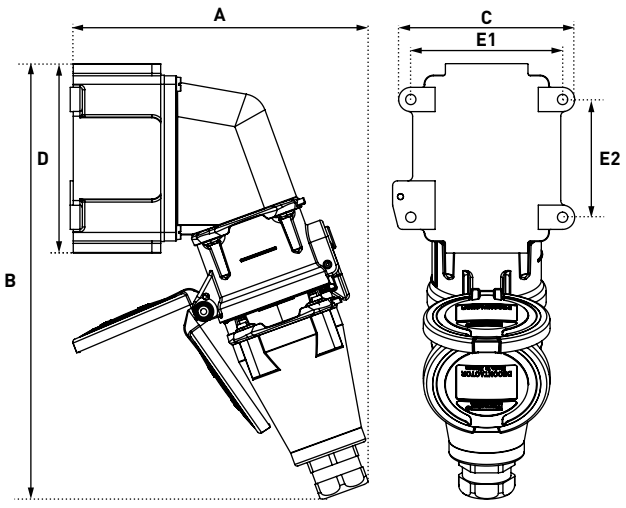
A	B
309	127

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



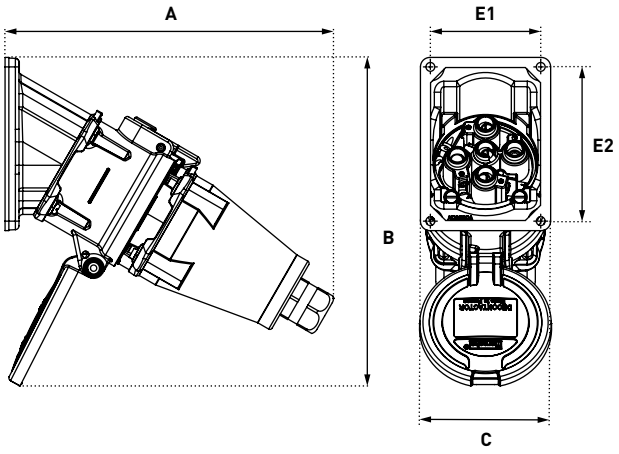
A	B	C	E1	E2
260	260	105	88	122

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



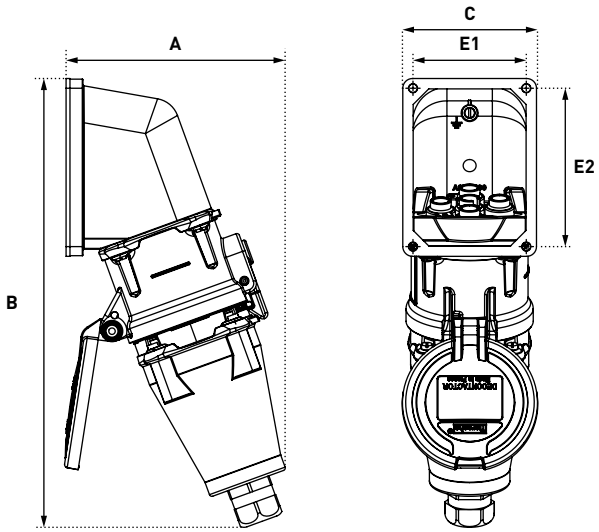
A	B	C	D	E1	E2
242	333	178	166	157	146

PLUG ON 30° INCLINED SOCKET-OUTLET

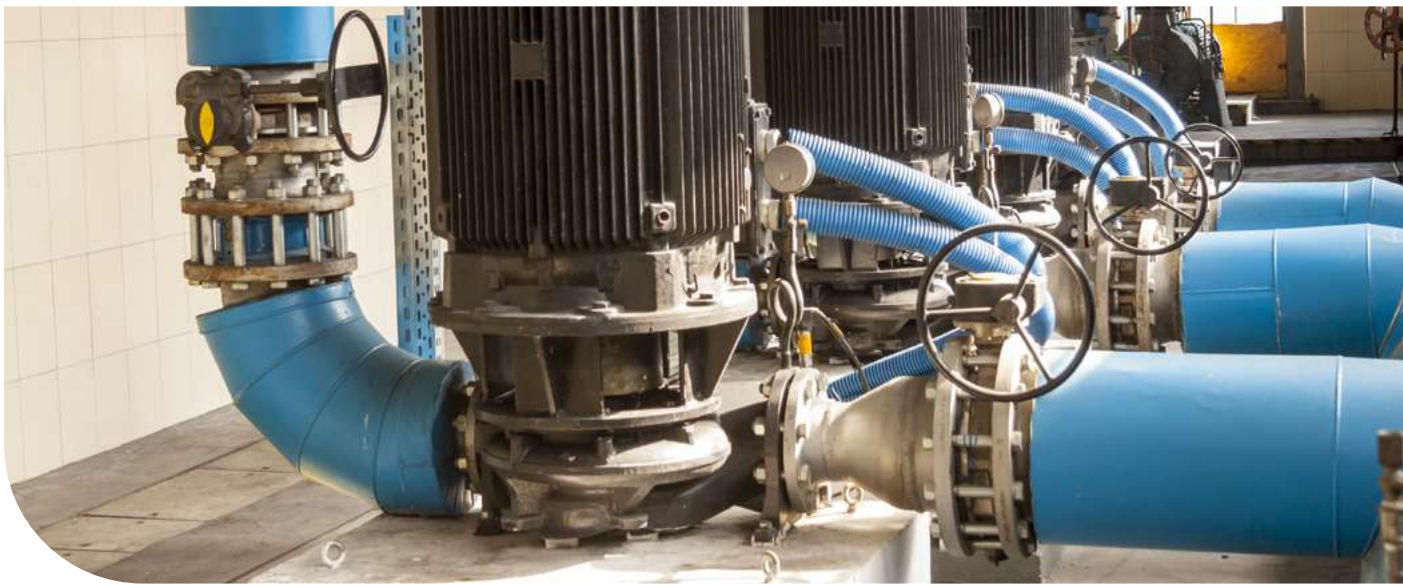


A	B	C	D	E1	E2
279	257	102	136	88	122

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
169	346	104	88	88



50 A

U MAX
500 V AC

FLAT CONNECTOR FC

IP54 | 6 - 10 mm² | GRP | IK09 | -40 °C +60 °C

Suitable for flat cables with width between 26 mm and 40 mm and height between 7 mm and 11 mm

OTHER FEATURES	
Polarity	4P+E
Flexible wiring (min.-max.)	6 - 10 mm²
Stranded wiring (min.-max.)	6 - 10 mm²
Number of operations	2000 cycles
IP protection plug connected	IP54
IP protection disconnected	IP2X

REFERENCES AND ACCESSORIES

SOCKET-OUTLET female
FC

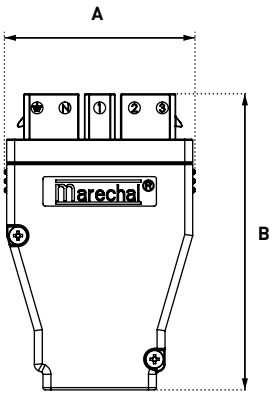
INLET male
FC

500 V AC	4+E	05F4007	05F8007

ACCESSORIES	Reference
HANDLES	
	01FA013 Adapter accessory for 5G6 flat cables is included.

DRAWINGS AND DIMENSIONS

DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com



A	B	C	D	E
84	131	19	138	89

63 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DSN6

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP66 IP67 IP69	6-16 mm² (1) 10-25 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	4 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 1-2,5 mm², stranded : 1,5-4 mm²

Other cable sections: please contact us.

For a black colour housing replace the second reference character with 5.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(63 A/690 V) or (45 A/1 000 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	40 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	63 A/400 V
Load-break capability according to IEC/EN 60947-3/DC-21A	63 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	30 kW

SOCKET-OUTLET female **DSN6**

INLET male **DSN6**

20-24 V AC	2P	616408A	616808A
190-250 V AC	3P+E	6164033	6168033
190-250 V AC	1P+N+E	6164015	6168015
380-440 V AC	3P+E	6164013	6168013
190-250 V AC / 380-440 V AC	3P+N+E	6164017	6168017
660-690 V	3P+E	6164193	6168193
660-690 V	3P+N+E	6164197	6168197
Auxiliaries 16 A/400 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 16 A/400 V AC	+ 4 contacts	Ref. + 264	Ref. + 264

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	616A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	616A226
SELF-EJECTION	
	See page 208

PRODUCTS AVAILABLE IN BLACK ●

The black dot means these products are also available in black color. Replace the second character of the product reference with 5

PRODUCT WITH ANTI-BACTERIAL TREATMENT ●

This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.

SLEEVE	x°	Reference
POLY SLEEVE		●
	30°	513M3
	70°	513M7
METAL SLEEVE		
	0° (Straight)	593M0
	30°	593M3
	70°	593M7

BOXES*	x°	Input	Reference
POLY BOX			●
	30°	M25	513B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	593B2M20
	20°	M25	593B2M25
	20°	M32	593B2M32
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN6 PAGE 289)			
Earth bar ref.: 51AA089	70°	Without hole	513C7000
	70°	Hole Ø 25	513C7M25
	70°	Hole Ø 32	513C7M32
	70°	Hole Ø 40	513C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	513C3M20
	30°	M25	513C3M25
	30°	M32	513C3M32
	30°	M40	513C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	593C3M20
	30°	M25	593C3M25
	30°	M32	593C3M32
	30°	M40	593C3M40
	0° (Straight)	M20	593C0M20
	0° (Straight)	M25	593C0M25
	0° (Straight)	M32	593C0M32
	0° (Straight)	M40	593C0M40
	70°	M20	593C7M20
	70°	M25	593C7M25
	70°	M32	593C7M32
	70°	M40	593C7M40

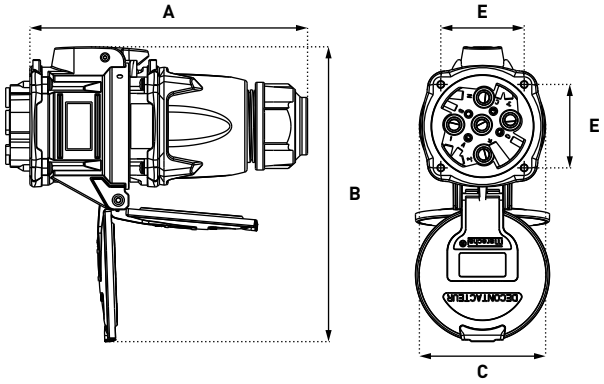
* Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE WITH GLAND			● ●
	10-30 mm	513P0D30	/
POLY HANDLE + POLY CABLE GLAND			●
	5-12 mm	513P020P	Ref. +443
	9-18 mm	513P025P	Ref. +443
	14-25 mm	513P032P	Ref. +443
	18-32 mm	513P040P	Ref. +443
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)			
	7-13 mm	593P020M	/
	8-16 mm	593P025M	/
	16-24 mm	593P032M	/
	22-32 mm	593P040M	/
POLY HANDLE (WITHOUT CABLE GLAND)			●
	M20	513P0M20	Ref. +443
	M25	513P0M25	Ref. +443
	M32	513P0M32	Ref. +443
	M40	513P0M40	Ref. +443
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)			
	M20	593P0M20	/
	M25	593P0M25	/
	M32	593P0M32	/
	M40	593P0M40	/

DRAWINGS AND DIMENSIONS

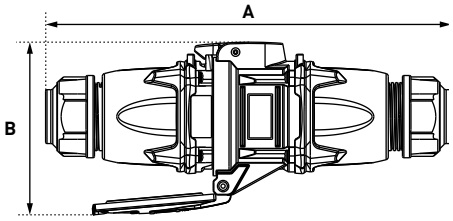
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



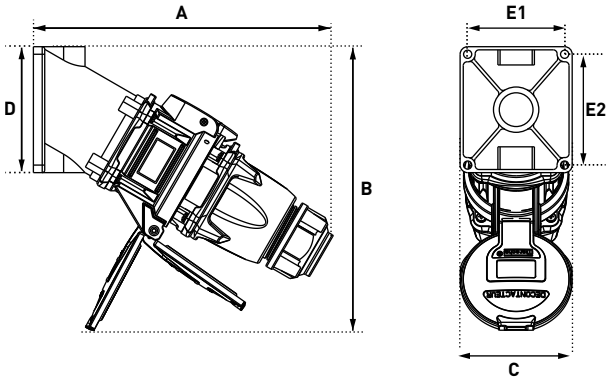
A	B	C	E
184	195	84	55

COUPLER



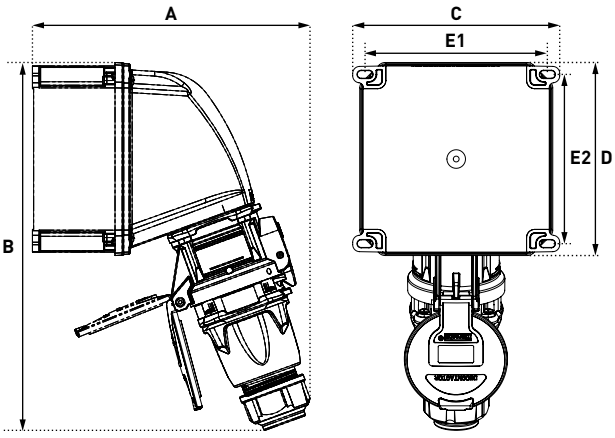
A	B
286	122

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



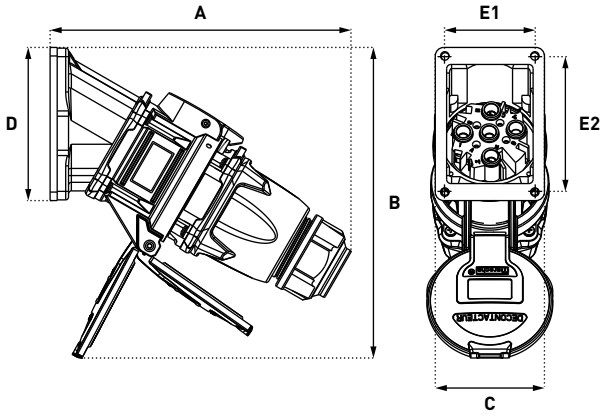
A	B	C	D	E1	E2
238	225	89	100	77	88

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



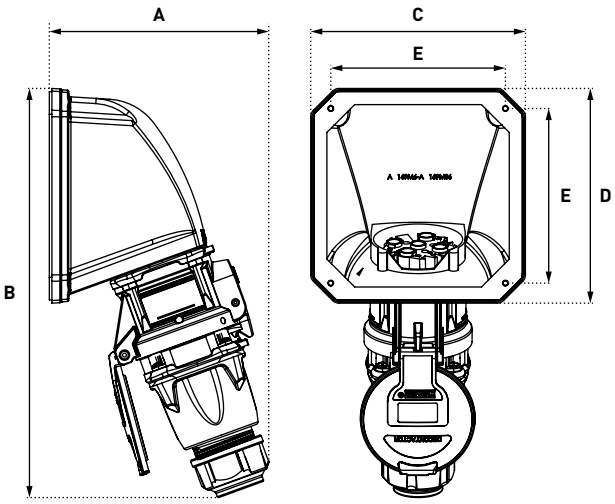
A	B	C	D	E1	E2
239	317	178	166	157	146

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
212	219	77	108	64	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
170	317	166	166	135

63 A

U MAX
800 V AC
1100 V DC

DECONTACTOR™ DSN6

INSTRUCTIONS FOR USE

STANDARD LOCKING WITH PADLOCK KEY Ø UP TO 8 mm (PADLOCK NOT SUPPLIED)

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP66 IP67 IP69	6-16 mm² (1) 10-25 mm² (2)	METAL	IK10	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	4 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 1-2,5 mm², stranded : 1,5-4 mm²

Other cable sections: please contact us.

GRP devices are not compatible with metal devices.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(63 A/690 V) or (45 A/800 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	40 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	63 A/400 V
Load-break capability according to IEC/EN 60947-3/DC-21A	63 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	30 kW

SOCKET-OUTLET female **DSN6**

INLET male **DSN6**

20-24 V AC	2P	696408A	696808A
190-250 V AC	3P+E	6964033	6968033
190-250 V AC	1P+N+E	6964015	6968015
380-440 V AC	3P+E	6964013	6968013
190-250 V AC / 380-440 V AC	3P+N+E	6964017	6968017
660-690 V	3P+E	6964193	6968193
660-690 V	3P+N+E	6964197	6968197
Auxiliaries 16 A/400 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 16 A/400 V AC	+ 4 contacts	Ref. + 264	Ref. + 264

Dual-voltage socket-outlet (see p. 22)

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	616A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	616A226
SELF-EJECTION	
	See page 208
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	

SLEEVE	x°	Reference
POLY SLEEVE		●
	30°	513M3
	70°	513M7
METAL SLEEVE		
	0° (Straight)	593M0
	30°	593M3
	70°	593M7

BOXES*	x°	Input	Reference
POLY BOX			●
	30°	M25	513B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	593B2M20
	20°	M25	593B2M25
	20°	M32	593B2M32
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN6 PAGE 289)			
Earth bar ref.: 51AA089	70°	Without hole	513C7000
	70°	Hole Ø 25	513C7M25
	70°	Hole Ø 32	513C7M32
	70°	Hole Ø 40	513C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	513C3M20
	30°	M25	513C3M25
	30°	M32	513C3M32
	30°	M40	513C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	593C3M20
	30°	M25	593C3M25
	30°	M32	593C3M32
	30°	M40	593C3M40
	0° (Straight)	M20	593C0M20
	0° (Straight)	M25	593C0M25
	0° (Straight)	M32	593C0M32
	0° (Straight)	M40	593C0M40
	70°	M20	593C7M20
	70°	M25	593C7M25
	70°	M32	593C7M32
	70°	M40	593C7M40

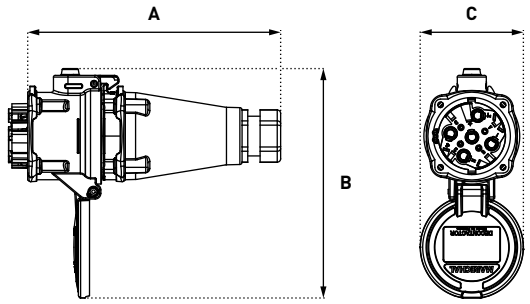
* Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE + POLY CABLE GLAND			●
	5-12 mm	513P020P	Ref. +443
	9-18 mm	513P025P	Ref. +443
	14-25 mm	513P032P	Ref. +443
	18-32 mm	513P040P	Ref. +443
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)			
	7-13 mm	593P020M	/
	8-16 mm	593P025M	/
	16-24 mm	593P032M	/
	22-32 mm	593P040M	/
POLY HANDLE (WITHOUT CABLE GLAND)			●
	M20	513P0M20	Ref. +443
	M25	513P0M25	Ref. +443
	M32	513P0M32	Ref. +443
	M40	513P0M40	Ref. +443
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)			
	M20	593P0M20	/
	M25	593P0M25	/
	M32	593P0M32	/
	M40	593P0M40	/

DRAWINGS AND DIMENSIONS

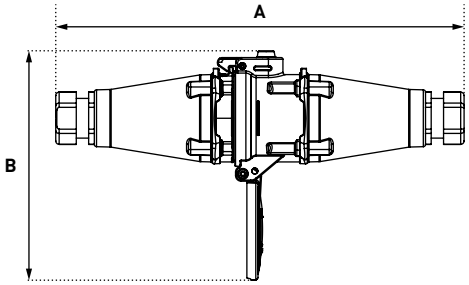
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



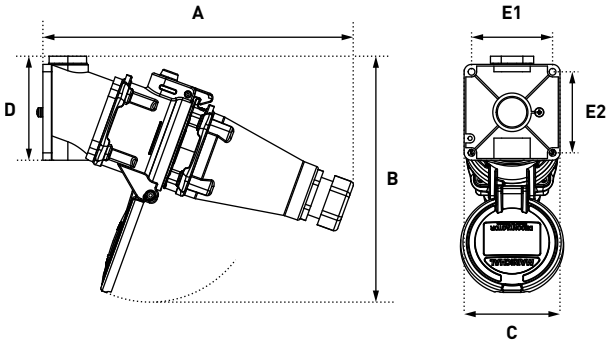
A	B	C
223	202	91

COUPLER



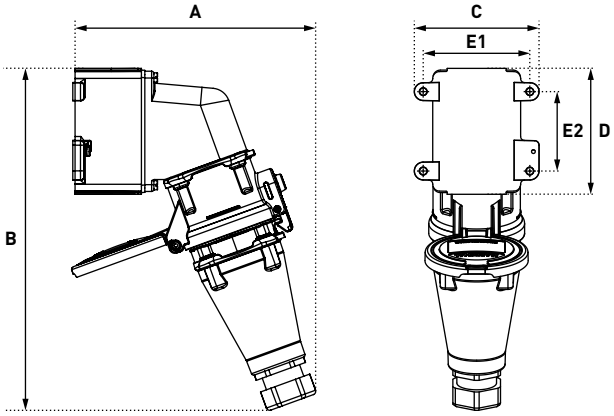
A	B
360	202

PLUG ON 20° WALL MOUNTED SOCKET-OUTLET



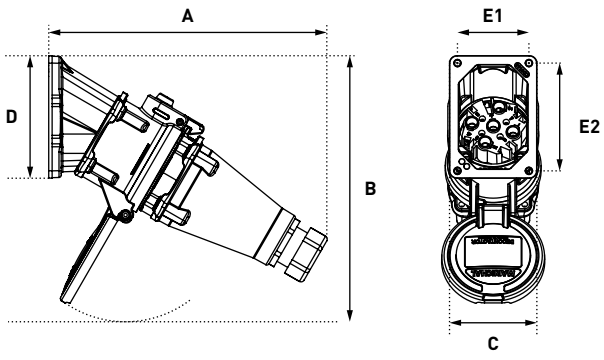
A	B	C	D	E1	E2
274	217	84,5	84,5	71	71

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



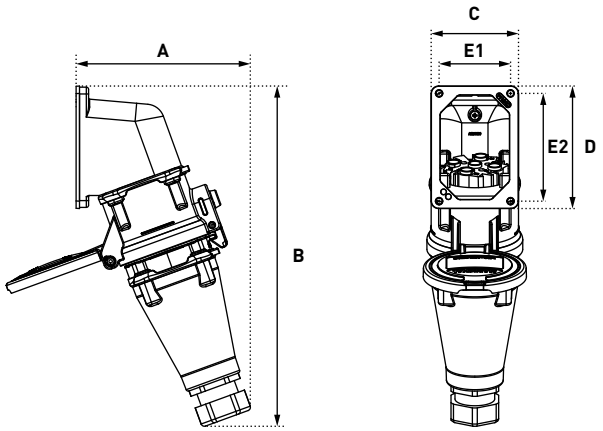
A	B	C	D	E1	E2
212	301	110	111	94	70

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
245	199	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
154	300	77	108	63	95

63-90 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS6 POLY

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO COMMAND
A pair of finger draw plates to aid closing
Reference 316A346

IP66 IP67	10-25 mm² (1) 10-35 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4	4 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring 2,2 mm².

Other cable sections: please contact us.

GRP devices are not compatible with metal devices.

For a black colour housing replace the second reference character with 5.

Dual-voltage socket-outlet (see p. 22) ▶

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(90 A/690 V) or (63 A/1 000 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	63 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	90 A/400 V
Load-break capability according to IEC/EN 60947-3/DC-21A	90 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	45 kW

SOCKET-OUTLET female
DS6

INLET male
DS6

190-250 V AC	1P+N+E	3164015	3168015
380-440 V AC	3P+E	3164013	3168013
190-250 V AC / 380-440 V AC	3P+N+E	3164017	3168017
660-690 V AC	3P+E	3164193	3168193
660-690 V AC	3P+N+E	3164197	3168197
1 000 V AC	3P+E	3164223	3168223
Auxiliaries 5 A/500 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 5 A/500 V AC	+ 4 contacts	Ref. + 264	Ref. + 264

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).
▶ Existing version for 100 A is available, order Reference +228.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	316A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	316A226
SELF-EJECTION	
	See page 208
PRODUCTS AVAILABLE IN BLACK ●	

The black dot means these products are also available in black color.
Replace the second character of the product reference with 5

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
ELASTOMER HANDLE WITH GLAND			
	14-20 mm	554P0D20L	Ref. +443
	18-25 mm	554P0D25L	Ref. +443
	25-35 mm	554P0D35L	Ref. +443
	35-45 mm	554P0D45L	Ref. +443
	45-49 mm	554P0D49L	Ref. +443
POLY HANDLE WITH GLAND			
	13-35 mm	514P0D35	/
POLY HANDLE + POLY CABLE GLAND ●			
	14-25 mm	514P032P	Ref. +443
	18-32 mm	514P040P	Ref. +443
	24-38 mm	514P050P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND) ●			
	M32	514P0M32	Ref. +443
	M40	514P0M40	Ref. +443
	M50	514P0M50	/
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)			
	M25	594P0M25	/
	M32	594P0M32	/
	M40	594P0M40	/
	M50	594P0M50	/

HANDLE	Input/Cable outer Ø	Reference
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	8-16 mm	594P025M
	16-24 mm	594P032M
	22-32 mm	594P040M
	34-44 mm	594P050M

BOXES	x°	Input	Reference
POLY BOX			●
	30°	M32	514B3M32
	30°	M40	514B3M40
METAL BOX (+ EARTHING WIRE)			
	20°	M25	594B2M25
	20°	M32	594B2M32
	20°	M40	594B2M40
POLY BOX + POLY SLEEVE			
	70°	Without hole	514C7000
	70°	Hole Ø 32	514C7M32
Earth bar ref. : 51AA089	70°	Hole Ø 40	514C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M25	514C3M25
	30°	M32	514C3M32
	30°	M40	514C3M40
	30°	M50	514C3M50
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M25	594C3M25
	30°	M32	594C3M32
	30°	M40	594C3M40
	30°	M50	594C3M50
	0° (Straight)	M25	594C0M25
	0° (Straight)	M32	594C0M32
	0° (Straight)	M40	594C0M40
	0° (Straight)	M50	594C0M50
	70°	M25	594C7M25
	70°	M32	594C7M32
	70°	M40	594C7M40
	70°	M50	594C7M50

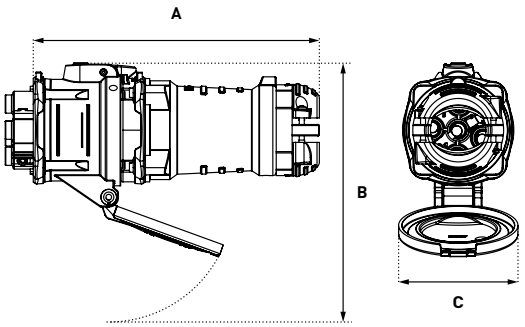
Cable glands are not delivered with the boxes.

SLEEVE	x°	Reference
POLY SLEEVE		
●	30°	514M3
	70°	514M7
METAL SLEEVE		
	0° (Straight)	594M0
	30°	594M3
	70°	594M7

DRAWINGS AND DIMENSIONS

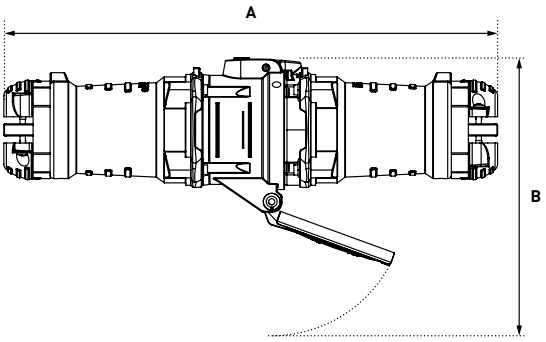
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



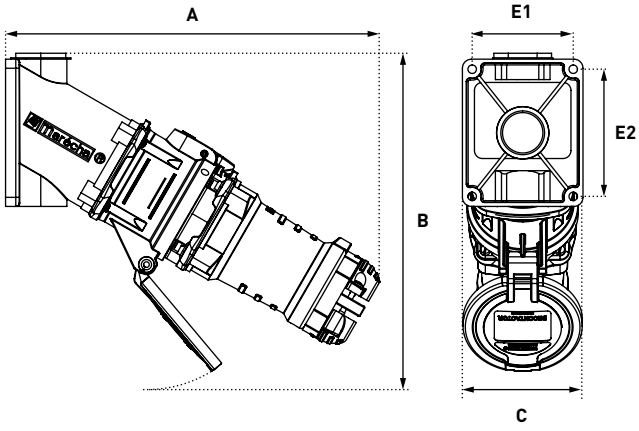
A	B	C
252	228	105

COUPLER



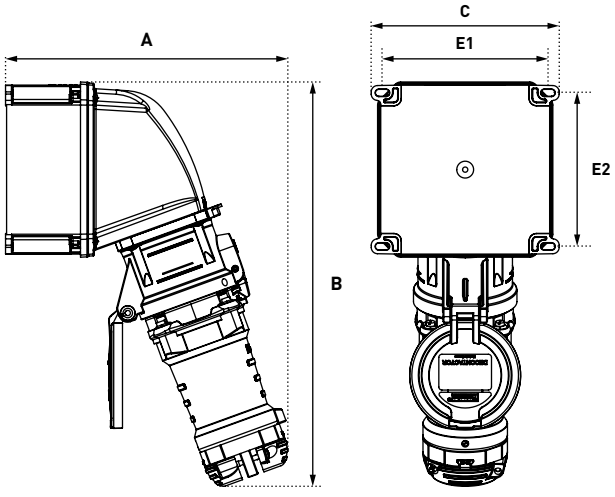
A	B
405	228

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



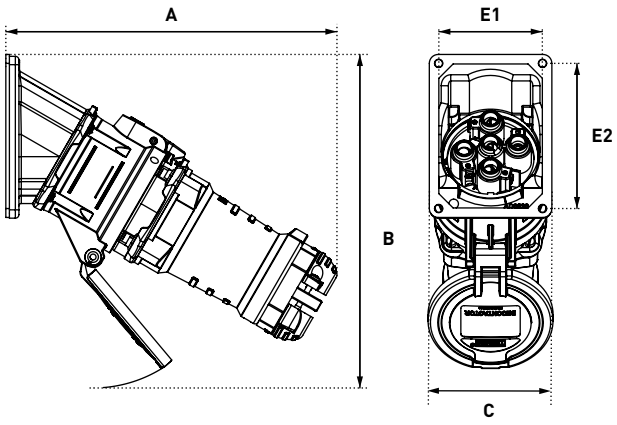
A	B	C	E1	E2
329	296	105	89	112

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



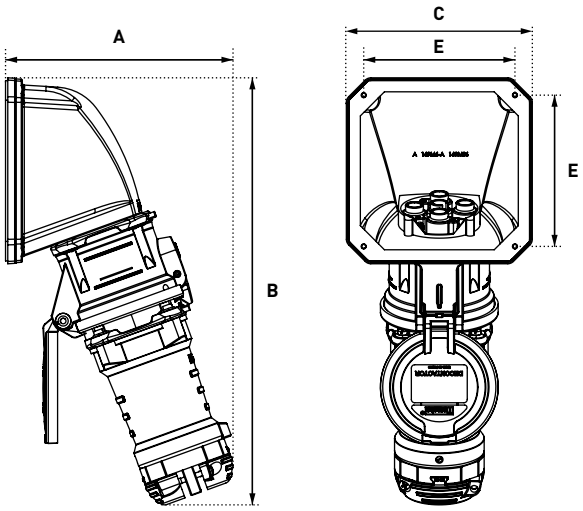
A	B	C	E1	E2
267	383	178	157	145

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
278	280	105	87	122

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E
203	381	166	135

63-90 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS6 METAL

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO COMMAND
A pair of finger draw plates to aid closing
Reference 316A346

IP66 IP67	10-25 mm² (1) 10-35 mm² (2)	METAL	IK10	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	4 AUX. (3)	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,2 mm².

Other configurations on request.

GRP devices are not compatible with metal devices.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(90 A/690 V) or (63 A/1 000 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	63 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	90 A/400 V
Load-break capability according to IEC/EN 60947-3/DC-21A	90 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	45 kW

SOCKET-OUTLET female
DS6

INLET male
DS6

190-250 V AC	1P+N+E	3964015	3968015
380-440 V AC	3P+E	3964013	3968013
190-250 V AC / 380-440 V AC	3P+N+E	3964017	3968017
660-690 V AC	3P+E	3964193	3968193
660-690 V AC	3P+N+E	3964197	3968197
1 000 V AC	3P+E	3964223	3968223
Auxiliaries 5 A/500 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 5 A/500 V AC	+ 4 contacts	Ref. + 264	Ref. + 264

Dual-voltage socket-outlet (see p. 22)

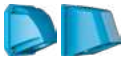
- Other currents, voltages, frequencies and contact configurations are available (see page 21).
- Existing version for 100 A is available, order Reference +228.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	316A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	396A226
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	
SELF-EJECTION	
	See page 208

BOXES	x°	Input	Reference
POLY BOX			
	30°	M32	514B3M32
	30°	M40	514B3M40
METAL BOX (+ EARTHING WIRE) ●			
	20°	M25	594B2M25
	20°	M32	594B2M32
	20°	M40	594B2M40
POLY BOX + POLY SLEEVE			
	70°	Without hole	514C7000
	70°	Ø 32 mm drill hole	514C7M32
Earth bar ref. : 51AA089	70°	Ø 40 mm drill hole	514C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M25	514C3M25
	30°	M32	514C3M32
	30°	M40	514C3M40
	30°	M50	514C3M50
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M25	594C3M25
	30°	M32	594C3M32
	30°	M40	594C3M40
	30°	M50	594C3M50
	0° (Straight)	M25	594C0M25
	0° (Straight)	M32	594C0M32
	0° (Straight)	M40	594C0M40
	0° (Straight)	M50	594C0M50
	70°	M25	594C7M25
	70°	M32	594C7M32
	70°	M40	594C7M40
	70°	M50	594C7M50

Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
ELASTOMER HANDLE WITH GLAND			
	14-20 mm	554P0D20L	Ref. +443
	18-25 mm	554P0D25L	Ref. +443
	25-35 mm	554P0D35L	Ref. +443
	35-45 mm	554P0D45L	Ref. +443
	45-49 mm	554P0D49L	Ref. +443

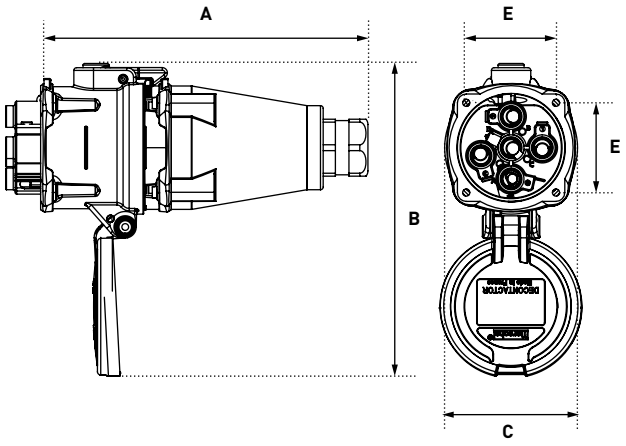
SLEEVE	x°	Reference	
		POLY	METAL ●
	0° (Straight)	/	594M0
	30°	514M3	594M3
	70°	514M7	594M7

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE WITH GLAND			
	13-35 mm	514P0D35	/
POLY HANDLE + POLY CABLE GLAND			
	14-25 mm	514P032P	Ref. +443
	18-32 mm	514P040P	Ref. +443
	24-38 mm	514P050P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND)			
	M32	514P0M32	Ref. +443
	M40	514P0M40	Ref. +443
	M50	514P0M50	/
METAL HANDLE + METAL CABLE GLAND (+ EARTHING WIRE) ●			
	8-16 mm	594P025M	/
	16-24 mm	594P032M	/
	22-32 mm	594P040M	/
	34-44 mm	594P050M	/
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●			
	M25	594P0M25	/
	M32	594P0M32	/
	M40	594P0M40	/
	M50	594P0M50	/

DRAWINGS AND DIMENSIONS

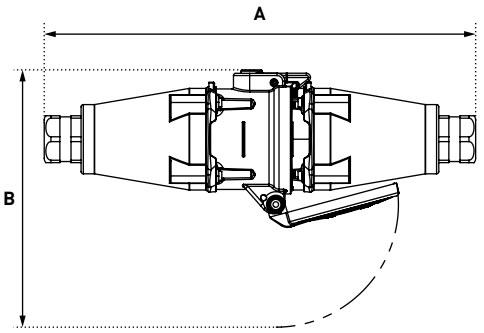
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



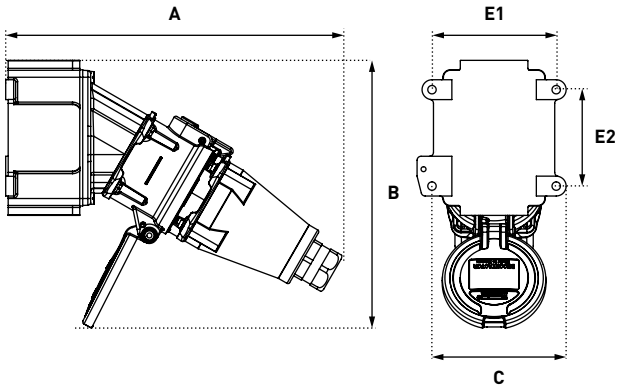
A	B	C	E
241	230	104	66

COUPLER



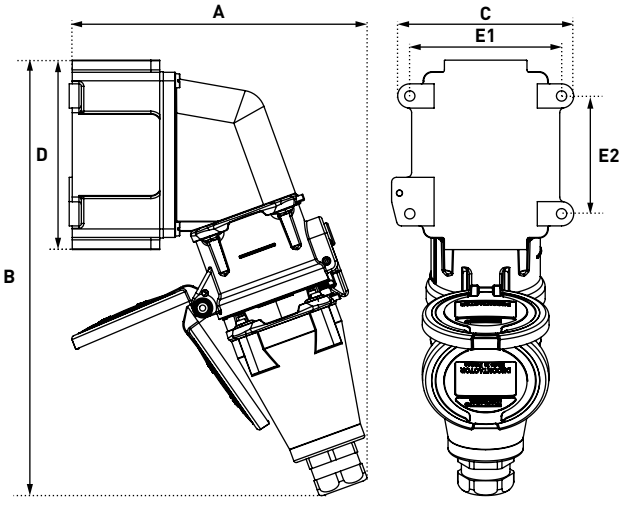
A	B
386	230

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



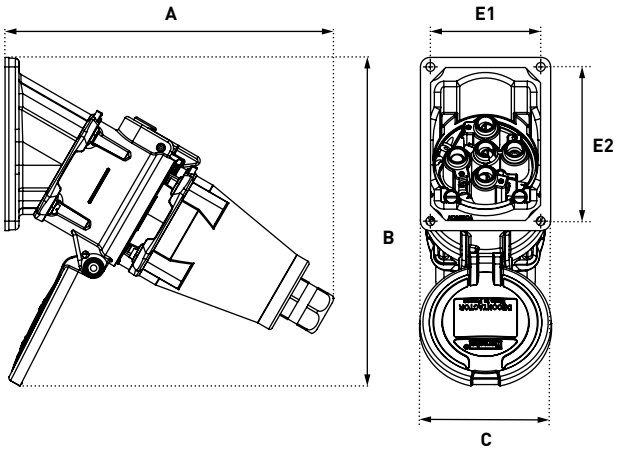
A	B	C	E1	E2
338	270	135	125	97

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



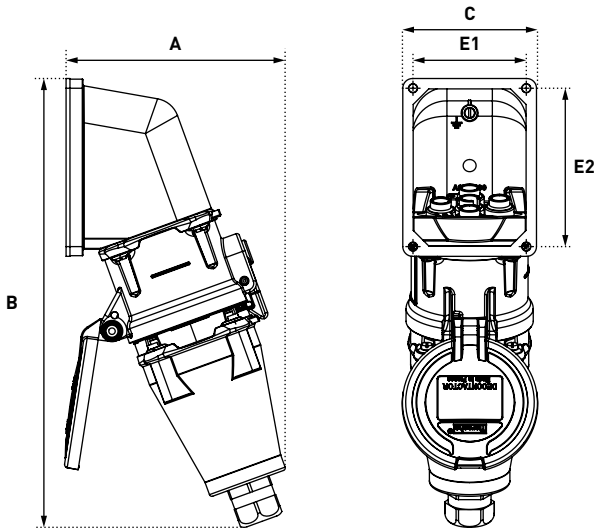
A	B	C	D	E1	E2
246	357	145	166	125	97

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
279	257	102	136	88	122

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
169	346	104	88	122

100 A

U MAX
500 V AC
750 V DC

CONNECTOR DS7C6

INSTRUCTIONS FOR USE

IP66 IP67	10-25 mm² (1) 10-35 mm² (2)	GRP METAL	IK10	-40 °C +60 °C	6 AUX.	EMC METAL

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

OTHER FEATURES	
Terminals wiring	screw-type
Stranded or flexible auxiliary wiring (min.-max.)	2 mm²

Finger drawplates included

GRP devices are not compatible with metal devices.

GRP **SOCKET-OUTLET** female **DS7C6**

INLET male **DS7C6**

100 A/max 500 V AC	6P+E	3164561	3168561
Auxiliaries 10 A/500 V AC	+ 2 contacts	Ref. + 262	Ref. + 262
Auxiliaries 10 A/500 V AC	+ 4 contacts	Ref. + 264	Ref. + 264
Auxiliaries 10 A/500 V AC	+ 6 contacts	Ref. + 976	Ref. + 976

METAL **SOCKET-OUTLET** female **DS7C6**

INLET male **DS7C6**

100 A/max 500 V AC	6P+E	3964561	3968561
Auxiliaries 10 A/500 V AC	+ 2 contacts	Ref. + 262	Ref. + 262
Auxiliaries 10 A/500 V AC	+ 4 contacts	Ref. + 264	Ref. + 264
Auxiliaries 10 A/500 V AC	+ 6 contacts	Ref. + 976	Ref. + 976

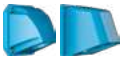
OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	316A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. poly + R
IP55 METAL LOCKABLE SELF-CLOSING LID FOR INLET	
	396A226
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	

HANDLE	Input/Cable outer Ø	Reference
ELASTOMER HANDLE WITH GLAND		
	14-20 mm	554P0D20L
	18-25 mm	554P0D25L
	25-35 mm	554P0D35L
	35-45 mm	554P0D45L
	45-49 mm	554P0D49L
POLY HANDLE WITH GLAND		
	13-35 mm	514P0D35
POLY HANDLE + POLY CABLE GLAND		
	14-25 mm	514P032P
	18-32 mm	514P040P
	24-38 mm	514P050P
POLY HANDLE (WITHOUT CABLE GLAND)		
	M32	514P0M32
	M40	514P0M40
	M50	514P0M50
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M25	594P0M25
	M32	594P0M32
	M40	594P0M40
	M50	594P0M50

HANDLE	Input/Cable outer Ø	Reference
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE) ●		
	8-16 mm	594P025M
	16-24 mm	594P032M
	22-32 mm	594P040M
	34-44 mm	594P050M

BOXES	x°	Input	Reference
POLY BOX			
	30°	M32	514B3M32
	30°	M40	514B3M40
METAL BOX (+ EARTHING WIRE) ●			
	20°	M25	594B2M25
	20°	M32	594B2M32
	20°	M40	594B2M40
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	514C7000
	70°	Ø 32 mm drill hole	514C7M32
	70°	Ø 40 mm drill hole	514C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M25	514C3M25
	30°	M32	514C3M32
	30°	M40	514C3M40
	30°	M50	514C3M50
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M25	594C3M25
	30°	M32	594C3M32
	30°	M40	594C3M40
	30°	M50	594C3M50
	0° (Straight)	M25	594C0M25
	0° (Straight)	M32	594C0M32
	0° (Straight)	M40	594C0M40
	0° (Straight)	M50	594C0M50
	70°	M25	594C7M25
	70°	M32	594C7M32
	70°	M40	594C7M40
	70°	M50	594C7M50

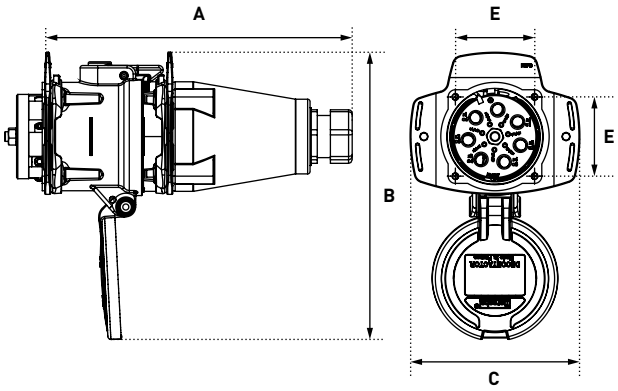
Cable glands are not delivered with the boxes.

SLEEVE	x°	Reference	
		POLY	METAL ●
	0° (Straight)	/	594M0
	30°	514M3	594M3
	70°	514M7	594M7

DRAWINGS AND DIMENSIONS

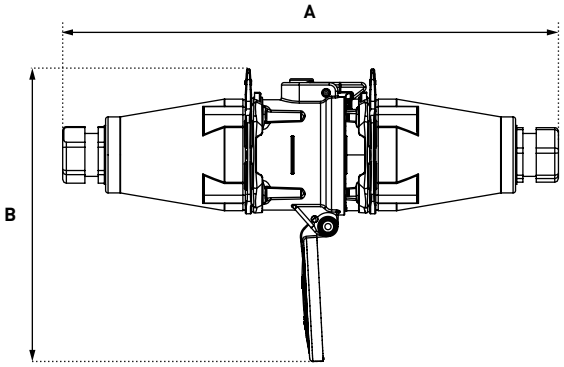
DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com

PLUG ON SOCKET-OUTLET



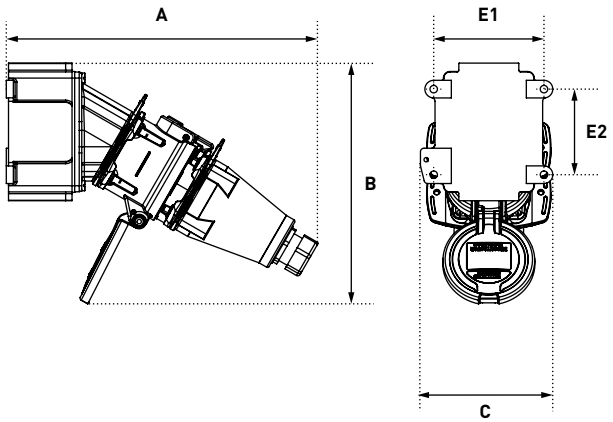
A	B	C	E
257	238	141	66

COUPLER



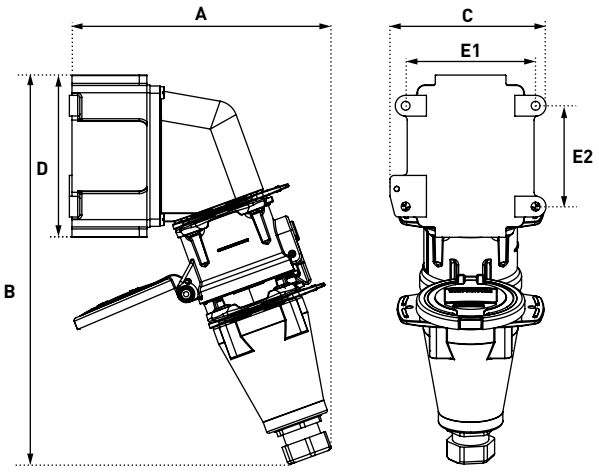
A	B
404	238

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



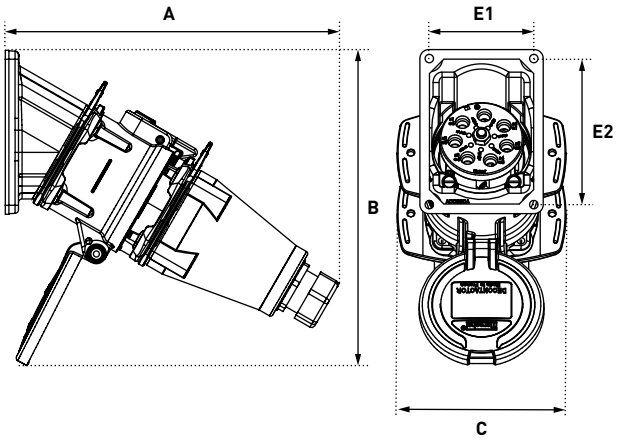
A	B	C	E1	E2
353	273	150	125	97

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



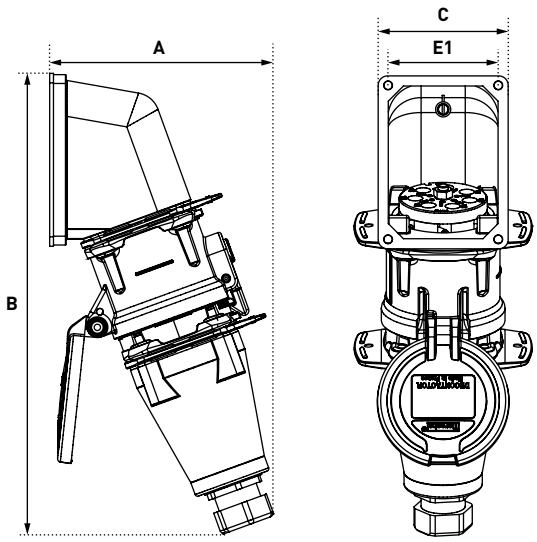
A	B	C	D	E1	E2
252	374	145	156	125	97

PLUG ON 30° INCLINED SOCKET-OUTLET

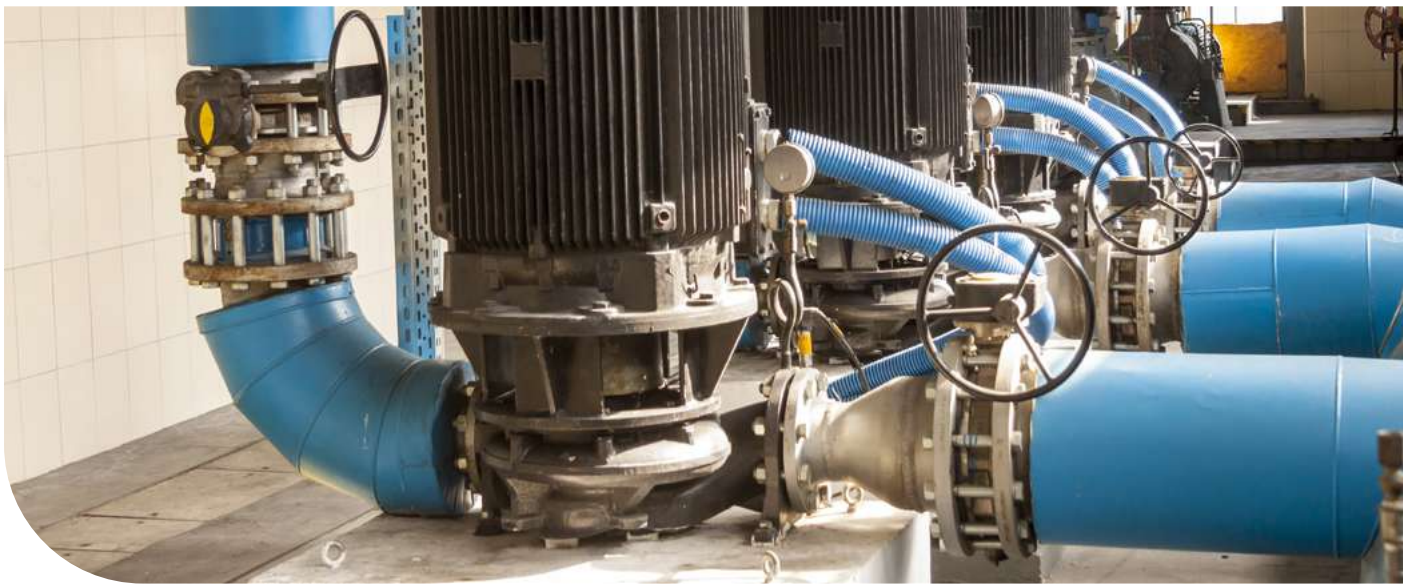


A	B	C	E1	E2
278	263	141	87	122

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
177	365	141	87	122



125 A

HIGH TEMPERATURE PLUG DSHT

U MAX
480 V AC
480 V DC

150 °C

INSTRUCTIONS FOR USE

IP44

10-35 mm² (1)
10-50 mm² (2)

METAL

IK10

2 AUX.

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

No breaking under load

Other configurations on request.

OTHER FEATURES	
Pre-cabled auxiliaries - high-temperature cable	1.5 mm²
Earthing cable section	35 mm² max.

SOCKET-OUTLET
DSHT

INLET
DSHT

190-250 V AC	1P+N+E	3964H15	3968H15
380-440 V AC	3P+E	3964H13	3968H13
190-250 V AC / 380-440 V AC	3P+N+E	3964H17	3968H17
Auxiliaries 5 A/500 V AC	+ 2 contacts	Ref. + 972	Ref. + 972

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Reference + 843

BOXES (WITHOUT CABLE GLAND)	x°	Input	Reference
METAL BOX WITHOUT CABLE GLAND (+ EARTHING WIRE + METAL SLEEVE) UP TO 16 mm² - Contact us for special cables			
	30°	M25	574C3M25185
	30°	M32	574C3M32185
	30°	M40	574C3M40185
	30°	M50	574C3M50185

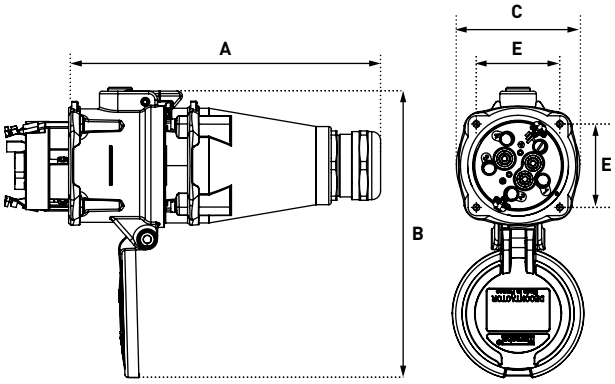
HANDLE (WITHOUT CABLE GLAND)	Input	Reference
METAL HANDLE (+ EARTHING WIRE)		
	M25	574P0M25185
	M32	574P0M32185
	M40	574P0M40185
	M50	574P0M50185

HIGH TEMPERATURE CABLE GLAND (IP2X)	Cable outer Ø	Input	Reference
	12,0 - 20,5 mm	M25	9PEM25BR
	18,0 - 27,8 mm	M32	9PEM32BR
	24,0 - 33,0 mm	M40	9PEM40BR
	33,0 - 42,0 mm	M50	9PEM50BR

DRAWINGS AND DIMENSIONS

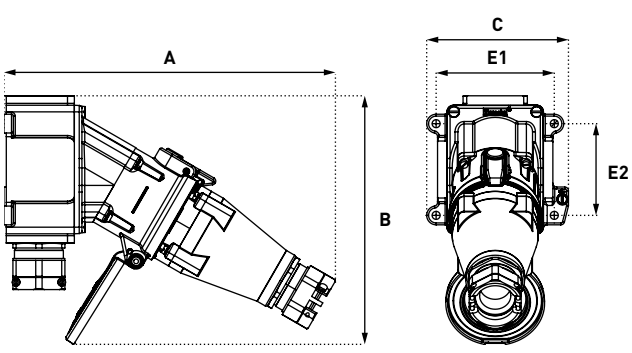
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



A	B	C	E1
248	230	105	66

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



A	B	C	E1	E2
345	308	150	125	97

125-150 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS9 POLY

INSTRUCTIONS FOR USE

IP66 IP67 IP69	25-70 mm² (1) 25-95 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	6 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,5 mm².

Other configurations on request.

GRP devices are not compatible with metal devices.

Each inlet should be connected to a wall box, a sleeve or a handle to ensure correct operation of the closing mechanism.

For a black colour housing replace the second reference character with 5.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	150 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-22A	(90 A/690 V) or (150 A/600 V)
Load-break capability according to IEC/EN 60947-3/AC-23A	100 A/440 V
Load-break capability according to IEC/EN 60947-3/DC-21A	150 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	80 kW

SOCKET-OUTLET female **DS9**

INLET male **DS9**

380-440 V AC	3P+E	3194013	3198013
190-250 V AC / 380-440 V AC	3P+N+E	3194017	3198017
660-690 V AC	3P+E	3194193	3198193
660-690 V AC	3P+N+E	3194197	3198197
1 000 V AC*	3P+E	3194223	3198223
Auxiliaries 10 A/400 V AC	+ 2 contacts	Ref. + 262	Ref. + 262
Auxiliaries 10 A/400 V AC	+ 4 contacts	Ref. + 264	Ref. + 264
Auxiliaries 10 A/400 V AC	+ 6 contacts	Ref. + 976	Ref. + 976

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

* Switch rating up to 125 A.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	319A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
PRODUCTS AVAILABLE IN BLACK	●

The black dot means these products are also available in black color.
Replace the second character of the product reference with 5

HANDLE	Input/Cable outer Ø	Reference
ELASTOMER HANDLE WITH GLAND		
	18-25 mm	555P0D25
	25-35 mm	555P0D35
	35-45 mm	555P0D45
	45-49 mm	555P0D49
POLY HANDLE + POLY CABLE GLAND		●
	14-25 mm	515P032P
	18-32 mm	515P040P
	24-38 mm	515P050P
	35-48 mm	515P063P
POLY HANDLE (WITHOUT CABLE GLAND)		●
	M50	515P0M50
	M63	515P0M63
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	16-24 mm	595P032M
	22-32 mm	595P040M
	34-44 mm	595P050M
	35-48 mm	595P063M
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M32	595P0M32
	M40	595P0M40
	M50	595P0M50
	M63	595P0M63

BOXES	X°	Input	Reference
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M32	515C3M32
	30°	M40	515C3M40
	30°	M50	515C3M50
	30°	M63	515C3M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M32	595C3M32
	30°	M40	595C3M40
	30°	M50	595C3M50
	30°	M63	595C3M63
	0° (Straight)	M32	595C0M32
	0° (Straight)	M40	595C0M40
	0° (Straight)	M50	595C0M50
	0° (Straight)	M63	595C0M63
	70°	M32	595C7M32
	70°	M40	595C7M40
	70°	M50	595C7M50
	70°	M63	595C7M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET			
	0° (Straight)	M50	595E0M50
	30°	M50	595E3M50
	30°	M63	595E3M63
	70°	M50	595E7M50
	70°	M63	595E7M63

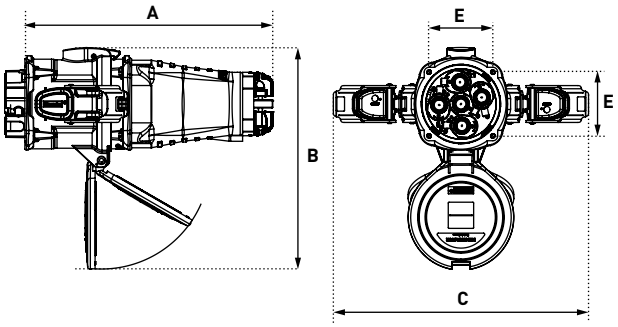
Cable glands are not delivered with the boxes.

SLEEVE	X°	Reference
POLY SLEEVE		●
	30°	515M3
METAL SLEEVE		
	0° (Straight)	595M0
	30°	595M3
	70°	595M7

DRAWINGS AND DIMENSIONS

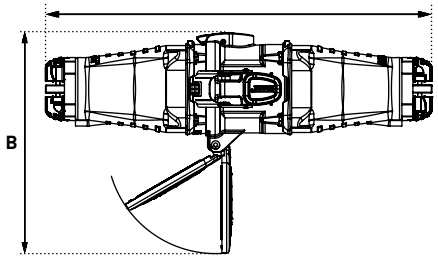
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



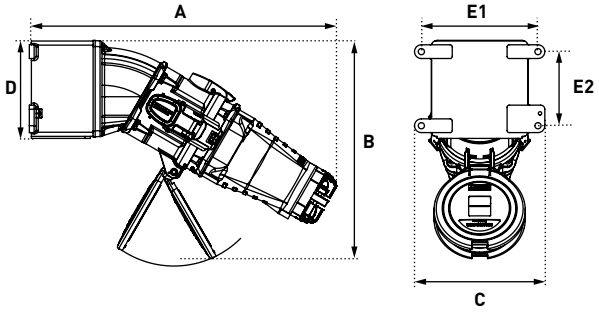
A	B	C	E
313	279	322	81

COUPLER



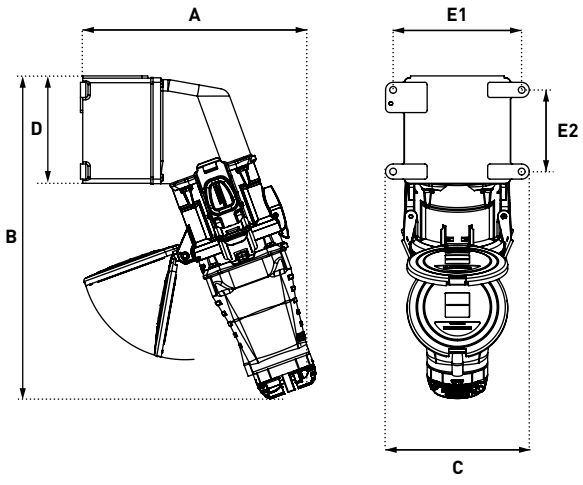
A	B
491	280

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



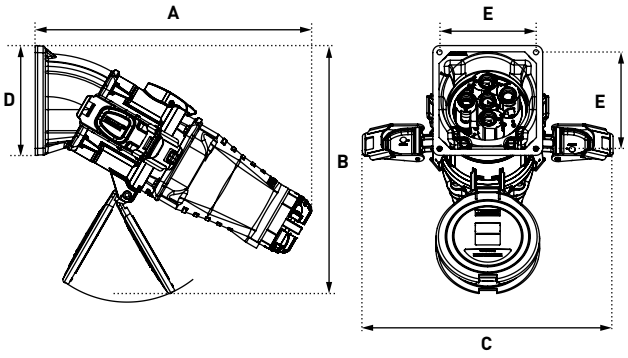
A	B	C	D	E1	E2
448	265	190	142	170	108

PLUG ON 70° WALL BOX MOUNTED SOCKET



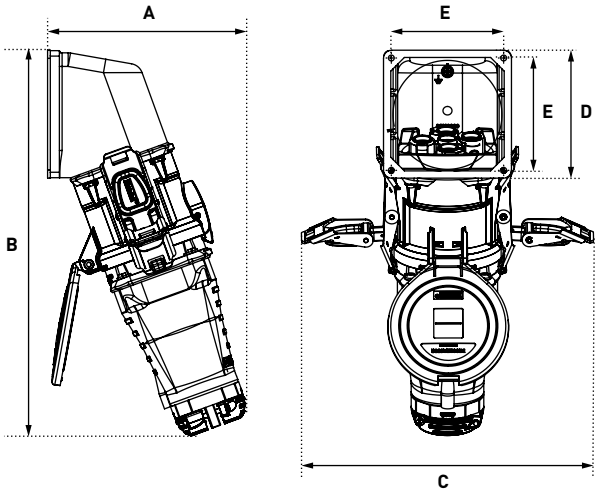
A	B	C	D	E1	E2
311	427	190	142	170	108

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E
355	329	322	141	124

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
218	425	322	140	124

125-150 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS9 METAL

INSTRUCTIONS FOR USE

IP66 IP67 IP69	25-70 mm² (1) 25-95 mm² (2)	METAL	IK10	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	6 AUX. (3)	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,5 mm².

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	150 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-22A	(90 A/690 V) or (150 A/600 V)
Load-break capability according to IEC/EN 60947-3/AC-23A	100 A/440 V
Load-break capability according to IEC/EN 60947-3/DC-21A	150 A/250 V
Short-circuit current Icc	10 kA
Power kW AC-22A/AC-23A	80 kW

Other configurations on request.

GRP devices are not compatible with metal devices.

Each inlet should be connected to a wall box, a sleeve or a handle to ensure correct operation of the closing mechanism.

SOCKET-OUTLET female
DS9

INLET male
DS9

380-440 V AC	3P+E	3994013	3998013
190-250 V AC / 380-440 V AC	3P+N+E	3994017	3998017
660-690 V AC	3P+E	3994193	3998193
660-690 V AC	3P+N+E	3994197	3998197
1 000 V AC*	3P+E	3994223	3998223
Auxiliaries 10 A/400 V AC	+ 2 contacts	Ref. + 262	Ref. + 262
Auxiliaries 10 A/400 V AC	+ 4 contacts	Ref. + 264	Ref. + 264
Auxiliaries 10 A/400 V AC	+ 6 contacts	Ref. + 976	Ref. + 976

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).
* Switch rating up to 125 A.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
ALLEN-SCREW LOCKING LATCH	
Direct latch locking, no padlocking option.	Socket-outlet ref. + 22
INLET CAP IP66/IP67	
	319A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
ELASTOMER HANDLE WITH GLAND			
	18-25 mm	555P0D25	Ref. +443
	25-35 mm	555P0D35	Ref. +443
	35-45 mm	555P0D45	Ref. +443
	45-49 mm	555P0D49	Ref. +443
POLY HANDLE + POLY CABLE GLAND			
	14-25 mm	515P032P	/
	18-32 mm	515P040P	/
	24-38 mm	515P050P	/
	35-48 mm	515P063P	Ref. +443
POLY HANDLE (WITHOUT CABLE GLAND)			
	M50	515P0M50	/
	M63	515P0M63	/
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)			
	16-24 mm	595P032M	/
	22-32 mm	595P040M	/
	34-44 mm	595P050M	/
	35-48 mm	595P063M	/
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●			
	M32	595P0M32	/
	M40	595P0M40	/
	M50	595P0M50	/
	M63	595P0M63	/

BOXES	x°	Input	Reference
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M32	515C3M32
	30°	M40	515C3M40
	30°	M50	515C3M50
	30°	M63	515C3M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M32	595C3M32
	30°	M40	595C3M40
	30°	M50	595C3M50
	30°	M63	595C3M63
	0° (Straight)	M32	595C0M32
	0° (Straight)	M40	595C0M40
	0° (Straight)	M50	595C0M50
	0° (Straight)	M63	595C0M63
	70°	M32	595C7M32
	70°	M40	595C7M40
	70°	M50	595C7M50
	70°	M63	595C7M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET ●			
	0° (Straight)	M50	595E0M50
	30°	M50	595E3M50
	30°	M63	595E3M63
	70°	M50	595E7M50
	70°	M63	595E7M63

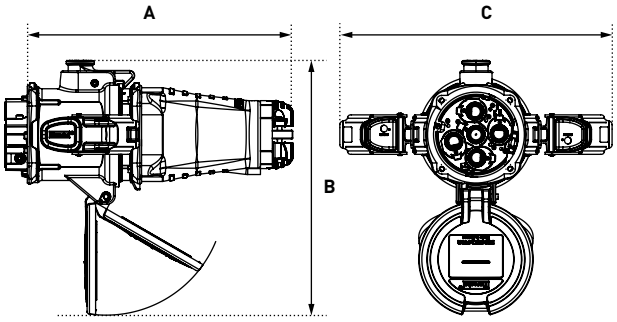
Cable glands are not delivered with the boxes.

SLEEVE	x°	Reference
POLY SLEEVE		
	30°	515M3
METAL SLEEVE ●		
	0° (Straight)	595M0
	30°	595M3
	70°	595M7

DRAWINGS AND DIMENSIONS

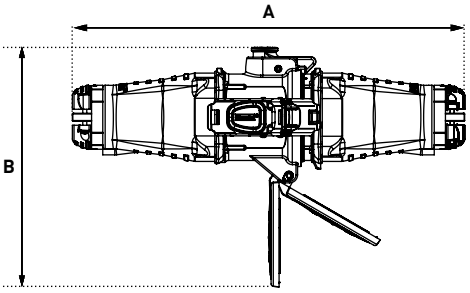
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



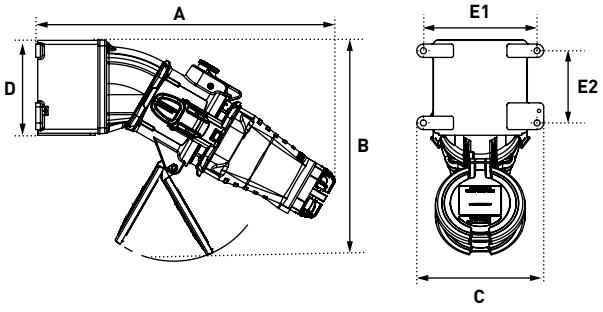
A	B	C
313	299	322

COUPLER



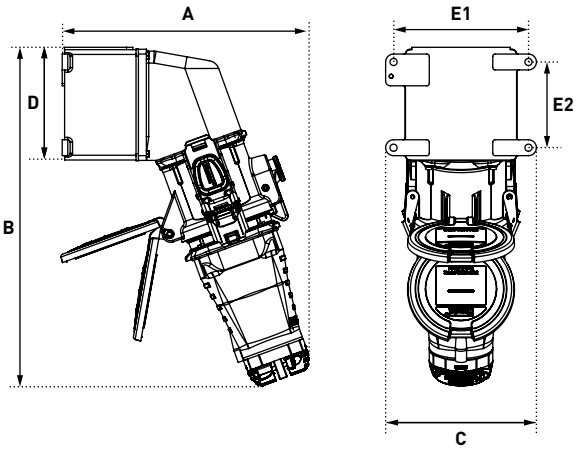
A	B
490	299

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



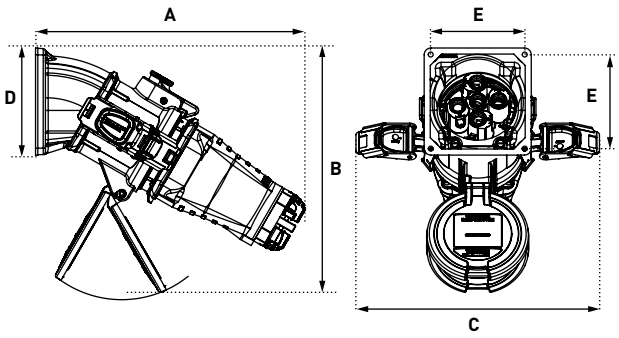
A	B	C	D	E1	E2
448	330	322	142	170	108

PLUG ON 70° WALL BOX MOUNTED SOCKET



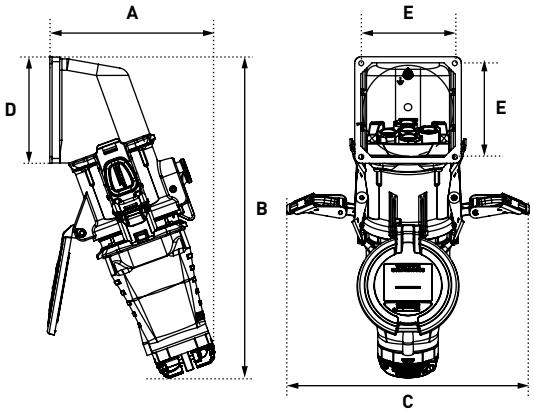
A	B	C	D	E1	E2
310	426	190	142	170	108

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E
355	331	322	141	124

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
217	424	322	141	124

200-250 A

U MAX
1000 V AC
1500 V DC

DECONTACTOR™ DS2

INSTRUCTIONS FOR USE

IP66 IP67	70-95 mm² (1) 70-120 mm² (2)	METAL	IK10	-40 °C +60 °C	AC-22A AC-23A DC-21A	60309-1 60309-4 60947-3	6 AUX. (3)	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,5 mm².

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Comply with IEC/EN 60309-1 and IEC/EN 60309-4 standards	(250 A/500 V) or (200 A/690 V)
Load-break capability according to IEC/EN 60947-3/AC-22A	(250 A/400 V) or (125 A/690 V)
Load-break capability according to IEC/EN 60947-3/AC-23A	160 A/440 V
Load-break capability according to IEC/EN 60947-3/DC-21A	200 A/250 V
Short-circuit current Icc	10 kA

Other configurations on request.

SOCKET-OUTLET female **DS2**

INLET male **DS2**

Each inlet should be connected to a wall box, a sleeve, a handle or a spacer to ensure correct operation of the closing mechanism.

380-440 V AC	3P+E	3924013	3928013
190-250 V AC / 380-440 V AC	3P+N+E	3924017	3928017
660-690 V AC	3P+E	3924193	3928193
660-690 V AC	3P+N+E	3924197	3928197
1 000 V AC**	3P+E	3924223	3928223
Auxiliaries 5 A/400 V AC	+ 2 contacts	Ref. + 972	Ref. + 972
Auxiliaries 5 A/400 V AC	+ 4 contacts*	Ref. + 174	Ref. + 174
Auxiliaries 5 A/400 V AC	+ 6 contacts*	Ref. + 976	Ref. + 976

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

* These versions cannot be ordered with neutral.
** Switch rating up to 150 A.

OPTIONS	Cable section	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)		
		Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS		
		399A541
ALLEN-SCREW LOCKING LATCH		
Direct latch locking, no padlocking option.		Socket-outlet ref. + 22
INLET CAP IP66/IP67		
		392A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69		
		Socket-outlet ref. + R
ELECTROMAGNETIC COMPATIBILITY (EMC) ●		
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.		
CABLE AMPLIFIER LUGS		
	Flexible 120 mm² Stranded 150 mm²	392A277150
	Flexible 150 mm² Stranded 185 mm²	392A277185
INCOMPATIBILITY ●		
	Those products marked with a red dot are incompatible with for use with amplifier ends.	
SPACERS (BETWEEN THE WALL BOX OR PANEL)		
	Depth 68 mm	5K7M0-68
	Depth 115 mm	5K7M0-115
PADLOCKING/ELECTRO-MECHANICAL INTERLOCKING		
	Socket-outlet reference + MIL Check out the details on page 345	

SLEEVE	x°	Reference
METAL SLEEVE ●		
	0° (Straight)	596M0
●	60°	596M6
	60°	597M6

BOXES	x°	Input	Reference
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET ●●			
	60°	M50	596E6M50
	60°	M63	596E6M63
	60°	M75	596E6M75
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET ●			
	60°	M63	597E6M63
	60°	M75	597E6M75

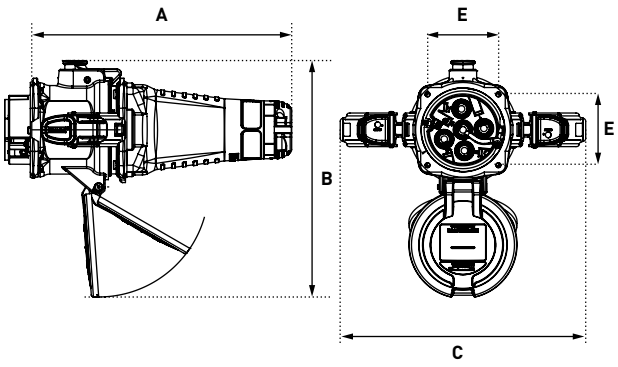
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference
ELASTOMER HANDLE WITH GLAND		
	25-35 mm	556P0D35
	35-45 mm	556P0D45
	45-49 mm	556P0D49
POLY HANDLE + POLY CABLE GLAND		
	35-48 mm	516P063P
POLY HANDLE (WITHOUT CABLE GLAND)		
	M63	516P0M63
	M75	516P0M75
LARGE CAPACITY METAL HANDLE WITH INTEGRATED CABLE CLAMP		
	40-50 mm	5K6P0D50
	51-60 mm	5K6P0D60
	61-70 mm	5K6P0D70
	71-80 mm	5K6P0D80
	81-90 mm	5K6P0D90
COMPACT METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●●		
	M50	596P0M50
	M63	596P0M63
	M75	596P0M75
LARGE CAPACITY METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M40	5K6P0M40L
	M50	5K6P0M50L
	M63	5K6P0M63L
	M75	5K6P0M75L

DRAWINGS AND DIMENSIONS

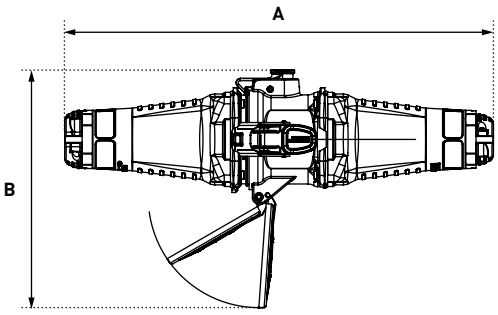
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



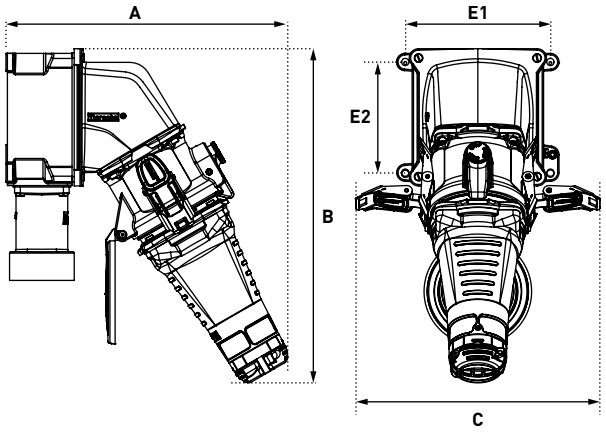
A	B	C	E
362	327	340	98

COUPLER



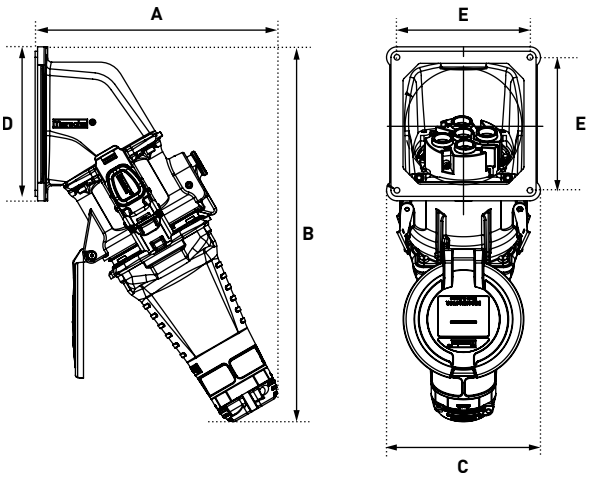
A	B
590	327

PLUG ON 60° WALL BOX MOUNTED SOCKET-OUTLET



A	B	C	E1	E2
392	465	340	202	154

PLUG ON 60° INCLINED SOCKET-OUTLET



A	B	C	D	E
300	465	191	191	165

THERE ARE JOURNEYS

BEYOND CONNECTIONS

Socket outlets for industrial uses, compact and waterproof with integrated switch.

DECONTACTOR™ cover the full range of industrial electrical connection requirements.

Wide choice of options and mounting possibilities available.

MARECHAL ELECTRIC

BEYOND CONNECTIONS

350 A

U MAX
1000 V AC
1500 V DC

INDUSTRIAL SOCKET-OUTLET DS2

INSTRUCTIONS FOR USE

IP66
IP67

95 mm² (1)
95-120 mm² (2)

METAL

IK10

-40 °C
+60 °C

2 PIL.

EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Padlocking system is standard.

OTHER FEATURES	
Pilot wiring	2,5 mm²

See our cable AMPLIFIER lugs for sections bigger than 95 mm² (flexible) or 120 mm² (stranded).

SOCKET-OUTLET female
DS2

INLET male
DS2

Each socket-outlet and each inlet should be connected to a wall box, a sleeve, a handle or a spacer to ensure correct operation of the closing mechanism.

190-250 V AC	380-440 V AC	3P+N+E+2 pilots	3924017240	3928017240
660-690 V AC		3P+N+E+2 pilots	3924197240	3928197240

▶ Other currents, voltages, frequencies are available (see page 21).

OPTIONS	Cable section	Reference
SAFETY HASP FOR UP TO 6 PADLOCKS		
		399A541
ALLEN-SCREW LOCKING LATCH		
Direct latch locking, no padlocking option.		Socket-outlet ref. + 22
INLET CAP IP66/IP67		
		392A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69		
		Socket-outlet ref. + R
ELECTROMAGNETIC COMPATIBILITY (EMC) ●		
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.		
CABLE AMPLIFIER LUGS		
	Flexible 120 mm² Stranded 150 mm²	392A277150
	Flexible 150 mm² Stranded 185 mm²	392A277185
SPACERS (BETWEEN THE WALL BOX OR PANEL)		
	Depth 68 mm	5K7M0-68
	Depth 115 mm	5K7M0-115
PADLOCKING/ELECTRO-MECHANICAL INTERLOCKING		
		Socket-outlet reference + MIL Check out the details on page 345

SLEEVE	x°	Reference
METAL SLEEVE ●		
	60°	597M6

HANDLE	Cable outer Ø (min./max.)	Reference
LARGE CAPACITY METAL HANDLE WITH INTEGRATED CABLE CLAMP		
	40-50 mm	5K6P0D50
	51-60 mm	5K6P0D60
	61-70 mm	5K6P0D70
	71-80 mm	5K6P0D80
	81-90 mm	5K6P0D90
LARGE CAPACITY METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M40	5K6P0M40L
	M50	5K6P0M50L
	M63	5K6P0M63L
	M75	5K6P0M75L

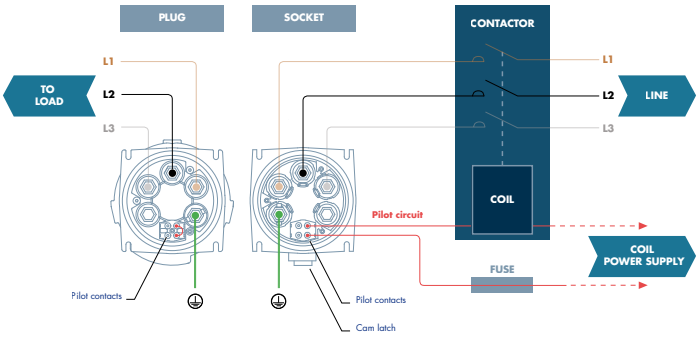
BOXES	x°	Cable outer Ø	Reference
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET ●			
	60°	M63	597E6M63
	60°	M75	597E6M75
STAINLESS STEEL (+ EARTHING WIRE) + METAL SLEEVE + METAL CABLE GLAND (+ EARTHING WIRE)			
	70°	35-46 mm	577C763M
	70°	48-65 mm	577C775M

ELECTRICAL INTERLOCKING

At this level of power, it is not possible to break directly under load. Electrical interlocking with a switch or a pilot controlled contactor is required. Boxes with the following equipment are available upon request:

- circuit breaker or differential switch,
- contactor,
- fuses,
- loop-out enclosures,
- terminals for single pole cables...

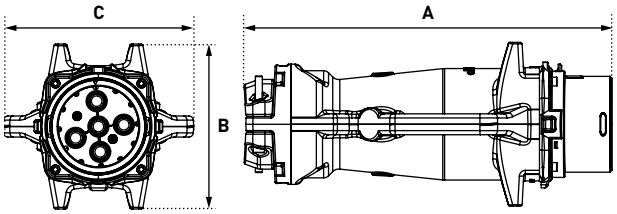
Typical wiring diagram of the DS2 control circuit



DRAWINGS AND DIMENSIONS

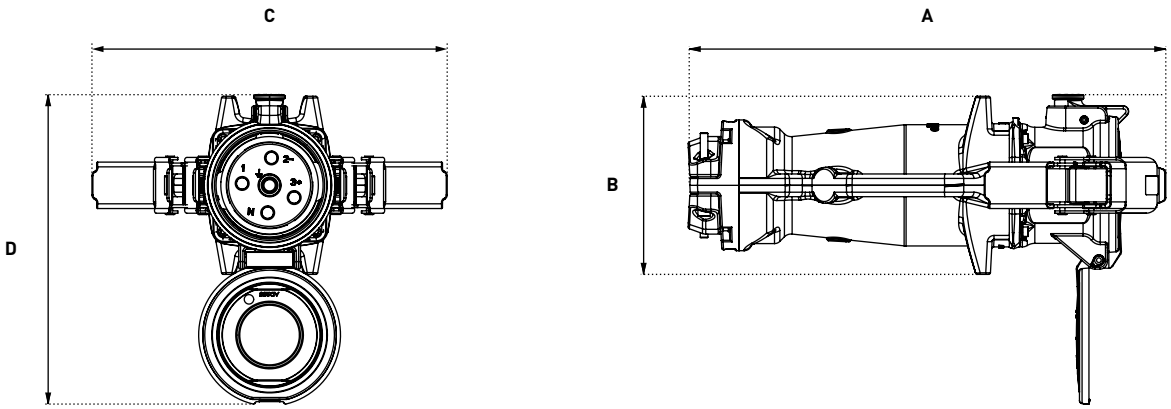
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

INLET



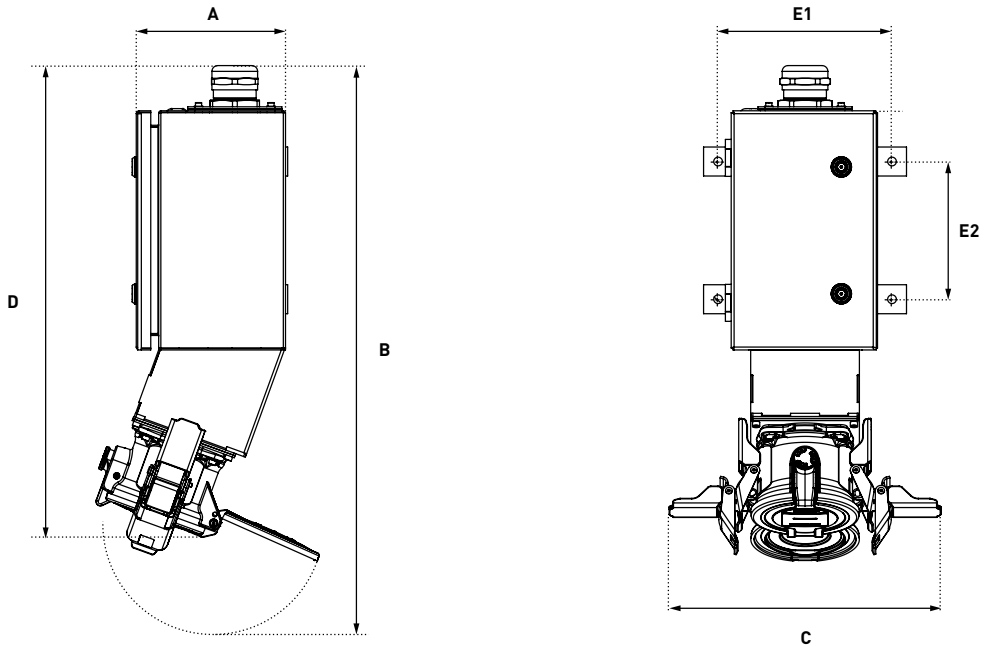
A	B	C
420	188	217

COUPLER SOCKET



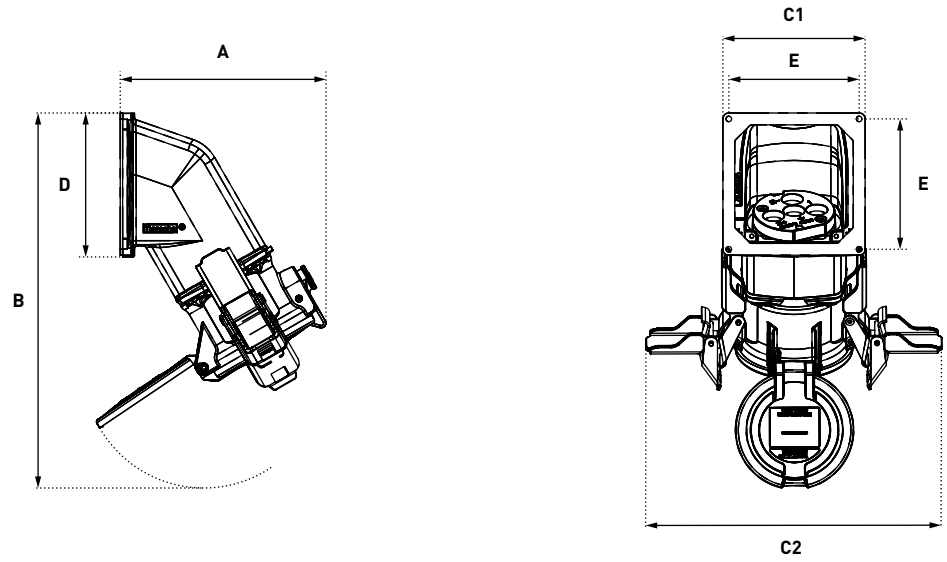
A	B	C	D
503	188	375	327

WALL BOX MOUNTED SOCKET-OUTLET 70°



A	B	C	D	E1	E2
206	784	375	651	240	190

PANEL MOUNTED SOCKET-OUTLET 60°



A	B	C1	C2	D	E
255	474	180	375	180	165

400 A

INDUSTRIAL SOCKET-OUTLET DS4

U MAX
1000 V AC
1500 V DC

INSTRUCTIONS FOR USE

IP66 IP67	95-150 mm² (1) 95-185 mm² (2)	METAL	IK10	-40 °C +60 °C	2 PIL. + 2 AUX.	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Other cable sections: please contact us.

Each socket-outlet and each inlet should be connected to a wall box, a sleeve, a handle or a spacer to ensure correct operation of the closing mechanism.

Compatible with previous version using kit 394A396

OTHER FEATURES	
Mechanical interlock	standard
Inlet closing device in stainless steel	standard
Pilot contacts 5 A/400 V AC for electrical interlock	2 in standard
Auxiliaries pilot 5 A/400 V AC	2
Auxiliaries wiring	2,5 mm²

SOCKET-OUTLET female
DS4

INLET male
DS4

380-440 V AC	3P+E+ 2 pilots	3944013	3948013
660-690 V AC	3P+E+ 2 pilots	3944193	3948193
1 000 V AC	3P+E+ 2 pilots	3944223	3948223
Auxiliaries 5 A/400 V AC	+ 2 contacts	Ref. + 174	Ref. + 174

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Cable section	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)		
		Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS		
		399A541
INLET CAP IP66/IP67		
		392A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69		
		Socket-outlet ref. + R
ELECTROMAGNETIC COMPATIBILITY (EMC) ●		
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.		
CABLE AMPLIFIER LUGS		
	Flexible 185 mm² Stranded 240 mm²	394A277-240
	Flexible 240 mm² Stranded 300 mm²	394A277-300
SPACERS (BETWEEN THE WALL BOX OR PANEL)		
	Depth 68 mm	5K7M0-68
	Depth 115 mm	5K7M0-115
PADLOCKING/ELECTRO-MECHANICAL INTERLOCKING		
		Socket-outlet reference + MIL Check out the details on page 345

HANDLE	Cable outer Ø (min./max.)	Reference
LARGE CAPACITY METAL HANDLE WITH INTEGRATED CABLE CLAMP		
	40-50 mm	5K6P0D50
	51-60 mm	5K6P0D60
	61-70 mm	5K6P0D70
	71-80 mm	5K6P0D80
	81-90 mm	5K6P0D90
LARGE CAPACITY METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M40	5K6P0M40L
	M50	5K6P0M50L
	M63	5K6P0M63L
	M75	5K6P0M75L

BOXES	X°	Cable outer Ø	Reference
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET (1) ●			
	60°	M63	597E6M63
	60°	M75	597E6M75
STAINLESS STEEL (+ EARTHING WIRE) + METAL SLEEVE + METAL CABLE GLAND (+ EARTHING WIRE)			
	70°	35-46 mm	577C763M
	70°	48-65 mm	577C775M

SLEEVE	X°	Reference
METAL SLEEVE (1) ●		
	60°	597M6

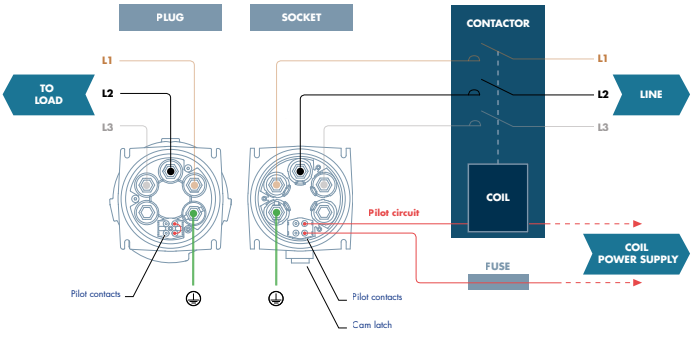
(1) For use with amplifier tips, it is necessary to use a spacer of 68 mm minimum.

ELECTRICAL INTERLOCKING

With such a current, disconnection under load is just not possible. Electrical interlocking with a switch or a pilot controlled contactor is required.
Note that we may customize the wall box with the following functions or devices:

- circuit breaker or differential switch,
- contactor,
- fuses,
- loop-in/loop-out configuration,
- Terminals fitted for single-pole cable use...

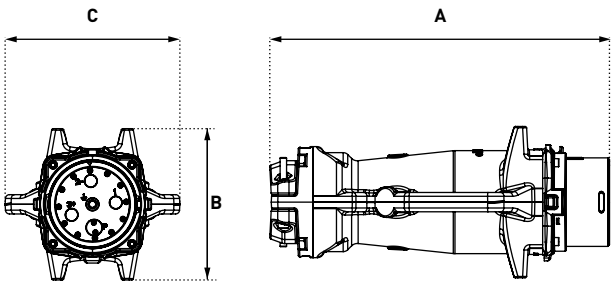
Typical wiring diagram of the DS4 control circuit



DRAWINGS AND DIMENSIONS

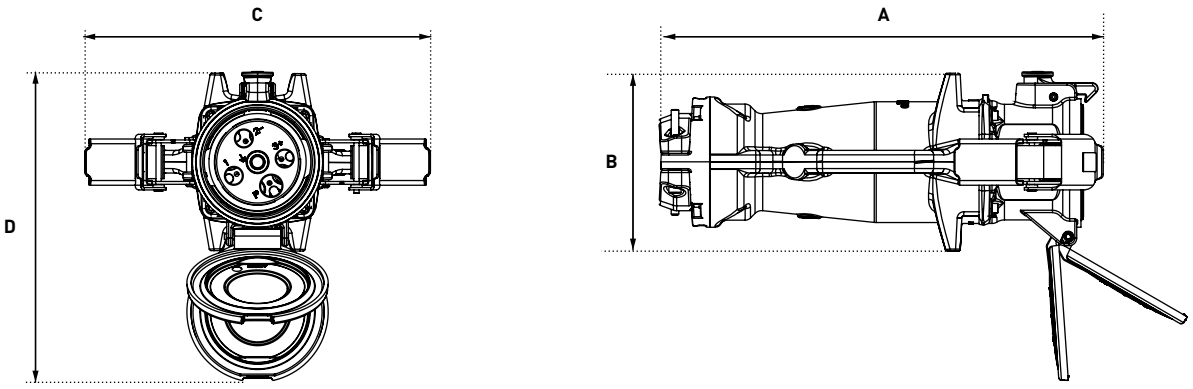
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

INLET



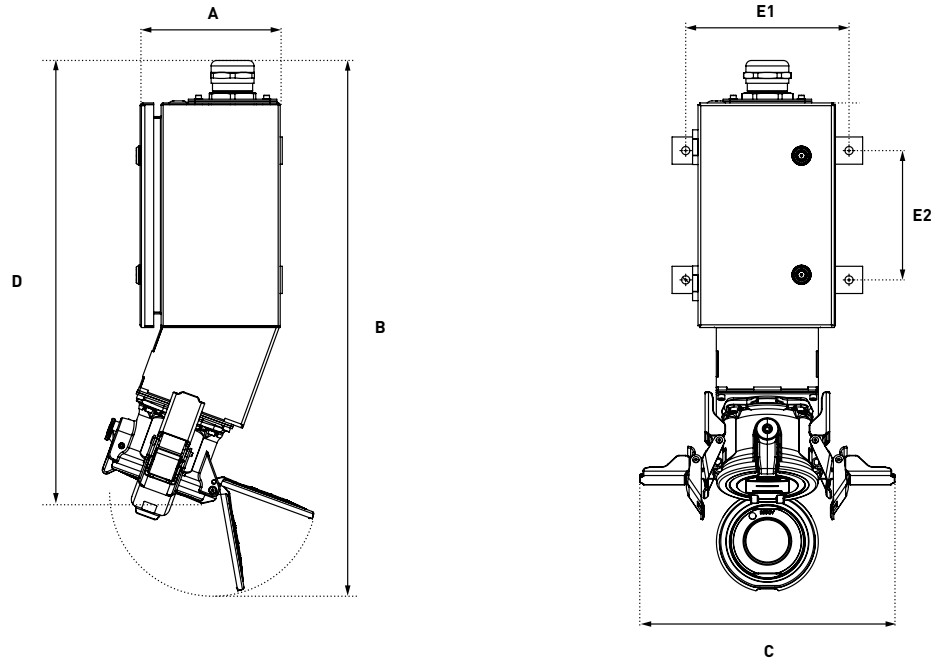
A	B	C
420	188	217

COUPLER SOCKET



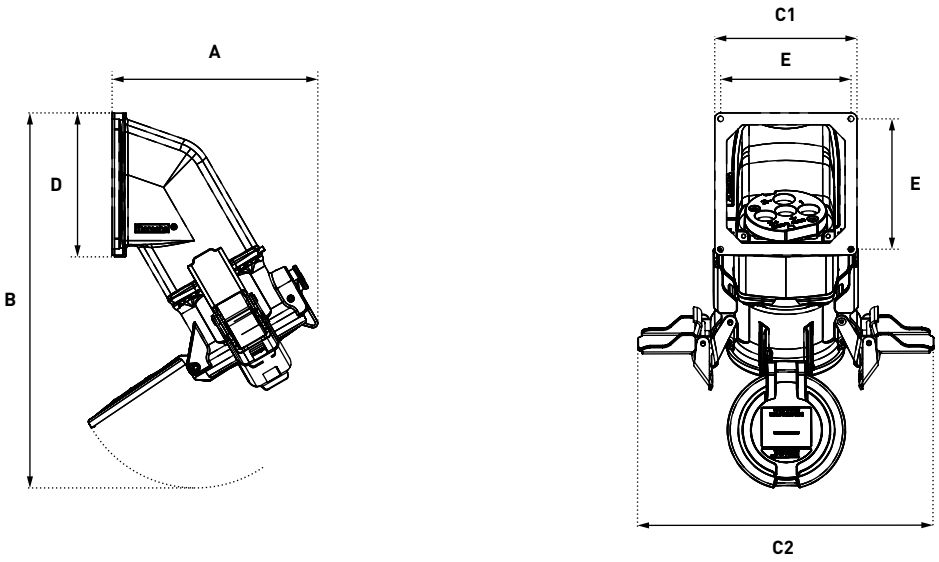
A	B	C	D
473	188	375	327

WALL BOX MOUNTED SOCKET-OUTLET 70°



A	B	C	D	E1	E2
206	784	375	651	240	190

PANEL MOUNTED SOCKET-OUTLET 60°



A	B	C1	C2	D	E
255	474	180	375	180	165

400 A

DSP400 SINGLE POLE CONNECTOR

Up to 400 A/500 V

IP66/IP67

Temperature rating
-40 °C to +60 °C

DSP400

- are single pole connectors which are safe, reliable and provide a high level of performance for all permanent high current applications. They withstand frequent overloads up to 400 A.
- Are robust connectors with outstanding durability.
- Are fitted with two pilot contacts for electrical interlocking.

DSP400 SINGLE POLE CONNECTORS COMPLY WITH:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

THE HIGHEST POSSIBLE SAFETY

- IP4X/IPXXD (1 mm thread) socket to prevent any hazardous contact.
- Automatic IP66/IP67 watertightness.
- Two pilot contacts for electrical interlocking with an appropriate contactor.

AN EASILY OPERABLE CONNECTOR

- Mechanical fool-proofing system between phases, neutral and earth.
- Visual identification by standard colours.
- Connection with terminal or threaded crimping lugs.

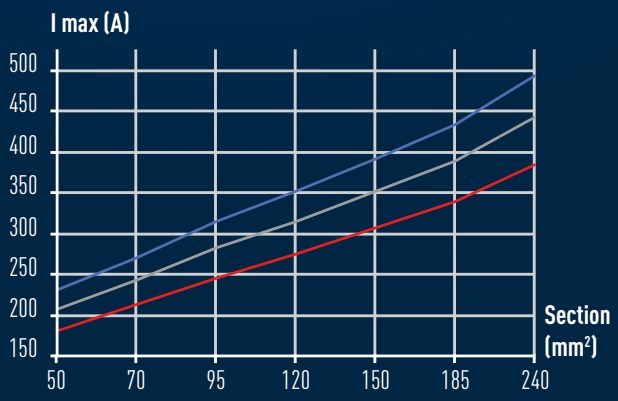
PERFORMANCES

- Thanks to the butt-contact technology, DSP400 withstands permanent current up to 400 A with 500 V AC (200 kW) or 750 V DC (300 kW).

DSP400 CHARACTERISATION

Permanent and non-intermittent on-load current permitted for a new DSP400, wired with an appropriate H 07 RN-F cable, and at a defined maximal ambient temperature.

— Tamb maxi : 60°C.
— Tamb maxi : 45°C.
— Tamb maxi : 30°C.



BEYOND CONNECTIONS

Safe, reliable, high performance 400 A single pole connectors for high power applications with a high capacity to absorb frequent overcurrents up to 10*In.

MARECHAL ELECTRIC

BEYOND CONNECTIONS

400 A

U MAX
500 V AC
750 V DC

SINGLE POLE POWER CONNECTOR DSP400

GRP OR METAL

INSTRUCTIONS FOR USE

IN-LINE CONNECTIONS TO COMMAND
A pair of finger draw plates to aid closing
Reference 316A346

IP66 IP67	50 - 240 mm² (1) 70 - 300 mm² (2)	GRP METAL	▶ IK09 ▶ IK10	-40 °C +60 °C	+2 PIL.	EMC METAL

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
300 mm² = 600 MCM.

GRP devices are not compatible with metal devices.

OTHER FEATURES	
Pre-wired pilot circuit (4 mm²)	10 A/400 V
Live part protection	IP4X
Keying positions	7, mechanical and visual

REFERENCES (UP TO 500 V AC)

	COLOR coding	**SOCKET-OUTLET** metal **DSP400 WITHOUT LUG**	**CONNECTOR** metal **DSP400 WITHOUT LUG**	**SOCKET-OUTLET** GRP **DSP400 WITHOUT LUG**	**CONNECTOR** GRP **DSP400 WITHOUT LUG**
Type	**Europe***				
L1	Brown	3964001	3968001	3164001	3168001
L2	Black	3964002	3968002	3164002	3168002
L3	Grey	3964003	3968003	3164003	3168003
Neutral	Blue	396400N	396800N	316400N	316800N
Earth	Green	396400T	396800T	316400T	316800T
Positive	Red	396400P	396800P	316400P	316800P
Negative	Black	396400M	396800M	316400M	316800M
For products above 500 V (up to 1000 V)		contact us	contact us	contact us	contact us

* The indicated references are valid for Europe and Japan. For other countries: add the suffix P80 for the USA/P67 for Australia and New Zealand/P40 for UK and South-Africa.

COPPER LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm²)	Straight with hole	Straight threaded M12	Internal diameter (mm)	External diameter (mm)*	Crimping die
	Reference	Reference			
70	454A50C	454A50D	11	15	HCU/70
95	454A70C	454A70D	13,1	18	HCU/95
120	454A95C	454A95D	14,5	19	HCU/120
150	454A12C	454A12D	16,2	21	HCU/150
185	454A15C	454A15D	18	24	HCU/185
240	454A18C	454A18D	20.6	26	HCU/240
300	454A24C	454A24D	23.1	29	HCU/300

For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: double hexagonal crimping is recommended.
*Choose the crimping tool according to the external diameter of your lug.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
INLET CAP IP66/IP67	
	316A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. poly + R
ELECTROMAGNETIC COMPATIBILITY (EMC)	●
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	
SPACER	
Depth 20 mm	594M0-20

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE + POLY CABLE GLAND (1)		
	14-25 mm	514P032P
	18-32 mm	514P040P
	24-38 mm	514P050P
POLY HANDLE (WITHOUT CABLE GLAND) (1)		
	M32	514P0M32
	M40	514P0M40
	M50	514P0M50
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) (2)		●
	M25	594P0M25
	M32	594P0M32
	M40	594P0M40
	M50	594P0M50

(1) Compatible for use with M12 straight threaded lugs up to reference 454A12D.
(2) Compatible for use with M12 straight threaded lugs. From reference 454A18D, a 20 mm spacer should be used.

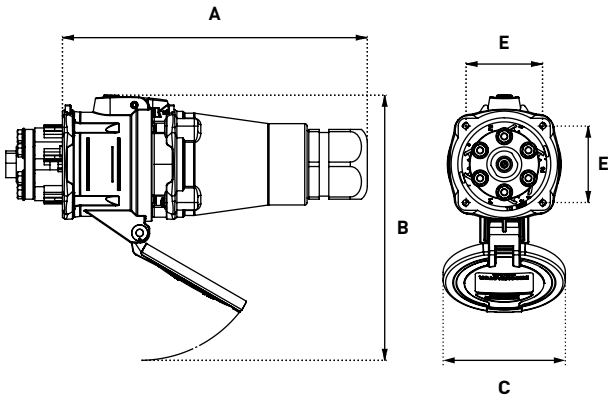
SLEEVE	X°	Reference
POLY SLEEVE		
	30°	514M3 (3)
	70°	514M7 (4)
METAL SLEEVE		●
	0° (Straight)	594M0 (5)
	30°	594M3 (3)
	70°	594M7 (4)

(3) Compatible for use with all M12 straight threaded lugs.
(4) Compatible for use with all terminal lugs.
(5) Compatible for use with all lugs.

DRAWINGS AND DIMENSIONS

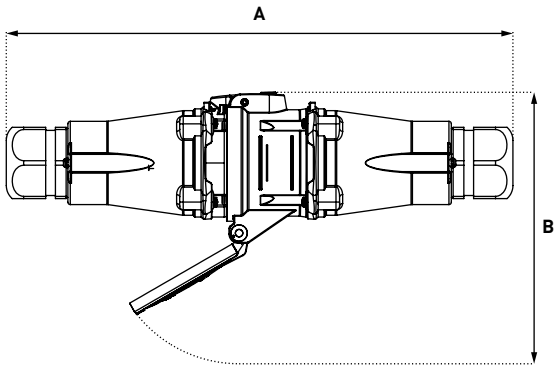
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



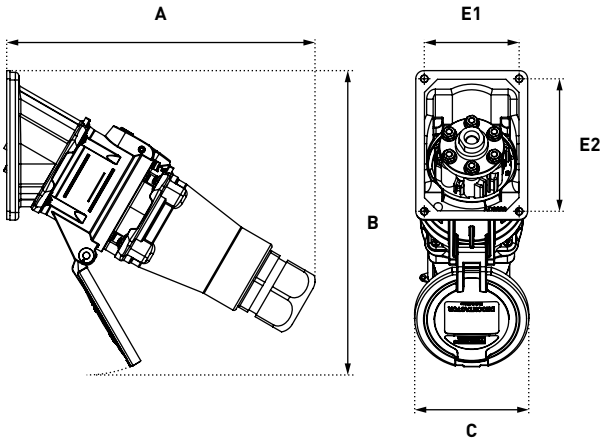
A	B	C	E
262	228	105	65

COUPLER



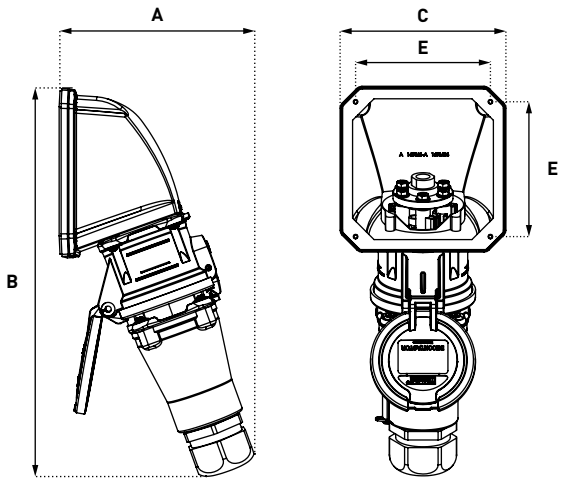
A	B
426	228

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
284	280	105	87	122

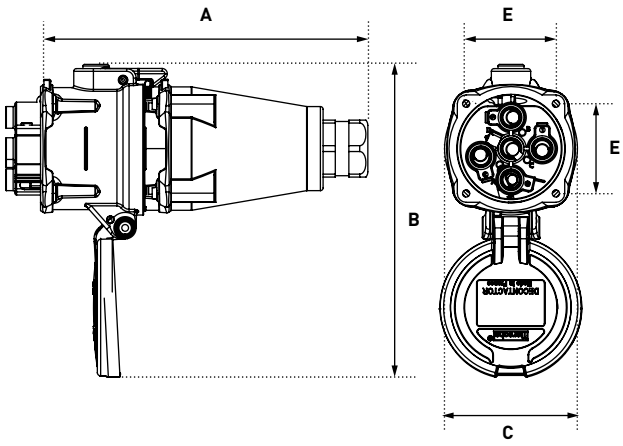
PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E
171	341	166	135

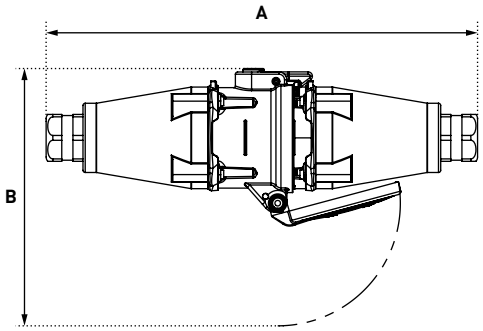
DRAWINGS AND DIMENSIONS

PLUG ON SOCKET-OUTLET



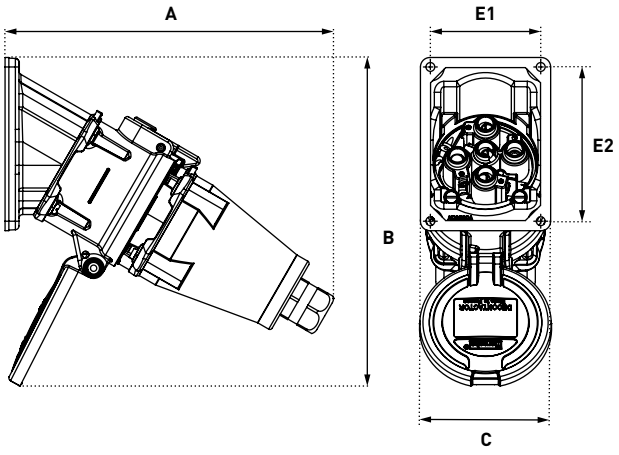
A	B	C	E
241	230	104	66

COUPLER



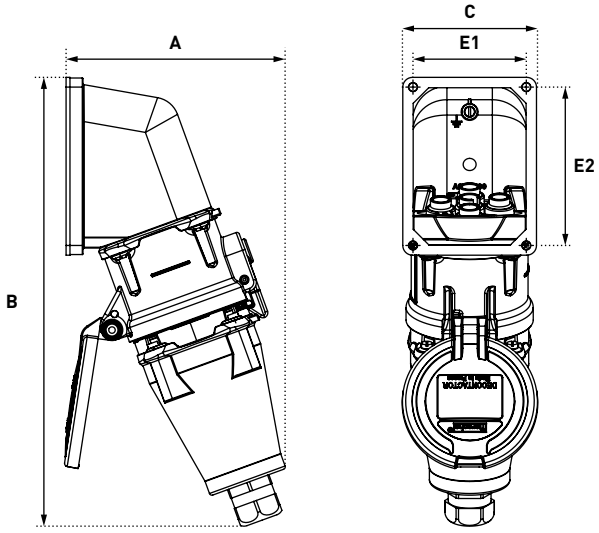
A	B
386	230

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
279	257	102	136	88	122

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	E1	E2
169	346	104	88	122

CS1000

- Are single pole connectors which are safe, reliable and provide a high level of performance for all high current applications. They withstand frequent overloads up to 5000 A that depend on operating cycle.
- Are robust connectors with outstanding durability.

CS1000 CONNECTORS COMPLY WITH:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

USA and North America

Canada

Russia and Eurasia

500 A

CS1000 SINGLE POLE CONNECTOR

Up to 500 A/1 000 V

IP66/IP67

Temperature rating -40 °C to +60 °C

Mechanical padlocking ring

PERFECT SAFETY

- Socket-outlet: IP2X finger protection, without cap,
- IP66/IP67 watertightness with cap ; or upon connection,
- Locking mechanism preventing disconnection by accident.

EASY CONNECTION

- Mechanical fool-proofing system between phases, neutral and earth,
- Standardised colour coding (according to local regulation),
- Replacable crimping lug in case of cable damage.

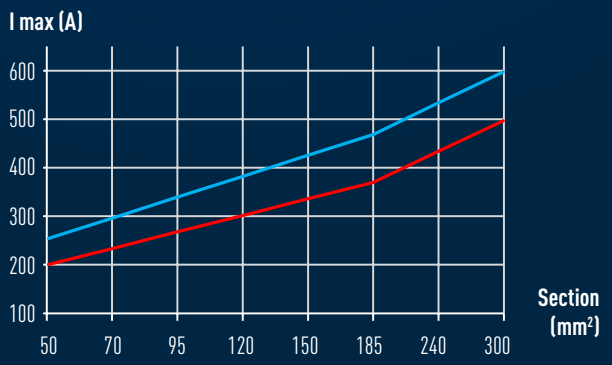
HIGH PERFORMANCE

- Thanks to its silver butt-contact technology the CS1000 connector withstands permanent current of 500 A/1000 V AC (500 kW) or 1500 V DC (750 kW).

CS1000 CHARACTERISATION

Permanent and non-intermittent on-load current permitted for a new CS1000, wired with an appropriate H 07 RN-F cable, and at a defined maximal ambient temperature.

— Tamb maxi : 60°C.
— Tamb maxi : 30°C.

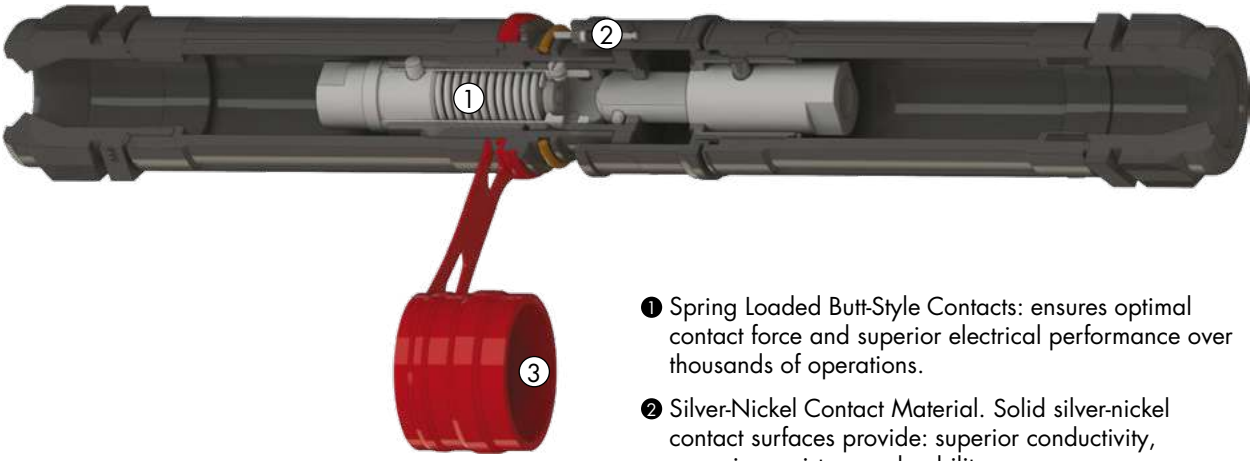


❶ IP66/IP67 seal ring.

❷ Safety shutter (IP2X protection).

❸ Bayonet operation.

❹ Mechanical keying position (Neutral here).



❶ Spring Loaded Butt-Style Contacts: ensures optimal contact force and superior electrical performance over thousands of operations.

❷ Silver-Nickel Contact Material. Solid silver-nickel contact surfaces provide: superior conductivity, corrosion resistance, durability.

❸ Protective Cap. Ensures IP66/IP67 watertightness when disconnected.

5 MECHANICAL KEYING POSITIONS (EUROPEAN COLOR CODING)

Earth	L1	L2/Negative	L3/Positive	Neutral

500 A

U MAX
1000 V AC
1500 V DC

SINGLE POLE POWER CONNECTOR CS1000

INSTRUCTIONS FOR USE

IP66 IP67	50-300 mm² (1) 70-400 mm² (2)	GRP	IK08	-40 °C +60 °C

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

OTHER FEATURES	
Icc : rated conditional short circuit current (kA)	20 kA during 250 ms
Number of operations	2000
Keying positions	5, mechanical and visual

COLOR coding

SOCKET-OUTLET female **CS1000** **WITHOUT LUG**

INLET male **CS1000** **WITHOUT LUG**

Type	Europe*	Reference	Reference
L1	Brown	4534001	4538001
L2	Black	4534002	4538002
L3	Grey	4534003	4538003
Neutral	Blue	453400N	453800N
Earth	Green	453400T	453800T
Positive	Red	453400P	453800P
Negative	Black	453400M	453800M

* The indicated references are valid for Europe and Japan. for UK, South-Africa and India : add the suffix P40.
Color coding is as follows: L1 => Red/L2 => Yellow/L3 => Blue/Neutral => Black/Earth => Green/Positive => Red/Negative => Black.

Type	COLOR coding Australia and New Zealand	USA	SOCKET-OUTLET female CS1000 WITHOUT LUG Reference Australia and New Zealand	Reference USA	INLET male CS1000 WITHOUT LUG Reference Australia and New Zealand	Reference USA
L1	Red	Black	4534001P67	4534001P80	4538001P67	4538001P80
L2	White	Red	4534002P67	4534002P80	4538002P67	4538002P80
L3	Blue	Blue	4534003P67	4534003P80	4538003P67	4538003P80
Neutral	Black	White	453400NP67	453400NP80	453800NP67	453800NP80
Earth	Green	Green	453400TP67	453400TP80	453800TP67	453800TP80
Positive	Red	Red	453400PP67	453400PP80	453800PP67	453800PP80
Negative	Black	Black	453400MP67	453400MP80	453800MP67	453800MP80

COPPER LUGS

Lug choice depends on the cable: the cross-section of the cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm²)	Straight with hole Reference	Straight threaded M12 Reference	Internal diameter copper lugs (mm)	External diameter copper lugs (mm)*	Crimping die
70	454A50C	454A50D	11	15	HCU/70
95	454A70C	454A70D	13,1	18	HCU/95
120	454A95C	454A95D	14,5	19	HCU/120
150	454A12C	454A12D	16,2	21	HCU/150
185	454A15C	454A15D	18	24	HCU/185
240	454A18C	454A18D	20,6	26	HCU/240
300	454A24C	454A24D	23,1	29	HCU/300
400	454A30C	454A30D	26,1	32	HCU/400

For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: Double hexagonal crimping is recommended.
*Choose the crimping tool according to the external diameter of your lug.

OPTIONS		Reference
PADLOCKING RING		
	Flat key lock for Ø 4 to 8 mm padlocks (padlock not supplied)	453A843
INLET CAP IP66/IP67		
		453A126
PANEL MOUNTING PLATE		
	This plate is recommended for panel or switchboard mounting.	453A540
M12 CONNECTION PIECE*		
		474A277

*Wiring with straight cable lugs with terminals.

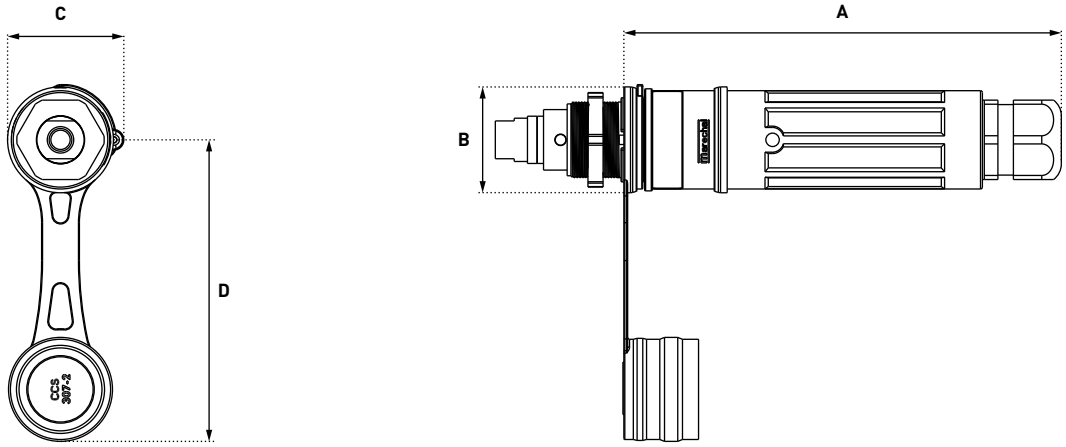
SLEEVE		Reference
SLEEVE INCLINED 30° OR 90°		
	The inclined sleeve is recommended to reduce cable weight effect.	**30°** 453A027
	The 90° sleeve can only be used with straight terminal lugs.	**90°** 453A097

HANDLE	Input/Cable outer Ø	Reference
HANDLE STRAIGHT		
	13-35 mm	453A013
HANDLE + MANDATORY ADAPTATION PLATE		
Designed for lugs with part numbers starting from 454A24D.		
	454A753 (M50/17-38 mm)	453A457-SP
	454A783 (M63/35-43 mm)	453A457-SP

DRAWINGS AND DIMENSIONS

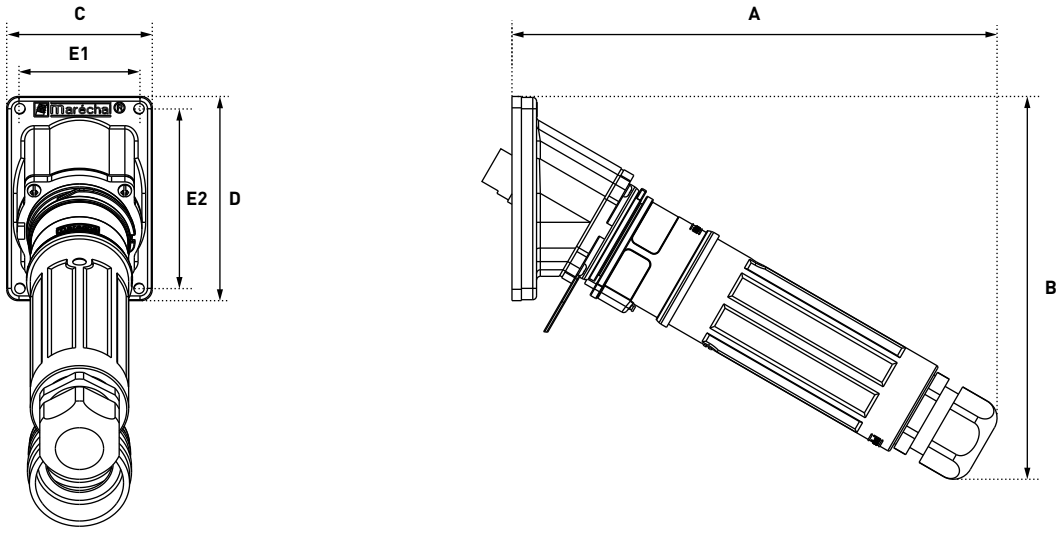
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



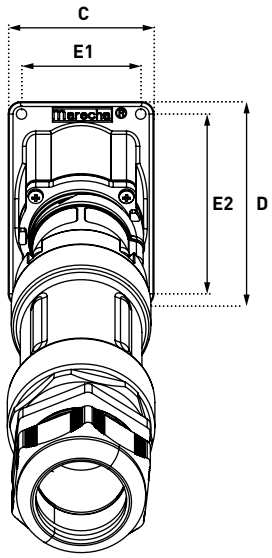
A	B	C	D
231	56	56	160

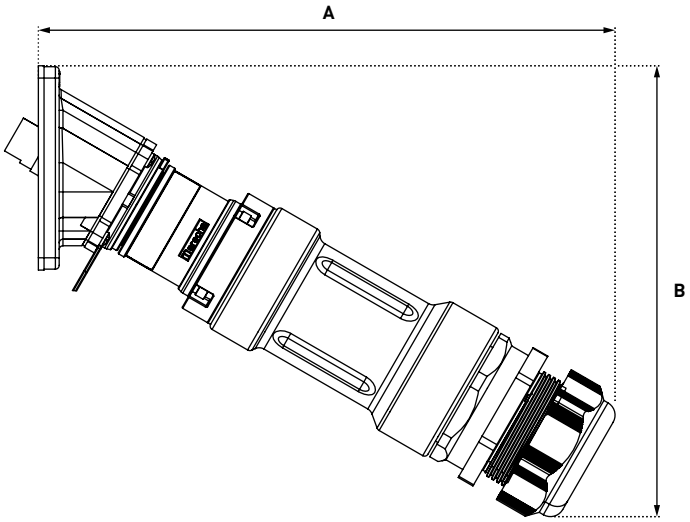
PLUG ON 30° INCLINED SOCKET-OUTLET
VERSION WITH HANDLE REF. 453A783 & 453A753

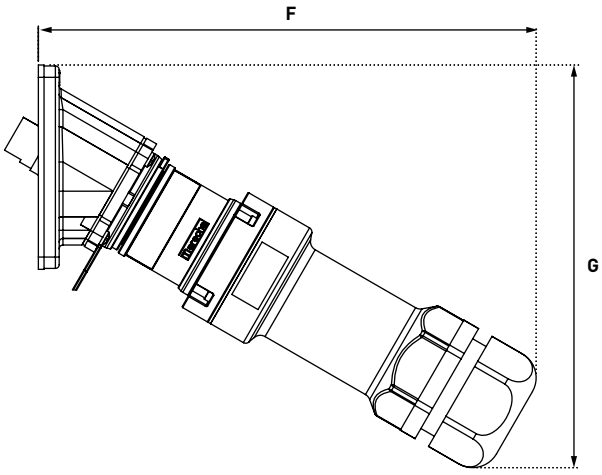


A	B	C	D	E1	E2
257	202	77	108	64	95

PLUG ON 30° INCLINED SOCKET-OUTLET
VERSION WITH HANDLE REF. 454A783 + 453A457-SP (A, B) & 453A753 + 453A457-SP (F, G)



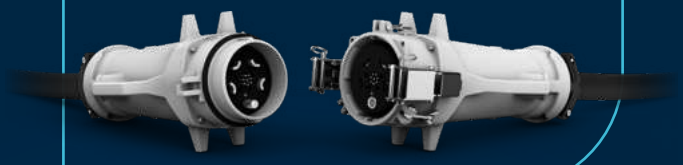




A	B	C	D	E1	E2	F	G
305	238	77	108	63	95	263	213

660 A

HIGH-VOLTAGE PLUG & SOCKET-OUTLET



P66

is a robust and reliable heavy duty plug and socket-outlet for high power applications.

P66 COMPLIES WITH THE FOLLOWING REGULATIONS AND STANDARDS:

European Low Voltage and RoHS Directives (CE marking), European REACH Regulation.

SAFETY AND RELIABILITY

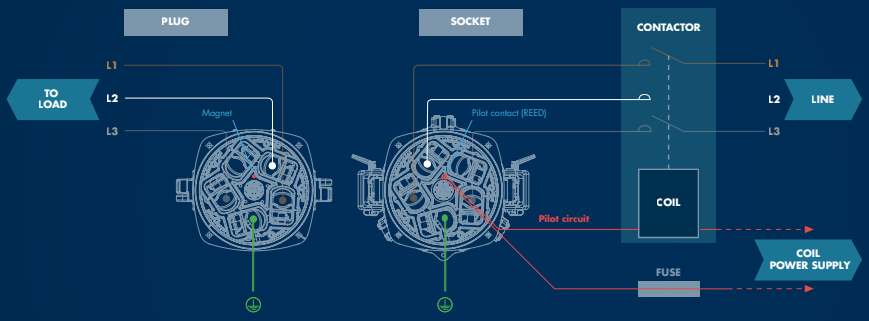
Commitment to achieving a goal of zero accidents.

- At this power level, it is not possible to connect or disconnect on load.
- A pilot contact ensures electrical interlocking via a switch or contactor.
- On request, we can supply enclosures fitted with circuit breakers, contactors, busbars, etc.
- 8 auxiliary contacts rated are housed in the centre of the socket and inlet, each marked with an identification sticker for use with sensors or indicator lights on controlled equipment, depending on the installation needs and choices.

Up to 660 A
1.1 kV AC/1.5 kV DC
With pilot circuit

- Power contacts
- Auxiliary contacts
- Pilot contact

Typical wiring diagram of the P66 control circuit



DURABILITY AND EFFICIENCY

P66 is designed to withstand vibration, shock, and ingress protection constraints for the most demanding industries.

- P66 offers up to 2,000 operations.
- The housing of the socket and inlet is made of copper-free aluminium.
- All accessories are made of AISI 316L stainless steel for maximum corrosion protection.
- The power contacts contacts ensure excellent electrical conductivity (and can withstand overloads up to 10 times the nominal current for short periods).
- An elastomer plug cap is supplied with the inlet.
- A lockable metal lid is supplied with the socket-outlet.
- The availability of spare parts allows for regular maintenance of your power sockets and extends their lifespan.
- P66 can be used in all environments with ambient temperature resistance from -40 °C to +60 °C.

FLEXIBILITY AND SUITABILITY TO INSTALLATION AND SITE USE REQUIREMENTS.

Compact, robust, and easy to wire, P66 ensures optimal safety and mobility.

IT CAN BE INSTALLED ON ALL ELECTRICAL NETWORKS.

- Up to 660 A, 500 Hz, and 1.1 kV AC/1.5 kV DC,
- 10 coding positions offering combinations of different voltages, frequencies, and polarities.

WIRING TERMINALS

Direct wiring

Direct connection (screw terminals) for cross-sections from 95 mm² to 400 mm².

- Time-saving.
- Eliminates the need for terminal screw re-tightening. maintenance.

Wiring with crimping lugs

Connection with terminals for straight crimping lugs with holes cable for cross-sections from 95 mm² to 300 mm².

- Optimal space-saving once the device is connected.
- Eliminates constraints related to cable bending radii.

Examples of installations

SOCKET-OUTLET (FEMALE)		INLET (MALE)	
Direct wiring	**Straight coupler socket**	**Straight plug**	Direct wiring
Wiring with crimping lugs	**Box mounting socket-outlet**	**Angled plug**	Wiring with crimping lugs

CONNECTION AND DISCONNECTION

An easy closing mechanism mates the plug to the receptacle with relative ease.
To accommodate all installation configurations, these levers can be mounted on the socket or on the inlet (dedicated references).

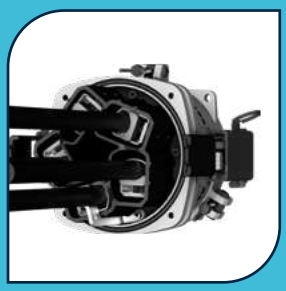
These drawbars are:

- lockable with two pins supplied in series, or,
- lockable with a kit of two padlocks ordered separately, compliant with the lock-out/tag-out (LOTO) procedures.

660 A

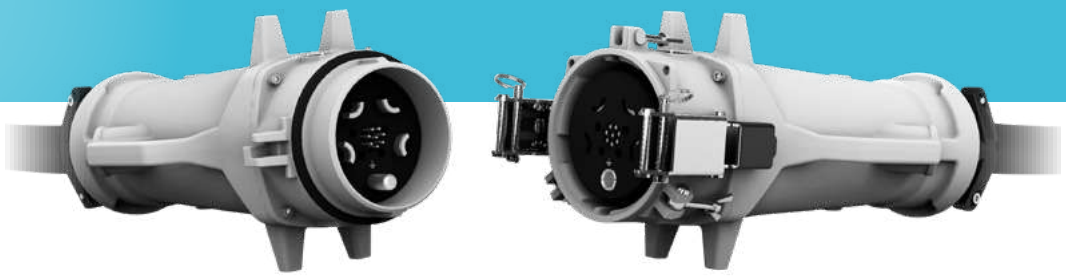
U MAX
1,1 kV AC
1,5 kV DC

HIGH-VOLTAGE PLUG & SOCKET-OUTLET P66



NEW

INSTRUCTIONS FOR USE



SOCKET/INLET FOR DIRECT WIRING

IP66 IP67	95 - 400 mm²	METAL	IK10	-40 °C +60 °C	8 AUX. + 1 PILOT

OTHER FEATURES	
Imax	660 A
Umax	1,1 kV AC - 1,5 kV DC
Number of contacts	4P+E
Female-to-male pre-wired auxiliary contacts (10 A/400 V AC/DC	8
Female-side only pre-wired pilot contact (10 W, 0.5 A/400 V AC)	1
Number of operations	2000
Copper-free aluminium alloy enclosure	

CONFIGURATION WITH CLOSING MECHANISM ON SOCKET SIDE

SOCKET female with drawbars P66

INLET male P66

380-440 V AC	3P+E	4164013726	4168013
380-440 V AC	3P+N+E	4164017726	4168017
660-690 V AC	3P+E	4164193726	4168193
660-690 V AC	3P+N+E	4164197726	4168197
1100 V AC	3P+E	4164223726	4168223
1100 V AC	3P+N+E	4164227726	4168227

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

CONFIGURATION WITH CLOSING MECHANISM ON INLET SIDE

SOCKET female P66

INLET male with drawbars P66

380-440 V AC	3P+E	4164013	4168013726
380-440 V AC	3P+N+E	4164017	4168017726
660-690 V AC	3P+E	4164193	4168193726
660-690 V AC	3P+N+E	4164197	4168197726
1100 V AC	3P+E	4164223	4168223726
1100 V AC	3P+N+E	4164227	4168227726

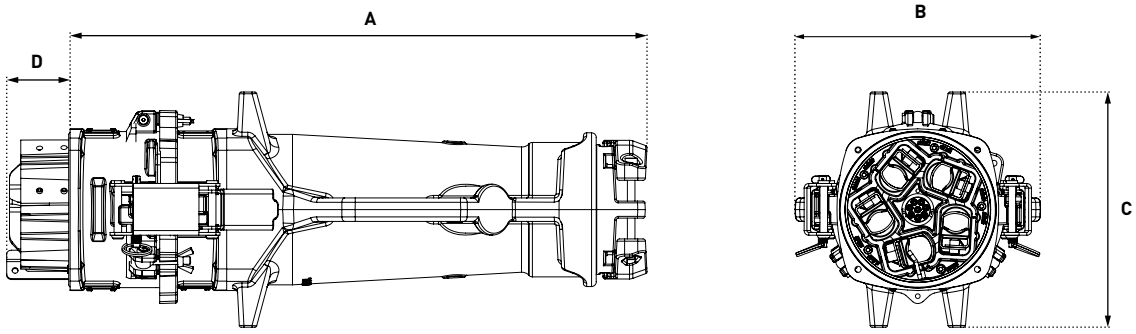
▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

HANDLES	Cable outer Ø	Reference
METAL STRAIGHT HANDLE WITH INTEGRATED CABLE GLAND		
	51-60 mm	5T8P0D60
	61-70 mm	5T8P0D70
	71-80 mm	5T8P0D80
	81-90 mm	5T8P0D90

ACCESSORIES AND OPTIONS	Reference
SET OF 2 PADLOCKS	
	416ALOCK

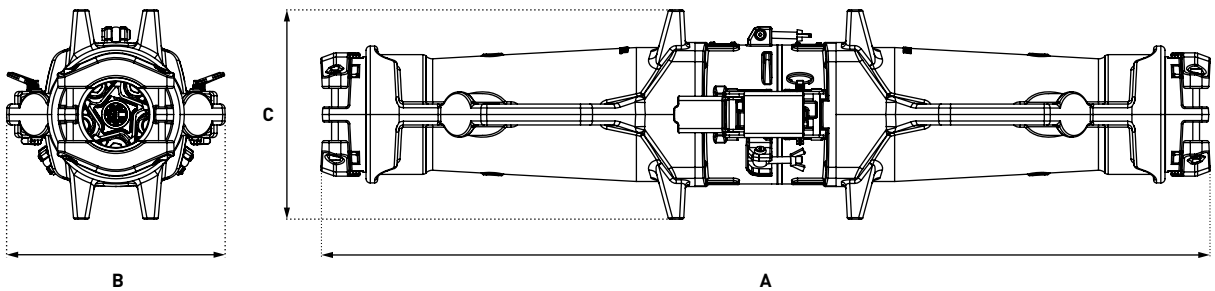
DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com

STRAIGHT PLUG ON SOCKET-OUTLET



A	B	C	D
613	261	250	67

COUPLER



A	B	C
1062	261	250

660 A

U MAX
1,1 kV AC
1,5 kV DC

HIGH-VOLTAGE PLUG & SOCKET-OUTLET P66

NEW

INSTRUCTIONS FOR USE

SOCKET-OUTLET/ INLET WITH THREADED TERMINALS FOR CRIMPING LUGS WITH M10 HOLES FOR M10 THREADED SCREWS (lugs to be ordered separately).

IP66 IP67	95 - 300 mm²	METAL	IK10	-40 °C +60 °C	8 AUX. + 1 PILOT

OTHER FEATURES	
Imax	660 A
Umax	1,1 kV AC - 1,5 kV DC
Number of contacts	4P+E
Female-to-male pre-wired auxiliary contacts (10 A/400 V AC/DC)	8
Female-side only pre-wired pilot contact (10 W, 0.5 A/400 V AC)	1
Number of operations	2000
Copper-free aluminium alloy enclosure	

CONFIGURATION WITH CLOSING MECHANISM ON SOCKET SIDE

SOCKET female with drawbars P66

INLET male P66

380-440 V AC	3P+E	4164013L26	4168013L
380-440 V AC	3P+N+E	4164017L26	4168017L
660-690 V AC	3P+E	4164193L26	4168193L
660-690 V AC	3P+N+E	4164197L26	4168197L
1100 V AC	3P+E	4164223L26	4168223L
1100 V AC	3P+N+E	4164227L26	4168227L

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

CONFIGURATION WITH CLOSING MECHANISM ON INLET SIDE

SOCKET female P66

INLET male with drawbars P66

380-440 V AC	3P+E	4164013L	4168013L26
380-440 V AC	3P+N+E	4164017L	4168017L26
660-690 V AC	3P+E	4164193L	4168193L26
660-690 V AC	3P+N+E	4164197L	4168197L26
1100 V AC	3P+E	4164223L	4168223L26
1100 V AC	3P+N+E	4164227L	4168227L26

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

HANDLES	Cable outer Ø	Reference
90° ANGLED METAL HANDLE WITH INTEGRATED CABLE GLAND		
	51-60 mm	5T8P9D60
	61-70 mm	5T8P9D70
	71-80 mm	5T8P9D80
	81-90 mm	5T8P9D90

ACCESSORIES AND OPTIONS	Reference
SET OF 2 PADLOCKS	
	416ALOCK

BOXES STAINLESS STEEL 316L	Cable outer Ø	Reference
WIRING FROM 95 TO 150 mm² WITH INTEGRATED CABLE GLAND		
	40-50 mm	416A023050
	51-60 mm	416A023060
	61-70 mm	416A023070
	71-80 mm	416A023080
	81-90 mm	416A023090
WIRING FROM 150 TO 240 mm² WITH INTEGRATED CABLE GLAND		
	40-50 mm	416A023550
	51-60 mm	416A023560
	61-70 mm	416A023570
	71-80 mm	416A023580
	81-90 mm	416A023590

LUGS WITH SPECIFIC DIMENSIONS FOR P66

SUPPLIED WITH 1 HEAT SHRINKABLE SLEEVE

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm²)	Straight with hole* Reference	Internal diameter (mm)	External diameter (mm)	Crimping die**
95	416A70C	13.1	17	HCU/95
120	416A95C	14.5	19	HCU/120
150	416A12C	16,2	21	HCU/150
185	416A15C	18	24	HCU/185
240	416A18C	20,6	26	HCU/240
300	416A24C	23,1	29	HCU/300

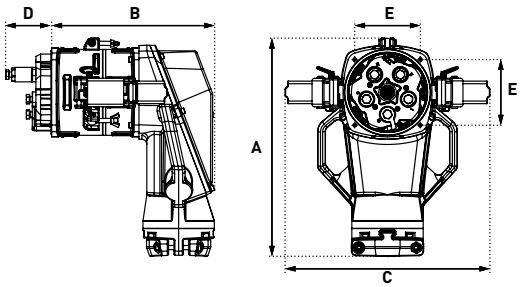
For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: Double hexagonal crimping is recommended.

*Straight lug for M10 screw, width < 30mm.

**Choose the crimping tool according to the external diameter of your lug.

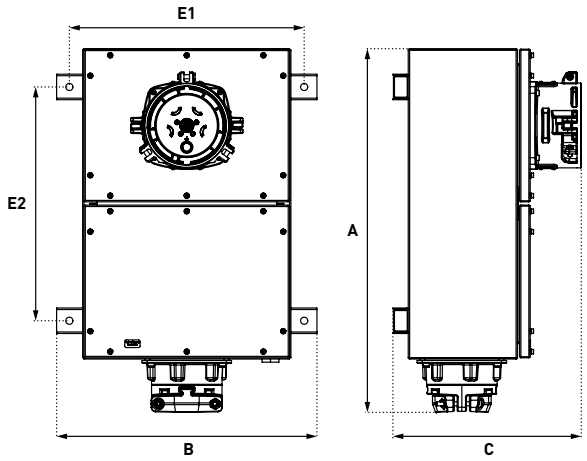
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

90° ANGLED PLUG ON SOCKET-OUTLET



A	B	C	D	E
422	315	396	89	127

SOCKET-OUTLET ON WALL BOX



	A	B	C	E1	E2
95-150 mm²	713	510	390	460	458
150-240 mm²	1013	510	479	460	400/800

800 A

SP SINGLE POLE CONNECTOR

SP

- are single pole connectors which are safe, reliable and provide a high level of performance for all high current applications. They withstand frequent overloads up to 8000 A that depend on operating cycle.
- Are robust connectors with outstanding durability.
- Are fitted with an electromechanical interlocking and an electrical interlocking with pilot contact circuit.

SP SINGLE POLE CONNECTORS COMPLY WITH:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

Canada	Russia and Eurasia	Marine	Military (Mil-S-901D)

Up to 800 A/1 000 V

IP66/IP67

Temperature rating -40 °C to +60 °C

Electromechanical interlocking system

THE HIGHEST POSSIBLE SAFETY

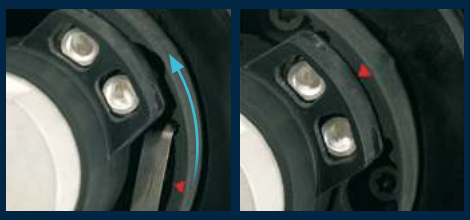
- IP2X socket-outlet when cap removed,
- Automatic IP66/IP67 watertightness when plug is connected.

AN EASILY OPERABLE CONNECTOR

- Straight insertion of the plug into the socket-outlet without any rotation,
- Mechanical fool-proofing system between phases, neutral and earth,
- Visual identification by standard colours,
- Screwed crimping lugs facilitate cable replacement.

PERFORMANCES

- Thanks to the butt-contact principle, the SP withstands continuously up to 800 A/1000 V AC (800 kW) or 1500 V DC (1200 kW).

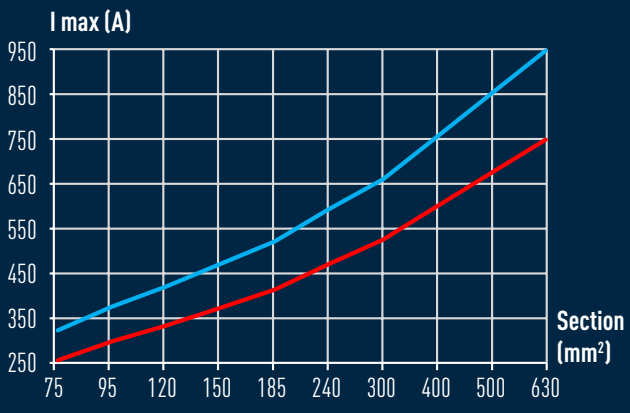


Reliable mechanical and electrical interlocking with pilot contact circuit.

SP CHARACTERISATION

Permanent and non-intermittent on-load current permitted for a new SP, wired with an appropriate H 07 RN-F cable, and at a defined maximal ambient temperature.

— Tamb maxi : 60°C.
— Tamb maxi : 30°C.



❶ Colour coding system according to country standard

❷ Operating ring of the electromechanical interlocking system.

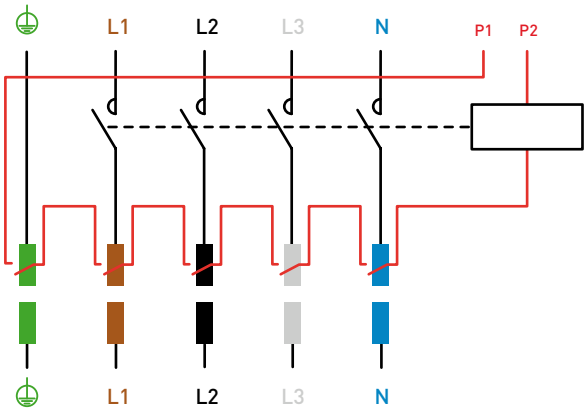
❸ Release button.

❹ Closing lever, this can be fitted to the socket or plug.

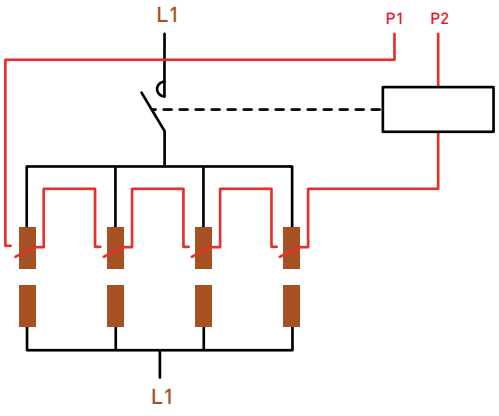
❺ Automatically IP66 when connected (dust and water hose down).

❻ Mechanical colored keying ring of L1, L2, L3, N and E.

INTERLOCKING ELECTRICAL WIRING DIAGRAM: INCREASED POWER WITH PARALLEL CONNECTION



INTERLOCKING ELECTRICAL WIRING DIAGRAM: LAST CONNECTION COMPLETES THE CIRCUIT



800 A

U MAX
1000 V AC
1500 V DC

SINGLE POLE POWER CONNECTOR SP

INSTRUCTIONS FOR USE

IP66 IP67	SEE TABLE	GRP	IK08	-40 °C +60 °C	+2 PIL.

LEVER MECHANISM TO BE ORDERED SEPARATELY
Compatible with socket or inlet since 2018
Lever mechanism : 454A876
Draw base : 454A396

OTHER FEATURES	
Rated current	Consult us for intensities higher than 800 A
Short-circuit current Icc	20 kA for 250 ms
Number of operations	2000
Pre-wired pilot circuit	10 A/250 V

COLOR coding

SOCKET-OUTLET female **SP** **WITHOUT LUG**

INLET male **SP** **WITHOUT** LUG

Type	Europe*	Reference	Reference
L1	Brown	4544001	4548001
L2	Black	4544002	4548002
L3	Grey	4544003	4548003
Neutral	Blue	454400N	454800N
Earth	Green	454400T	454800T
Positive	Red	454400P	454800P
Negative	Black	454400M	454800M

* The indicated references are valid for Europe and Japan.for UK, South Africa and India : add the suffix P40.
Color coding is as follows: L1 => Red/L2 => Yellow/L3 => Blue/Neutral => Black/Earth => Green/Positive => Red/Negative => Black.

SOCKET-OUTLET female SP **WITHOUT LUG**

INLET male SP **WITHOUT LUG**

Type	**COLOR** coding Australia and New Zealand	USA	Reference Australia and New Zealand	Reference USA	Reference Australia and New Zealand	Reference USA
L1	Red	Black	4544001P67	4544001P80	4548001P67	4548001P80
L2	White	Red	4544002P67	4544002P80	4548002P67	4548002P80
L3	Blue	Blue	4544003P67	4544003P80	4548003P67	4548003P80
Neutral	Black	White	454400NP67	454400NP80	454800NP67	454800NP80
Earth	Green	Green	454400TP67	454400TP80	454800TP67	454800TP80
Positive	Red	Red	454400PP67	454400PP80	454800PP67	454800PP80
Negative	Black	Black	454400MP67	454400MP80	454800MP67	454800MP80

LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm^2)	Straight with hole	Straight threaded M12	Internal diameter (mm)	External diameter (mm)*	Crimping die
	Reference	Reference			
70	454A50C	454A50D	11	15	HCU/70
95	454A70C	454A70D	13.1	18	HCU/95
120	454A95C	454A95D	14.5	19	HCU/120
150	454A12C	454A12D	16.2	21	HCU/150
185	454A15C	454A15D	18	24	HCU/185
240	454A18C	454A18D	20.6	26	HCU/240
300	454A24C	454A24D	23.1	29	HCU/300
400	454A30C	454A30D	26.1	32	HCU/400
500	454A40C	454A40D	29.2	40	HCU/500
630	454A500C	454A500D	33.2	42	HCU/630
/	/	454A63D	37.6	52	HCU/800

For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: Double hexagonal crimping is recommended.
*Select the crimping tool according to the outside diameter of your lug.

OPTIONS	Reference
M12 CONNECTION PIECE*	
	474A277
LOCKING SYSTEM	
Flat key lock for Ø 4 to 8 mm padlocks (padlock not supplied)	454A843

*Wiring with straight cable lugs with terminals.

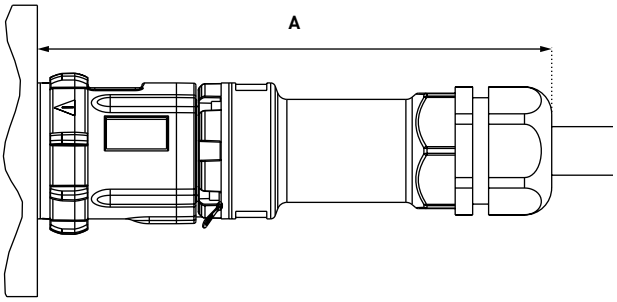
HANDLE	Input/Cable outer Ø	Reference
HANDLE STRAIGHT		
	M50 17-38 mm	454A753
	M63 35-43 mm	454A783

SLEEVE	Reference
SLEEVE INCLINED METAL 45°	
The inclined sleeve is recommended to reduce cable weight effect.	454A027

DRAWINGS AND DIMENSIONS

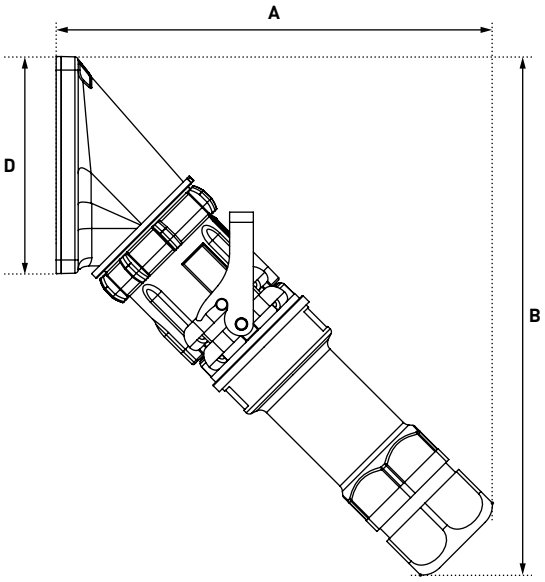
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

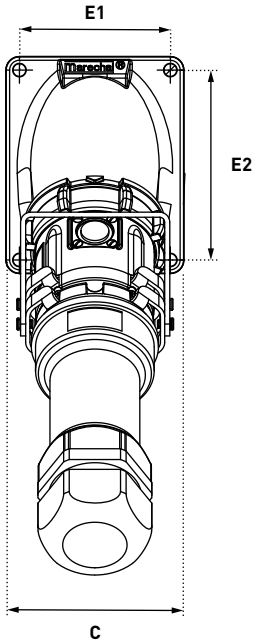
PLUG ON SOCKET-OUTLET



	A
SP M50	265
SP M63	291

PLUG ON 45° INCLINED SOCKET-OUTLET





	A	B	C	D	E1	E2
SP M50	254	306	105	128	89	112
SP M63	279	330	105	128	89	112

THERE IS POWER

BEYOND CONNECTIONS

Safe, reliable and high-performance 800 A single-pole connectors for applications requiring high electrical power with a high capacity for absorbing frequent overcurrents, up to 10*In.

MARECHAL ELECTRIC

BEYOND CONNECTIONS

1 250 A

DSP1250 SINGLE POLE CONNECTOR

Up to 1 250 A/1 000 V

IP66/IP67

Temperature rating
-40 °C à +60 °C

Electromechanical interlocking system

DSP1250

- are single pole connectors which are safe, reliable and provide a high level of performance for all permanent high current applications. They withstand frequent overloads up to 1250 A.
- Are robust connectors with outstanding durability.
- Are fitted with a mechanical interlocking system.
- Are fitted with two pilot contacts for electrical interlocking.

DSP1250 SINGLE POLE CONNECTORS COMPLY WITH:

- the European Directives Low Voltage, RoHS (affixing of CE marking), REACH European Regulation.

THE HIGHEST POSSIBLE SAFETY

- IP2X/IPXXB (contact finger) socket to prevent any hazardous contact.
- Automatic IP66/IP67 watertightness.
- Mechanical locking system that prevents from inadvertent on-load breaking.
- Two pilot contacts for electrical interlocking with an appropriate contactor.

AN EASILY OPERABLE CONNECTOR

- Mechanical fool-proofing system between phases, neutral and earth,
- Visual identification by standard colours,
- Connection with terminal or threaded crimping lugs.

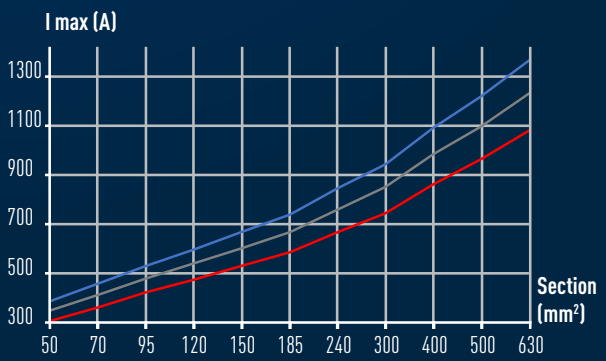
PERFORMANCES

- Thanks to the butt-contact technology, DSP1250 withstands permanent current up to 1 250 A with 1250 A/1000 V AC (1200 kW) or 1500 V DC (1800 kW).

DSP1250 CHARACTERISATION

Permanent and non-intermittent on-load current permitted for a new DSP1250, wired with an appropriate H 07 RN-F cable, and at a defined maximal ambient temperature.

— Tamb maxi : 60°C.
— Tamb maxi : 45°C.
— Tamb maxi : 30°C.



BEYOND CONNECTIONS

Safe, reliable and high-performance 1250 A single-pole connectors for applications requiring high electrical power with a high capacity for absorbing frequent overcurrents, up to 10*In.

MARECHAL ELECTRIC

BEYOND CONNECTIONS

1250 A

U MAX
1000 V AC
1500 V DC

SINGLE POLE POWER CONNECTOR DSP1250

INSTRUCTIONS FOR USE

IP66 IP67	50 - 630 mm² (1) 70 - 630 mm² (2)	METAL	IK10	-40 °C +60 °C	+2 PIL.	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
630 mm² = 1250 MCM.

OTHER FEATURES	
Mechanical interlock	standard
Pre-wired pilot circuit (2.2 mm²)	5 A/400 V
Live part protection	IP2X
Keying positions	7, mechanical and visual

REFERENCES (UP TO 690 V AC)

SOCKET-OUTLET
metal DSP1250
WITHOUT LUG

CONNECTOR
metal DSP1250
WITHOUT LUG

Each inlet should be connected to a wall box, a sleeve, a handle or a spacer to ensure correct operation of the closing mechanism.

Type	Europe*		
L1	Brown	3924001	3928001
L2	Black	3924002	3928002
L3	Grey	3924003	3928003
Neutral	Blue	392400N	392800N
Earth	Green	392400T	392800T
Positive	Red	392400P	392800P
Negative	Black	392400M	392800M
For products above 690 V (up to 1000 V)		Reference + 155	Reference + 155

* The indicated references are valid for Europe and Japan. For other countries: add the suffix P80 for the USA/P67 for Australia and New Zealand/P40 for UK and South-Africa.

COPPER LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm²)	Straight with hole	Straight threaded M12	Internal diameter (mm)	External diameter (mm)*	Crimping die
	Reference	Reference			
70	454A50C	454A50D	11	15	HCU/70
95	454A70C	454A70D	13.1	18	HCU/95
120	454A95C	454A95D	14.5	19	HCU/120
150	454A12C	454A12D	16.2	21	HCU/150
185	454A15C	454A15D	18	24	HCU/185
240	454A18C	454A18D	20.6	26	HCU/240
300	454A24C	454A24D	23.1	29	HCU/300
400	454A30C	454A30D	26.1	32	HCU/400
500	454A40C	454A40D	29.2	40	HCU/500
630	454A500C	454A500D	33.2	42	HCU/630
/	/	454A63D	37.6	52	HCU/800

For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: Double hexagonal crimping is recommended.
*Choose the crimping tool according to the external diameter of your lug.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	399A541
INLET CAP IP66/IP67	
	392A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Réf. socle + R
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	
SPACERS (BETWEEN THE WALL BOX OR PANEL)	
Depth 68 mm	5K7M0-68
Depth 115 mm	5K7M0-115
PADLOCKING/ELECTRO-MECHANICAL INTERLOCKING	
	Socket-outlet reference + MIL Check out the details on page 345

SLEEVE	X°	Reference
METAL SLEEVE ●		
	60°	596M6 (1)
	60°	597M6 (2)

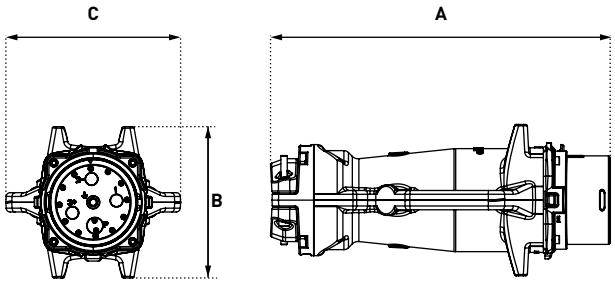
HANDLE	Cable outer Ø	Reference
ELASTOMER HANDLE WITH GLAND (3)		
	25-35 mm	556P0D35
	35-45 mm	556P0D45
	45-49 mm	556P0D49
LARGE CAPACITY METAL HANDLE WITH INTEGRATED CABLE CLAMP (4)		
	40-50 mm	5K6P0D50
	51-60 mm	5K6P0D60
	61-70 mm	5K6P0D70
	71-80 mm	5K6P0D80
	81-90 mm	5K6P0D90
LARGE CAPACITY METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) (4) ●		
	M40	5K6P0M40L
	M50	5K6P0M50L
	M63	5K6P0M63L
	M75	5K6P0M75L

(1) Compatible for use with all straight terminal lugs. The 68 mm spacer must be used.
(2) Compatible for use with M12 straight threaded lugs. From reference 454A24D, a 68 mm minimum spacer should be used.
(3) Compatible for use with M12 straight threaded lugs. From reference 454A12D, a 68 mm minimum spacer should be used.
(4) Compatible for use with all M12 straight threaded lugs.

DRAWINGS AND DIMENSIONS

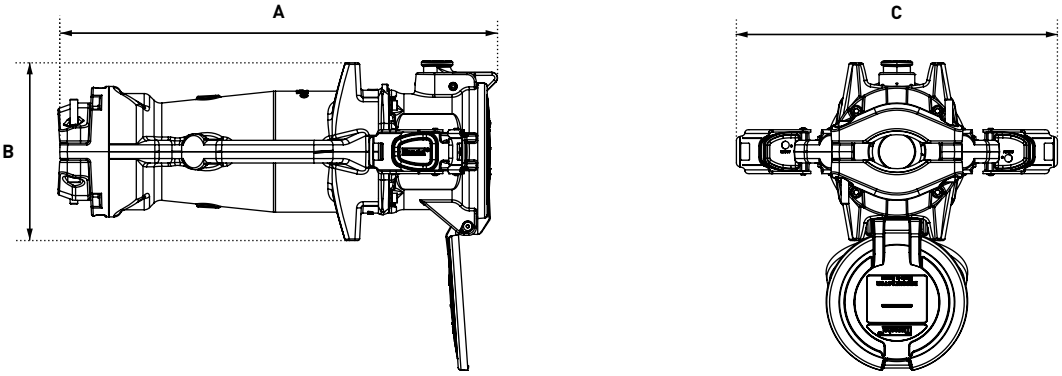
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG



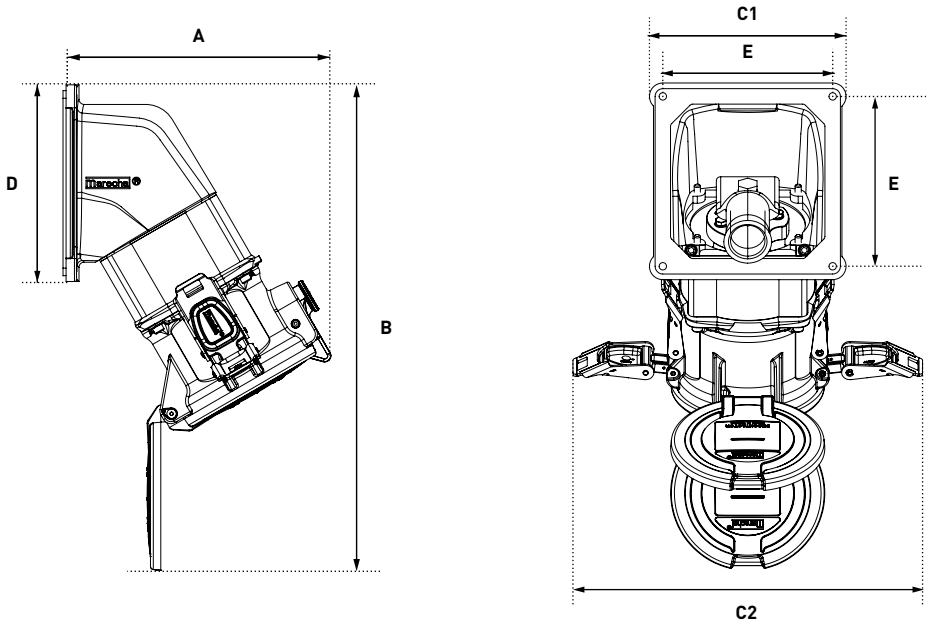
A	B	C
475	147	147

COUPLER SOCKET



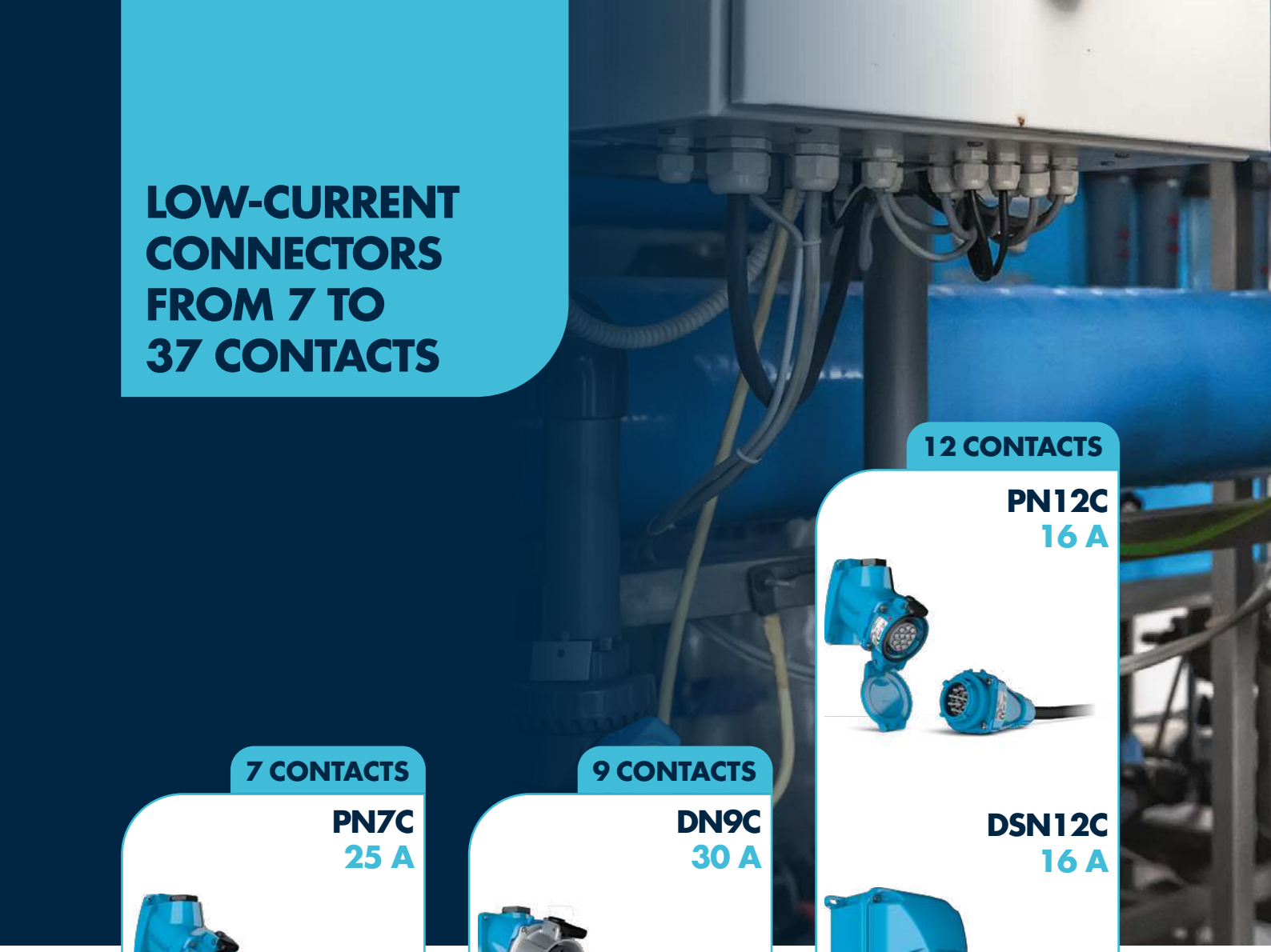
A	B	C
463	188	340

SOCKET-OUTLET INCLINED AT 60°



A	B	C1	C2	D	E
225	411	191	340	191	165

LOW-CURRENT CONNECTORS FROM 7 TO 37 CONTACTS



7 CONTACTS

PN7C
25 A

9 CONTACTS

DN9C
30 A

12 CONTACTS

PN12C
16 A

DSN12C
16 A

MODEL	MAX NB OF CONTACTS	CURRENT	U MAX AC/DC
PN7C	6+E (screw-type)	25 A	500 V AC/750 V DC
DN9C	8+E (screw-type)	30 A	415 V AC/600 V DC
PN12C	11+E (welding/crimping)	16 A	480 V AC/750 V DC
DSN12C	11+E (welding/crimping)	16 A	480 V AC/600 V DC
DN20C	19+E (screw-type)	25 A	415 V AC/600 V DC
DSN24C	23+E (welding/crimping)	16 A	480 V AC/600 V DC
DSN37C	36+E (welding/crimping)	16 A	480 V AC/600 V DC

DOWNLOAD
ALL TECHNICAL SHEETS
ON OUR WEBSITE
marechal.com

20 CONTACTS

DN20C
25 A

24 CONTACTS

DSN24C
16 A

37 CONTACTS

DSN37C
16 A

	MATERIAL	IP	EMC	IK	PAGE
	POLY METAL	IP66/IP67	Yes (metal)	IK09	164
	METAL	IP54/IP55	Yes	IK09	168
	POLY METAL	IP66/IP67	Yes (metal)	IK09	172
	POLY	IP66/IP67/IP69	/	IK09	176
	METAL	IP54/IP55	Yes	IK09	180
	POLY	IP66/IP67	/	IK09	184
	POLY	IP66/IP67	/	IK09	188

FROM 12 TO 37 CONTACTS

CRIMPING CONTACTS

PN12C/DSN12C/
DSN24C/DSN37C

ECONOMIC AND TECHNICAL ADVANTAGES

Crimping ensures an economical and sustainable solution through installation time saving and quality of connection.

- No need for soldering performance qualifications.
- High resistance to vibrations.
- Handling more than 5000 operations: a high durability and quality of connection guaranteed.

ACCESSORIES AND OPTIONS

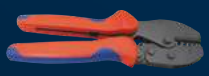
Spare parts (supplied as standard with the product):

Bag of
13 female contacts
(incl. end sleeves
and insulation sleeves)
01AA213

Bag of
13 male contacts
(incl. end sleeves
and insulation sleeves)
01AA113 (PN12C/DSN12C)
61CA113 (DSN24C/DSN37C)

Multi-Contact
removal tool
61CA593

Accessories to be ordered separately:



European
crimping tool
61CA500

Helavia sleeve
expansion tool
61CA400

Bag of
13 heat shrink insulation sleeves
(to replace the insulation sleeves
supplied as standard)
61CA083

INFO +

Leaving 2 contacts unused can give 9 different keying positions (on socket-outlet side or mobile plug side) using the two specific stopping plugs supplied.

SIMPLE ASSEMBLY AND DISASSEMBLY

ASSEMBLY

To insert contacts when they have been wired is simple.
Push wired contact into rear of insulator until it stops to complete the installation.

DISASSEMBLY

To remove, use the tool provided.
Push tool from front onto contact until tool stops.
Contact is then released at rear of insulator.

SOCKET-OUTLET SIDE

① ② ③ ④

❶ Cable.
❷ Insulation sleeve.
❸ Ferrule.
❹ Female contact silver plated.

CONNECTOR SIDE

⑤ ⑥ ⑦ ⑧

❺ Male contact silver plated + silver-nickel tips.
❻ Ferrule.
❼ Insulation sleeve.
❽ Cable.

7 CONTACTS

U MAX
500 V AC
750 V DC

25 A MULTICONTACTS CONNECTORS PN7C

INSTRUCTIONS FOR USE

IP66
IP67

1-4 mm² (1)
1-6 mm² (2)

GRP
METAL

IK09

-40 °C
+60 °C

EMC
METAL

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

OTHER FEATURES	
∑ of currents (contacts)	≤ 130 A
Terminals wiring	screw-type

GRP devices are not compatible with metal devices.

GRP **SOCKET-OUTLET** female PN7C — **INLET** male PN7C

50 V AC	6P (16 A)	01P4060	01P8060
50 V AC	7P (16 A)	01P4070	01P8070
500 V AC	5P+E (25 A)	01P4051	01P8051
500 V AC	6P+E (16 A)	01P4061	01P8061

For a black colour GRP housing replace the second reference character with 5.

METAL **SOCKET-OUTLET** female PN7C — **INLET** male PN7C

50 V AC	6P (16 A)	09P4060	09P8060
50 V AC	7P (16 A)	09P4070	09P8070
480 V AC	5P+E (25 A)	09P4051	09P8051
480 V AC	6P+E (16 A)	09P4061	09P8061

OPTIONS		Reference
LOCKING FOR 1 PADLOCK Ø 4 mm (WITHOUT SHAFT)		Ref. + 843
SCREW LOCKING IMPRINT BTR 2,5		Ref. + 22
INLET CAP IP66/IP67		01NA426
REVERSED INTERIOR AND CONTACTS	The connector is supplied with a rubber inlet cap.	Inlet ref. + 001 Socket-outlet ref. + 001
180° OPENING LID		Socket-outlet ref. + 10
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69		Socket-outlet ref. + R
180° OPENING + SELF-RETURNING LID		Socket-outlet ref. + 18
ELECTROMAGNETIC COMPATIBILITY (EMC) ●		

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

PRODUCTS AVAILABLE IN BLACK ●

The black dot means these products are also available in black color. Replace the second character of the product reference with 5

PRODUCT WITH ANTI-BACTERIAL TREATMENT ●

This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.

SLEEVE	x°	Reference
POLY SLEEVE ●		
	30°	511M3
	70°	511M7
METAL SLEEVE ●		
	0° (Droit)	591M0
	30°	591M3
	45°	591M4

BOXES	x°	Input	Ref.
POLY BOX ●			
	0° (Straight)	M20	511B0M20
	0° (Straight)	M25	511B0M25
	30°	M20	511B3M20
	30°	M25	511B3M25
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	511C7000
	70°	Hole Ø 20	511C7M20
	70°	Hole Ø 25	511C7M25
	70°	Hole Ø 32	511C7M32
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	511C3M20
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	45°	M20	591C4M20
	45°	M25	591C4M25
	45°	M32	591C4M32

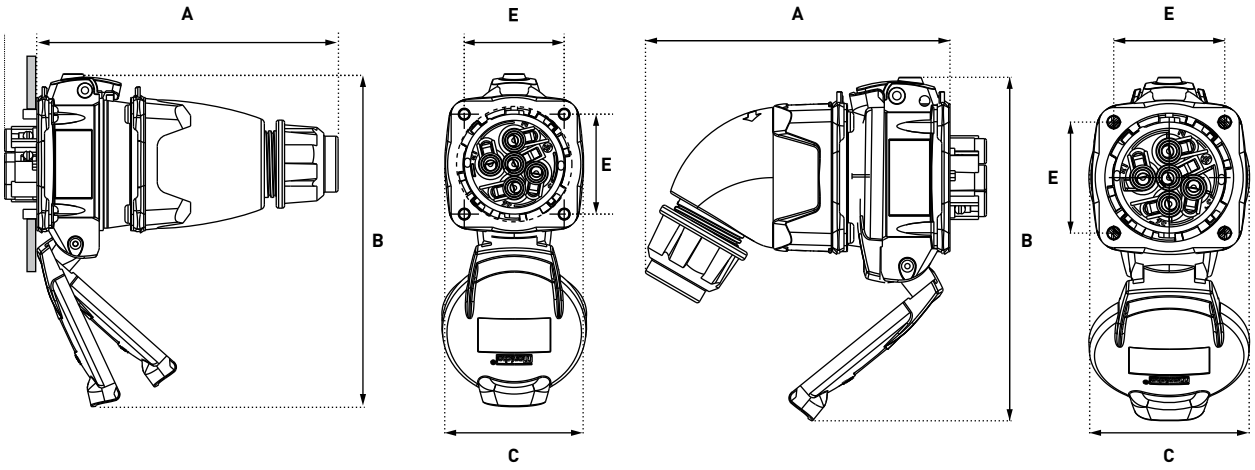
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Ref.
POLY HANDLE WITH GLAND ● ●		
	9-18 mm	511P0D18
	5-21 mm	511P0D21
60°	9-18 mm	511P6D18
POLY HANDLE + POLY CABLE GLAND ●		
	5-12 mm	511P020P
	9-18 mm	511P025P
	14-25 mm	511P032P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	591P020M
	8-16 mm	591P025M
	16-24 mm	591P032M
POLY HANDLE (WITHOUT CABLE GLAND) ●		
	M20	511P0M20
	M25	511P0M25
	M32	511P0M32
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M20	591P0M20
	M25	591P0M25
	M32	591P0M32

DRAWINGS AND DIMENSIONS

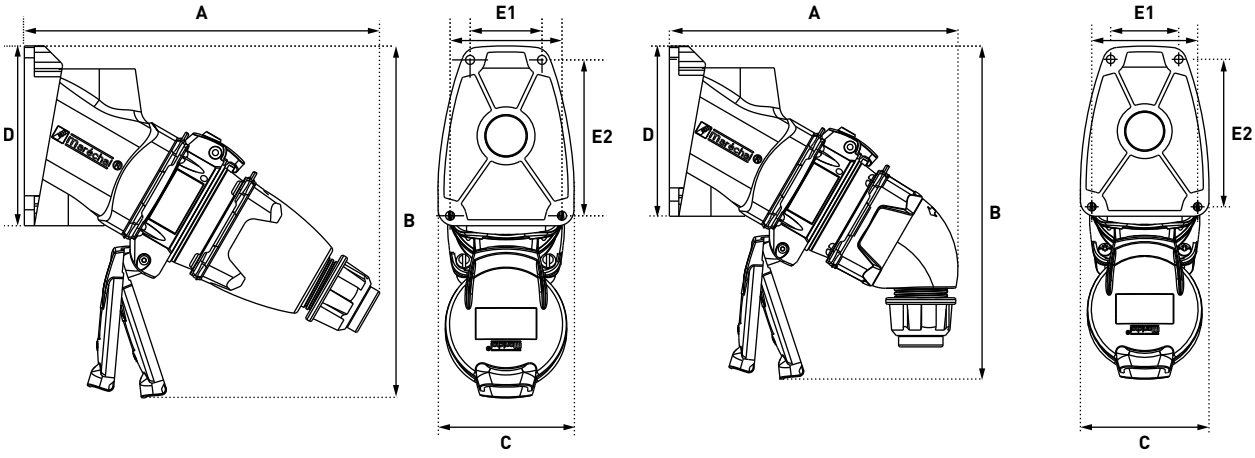
DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com

PLUG ON SOCKET-OUTLET



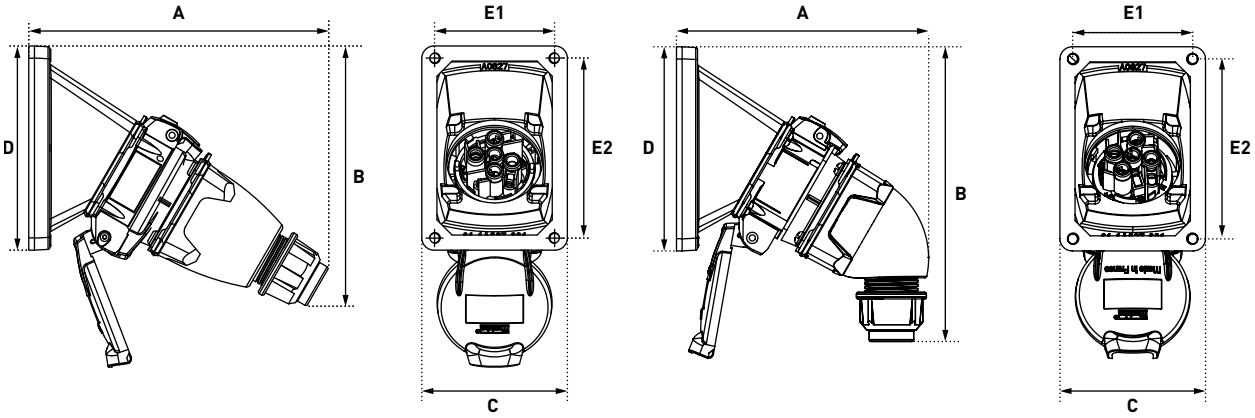
	A	B	C	E
Straight handle	127	140	58	42
Angled handle	117	138	61	42

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



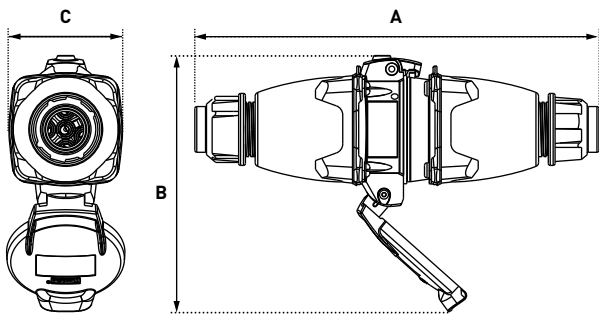
	A	B	B	D	E1	E2
Straight handle	178	176	68	90	36/56	78
Angled handle	153	176	68	90	36/56	78

PLUG ON 30° INCLINED SOCKET-OUTLET



	A	B	C	D	E1	E2
Straight handle	160	170	77	108	63	95
Angled handle	133	165	77	108	63	95

COUPLER



	A	B	C
Straight handle	208	132	58

9 CONTACTS

U MAX
415 V AC
600 V DC

30 A MULTICONTACTS CONNECTORS DN9C

INSTRUCTIONS FOR USE

IP54 (1)
IP55 (2)

1-6 mm² (3)
1,5-10 mm² (4)

METAL

IK09

-40 °C
+60 °C

EMC

(1) IP protection plug connected.
(2) IP protection lid closed.
(3) Flexible wiring (min.-max.).
(4) Stranded wiring (min.-max.).

OTHER FEATURES	
∑ of currents (contacts)	≤ 210 A
Terminals wiring	screw-type

SOCKET-OUTLET female
DN9C

INLET male
DN9C

415 V AC	8P+E	1914081	1918081

▶ The contacts can be assigned either power or signal.

OPTIONS	Reference
LOCKING PIN FOR 3 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Ref. + 844
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP	
	191A126
180° OPENING LID	
	Socket-outlet ref. + 10
SELF-RETURNING LID: IP40 LID CLOSED: IP54/IP55	
	Socket-outlet ref. + R
180° OPENING + SELF-RETURNING LID	
	Socket-outlet ref. + 18
IP66/IP67 SOCKET-OUTLET AND INLET	
	Ref. + 600
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	
Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	

HANDLE	Input/Cable outer Ø	Ref.
POLY HANDLE WITH GLAND ●		
	10-30 mm	513P0D30
POLY HANDLE + POLY CABLE GLAND		
	9-18 mm	513P025P
	14-25 mm	513P032P
	18-32 mm	513P040P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	593P020M
	8-16 mm	593P025M
	16-24 mm	593P032M
	22-32 mm	593P040M
POLY HANDLE (WITHOUT CABLE GLAND)		
	M20	513P0M20
	M25	513P0M25
	M32	513P0M32
	M40	513P0M40
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M20	593P0M20
	M25	593P0M25
	M32	593P0M32
	M40	593P0M40

BOXES	x°	Entrée	Ref.
POLY BOX			
	30°	M25	513B3M25
METAL BOX (+ EARTHING WIRE) ●			
	20°	M20	593B2M20
	20°	M25	593B2M25
	20°	M32	593B2M32
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	513C7000
	70°	Ø 25 mm drill hole	513C7M25
	70°	Ø 32 mm drill hole	513C7M32
	70°	Ø 40 mm drill hole	513C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	513C3M20
	30°	M25	513C3M25
	30°	M32	513C3M32
	30°	M40	513C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M20	593C3M20
	30°	M25	593C3M25
	30°	M32	593C3M32
	30°	M40	593C3M40
	0° (Straight)	M20	593C0M20
	0° (Straight)	M25	593C0M25
	0° (Straight)	M32	593C0M32
	0° (Straight)	M40	593C0M40
	70°	M20	593C7M20
	70°	M25	593C7M25
	70°	M32	593C7M32
	70°	M40	593C7M40

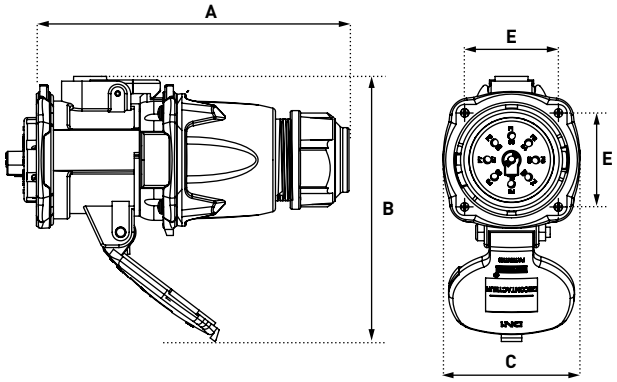
Cable glands are not delivered with the boxes.

SLEEVE	x°	Ref.
MANCHON POLY		
	30°	513M3
	70°	513M7
METAL SLEEVE ●		
	0° (Straight)	593M0
	30°	593M3
	70°	593M7

DRAWINGS AND DIMENSIONS

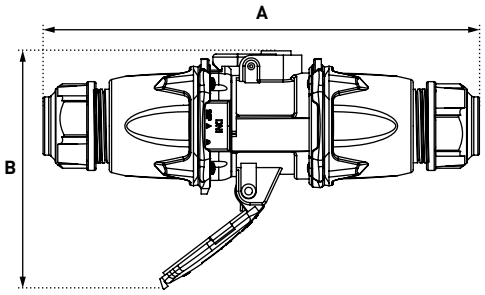
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



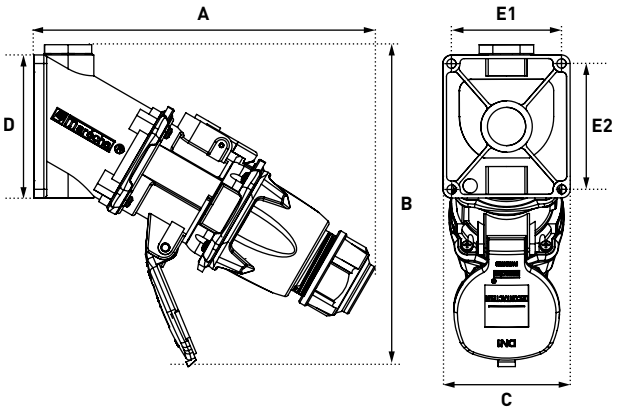
A	B	C	E
184	156	80	55

COUPLER



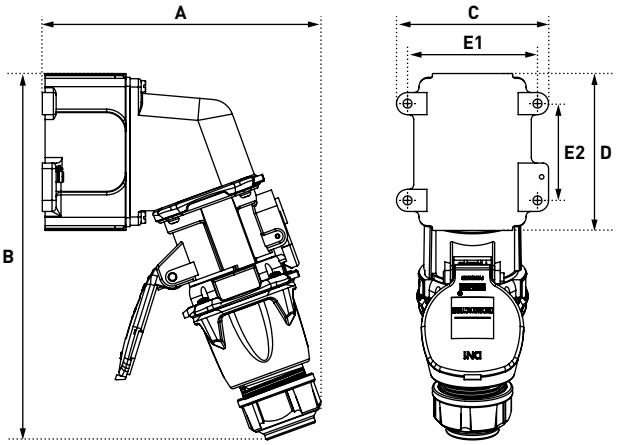
A	B
285	156

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



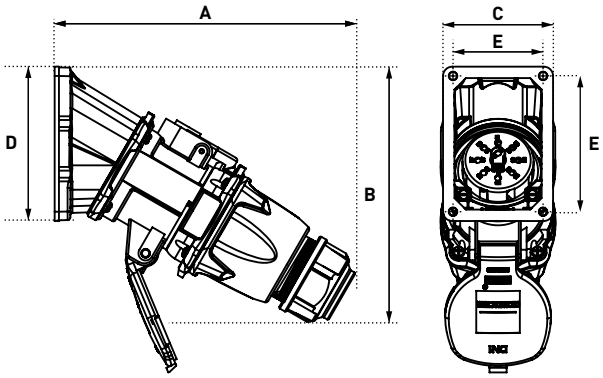
A	B	C	D	E1	E2
239	218	89	100	77	88

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



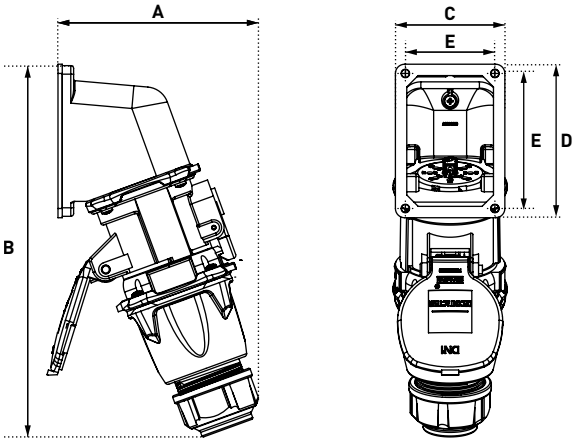
A	B	C	D	E1	E2
200	265	110	114	94	70

PLUG ON 30° INCLINED SOCKET-OUTLET

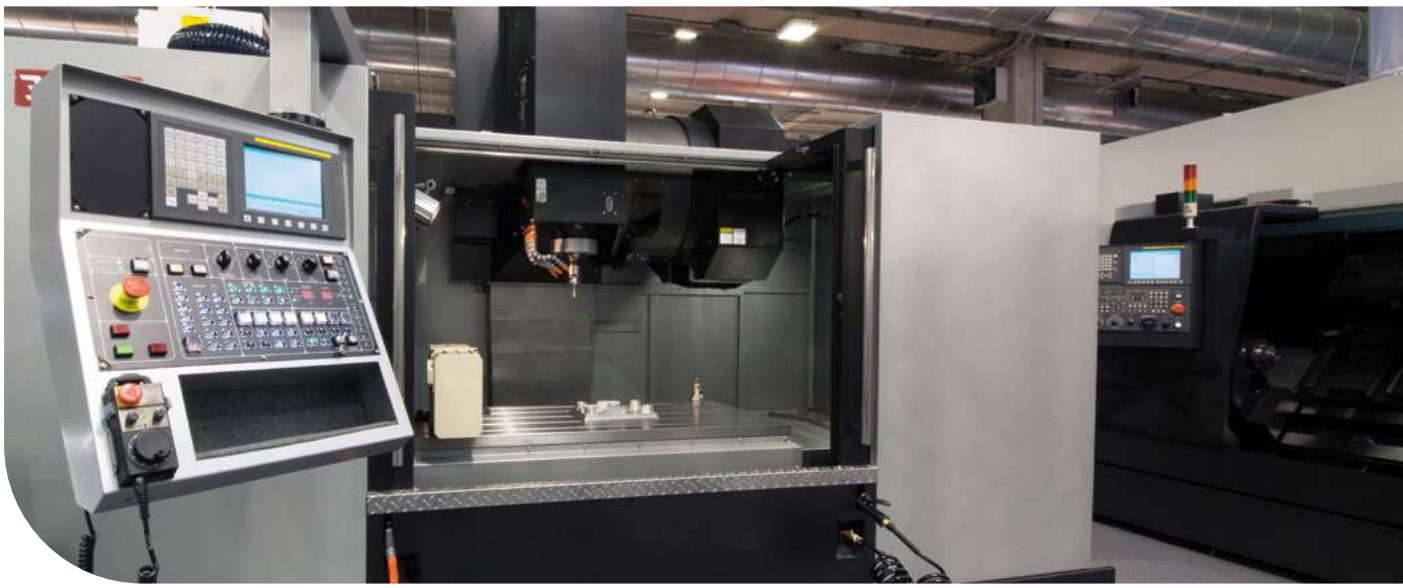


A	B	C	D	E1	E2
210	176	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
141	262	77	108	63	95



12 CONTACTS

U MAX
480 V AC
750 V DC

16 A

MULTICONTACT CONNECTORS PN12C

INSTRUCTIONS FOR USE

IP66
IP67

1-2,5 mm² (1)

GRP
METAL

IK09

-40 °C
+60 °C

EMC
METAL

(1) Flexible wiring (min.-max.).

OTHER FEATURES	
Permited current range	4-20 mA/16 A
∑ of currents (contacts)	≤ 110 A
Terminals wiring	To weld/crimp
Vibrations	Frequency 5-1000 Hz, 1g/(90 minutes on each critical frequency) according to IEC 6068-2-6

For a black colour GRP housing replace the second reference character with 5 (GRP version only).

GRP devices are not compatible with metal devices.

SOCKET-OUTLET female
PN12C

INLET male
PN12C

GRP	480 V AC	12 contacts	01A4001	01A8001
METAL	480 V AC	12 contacts	09A4001	09A8001

▶ Each product is supplied with 1 bag of 13 contacts, supplied with insulation sleeves and ferrules (see p.162 or the accessories page for more details).

OPTIONS		Reference
LOCKING OPTION FOR 1 PADLOCKS Ø 4mm (PADLOCK NOT SUPPLIED)		
		Ref. + 843
SCREW LOCKING IMPRINT BTR 2,5		
		Ref. + 22
INLET CAP IP66/IP67		
		01NA426
REVERSED INTERIOR AND CONTACTS		
	The connector is supplied with a rubber inlet cap.	Inlet ref. + 001 Socket-outlet ref. + 001
180° OPENING LID		
		Socket-outlet ref. + 10
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69		
		Socket-outlet ref. + R
180° OPENING + SELF-RETURNING LID		
		Socket-outlet ref. + 18
ELECTROMAGNETIC COMPATIBILITY (EMC) ●		

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

PRODUCTS AVAILABLE IN BLACK ●

The black dot means these products are also available in black color. Replace the second character of the product reference with 5

PRODUCT WITH ANTI-BACTERIAL TREATMENT ●

This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.

SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA113

SLEEVE	x°	Reference
POLY SLEEVE ●		
	30°	511M3
	70°	511M7
METAL SLEEVE ●		
	0° (Straight)	591M0
	30°	591M3
	45°	591M4

BOXES	x°	Input	Ref.
POLY BOX ●			
	0° (Straight)	M20	511B0M20
	0° (Straight)	M25	511B0M25
	30°	M20	511B3M20
	30°	M25	511B3M25
POLY BOX + POLY SLEEVE			
Earth bar ref. : 51AA089	70°	Without hole	511C7000
	70°	Hole Ø 20	511C7M20
	70°	Hole Ø 25	511C7M25
	70°	Hole Ø 32	511C7M32
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	511C3M20
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	45°	M20	591C4M20
	45°	M25	591C4M25
	45°	M32	591C4M32

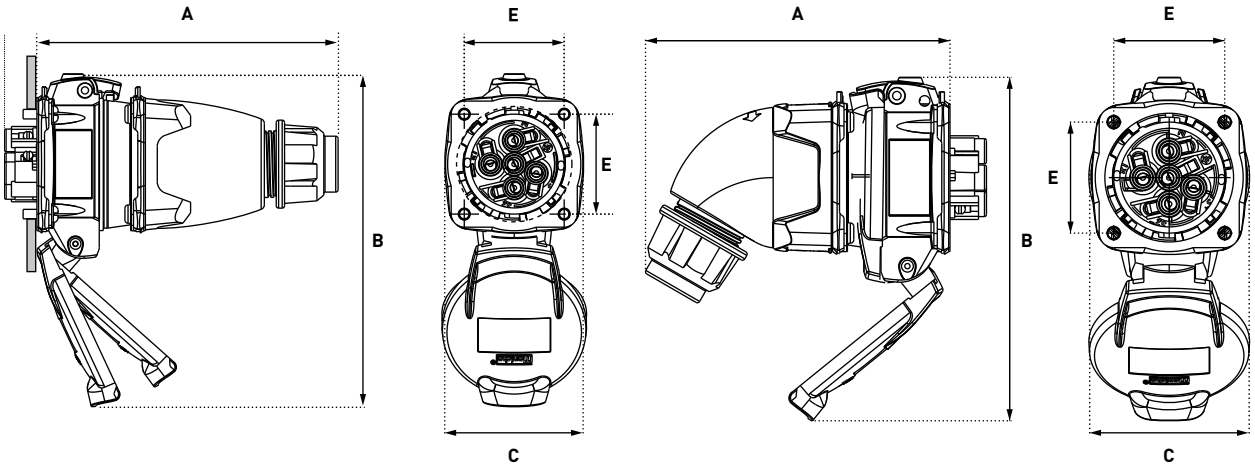
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Ref.
POLY HANDLE WITH GLAND ● ●		
	9-18 mm	511P0D18
	5-21 mm	511P0D21
60°	9-18 mm	511P6D18
POLY HANDLE + POLY CABLE GLAND ●		
	5-12 mm	511P020P
	9-18 mm	511P025P
	14-25 mm	511P032P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	591P020M
	8-16 mm	591P025M
	16-24 mm	591P032M
POLY HANDLE (WITHOUT CABLE GLAND) ●		
	M20	511P0M20
	M25	511P0M25
	M32	511P0M32
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M20	591P0M20
	M25	591P0M25
	M32	591P0M32

DRAWINGS AND DIMENSIONS

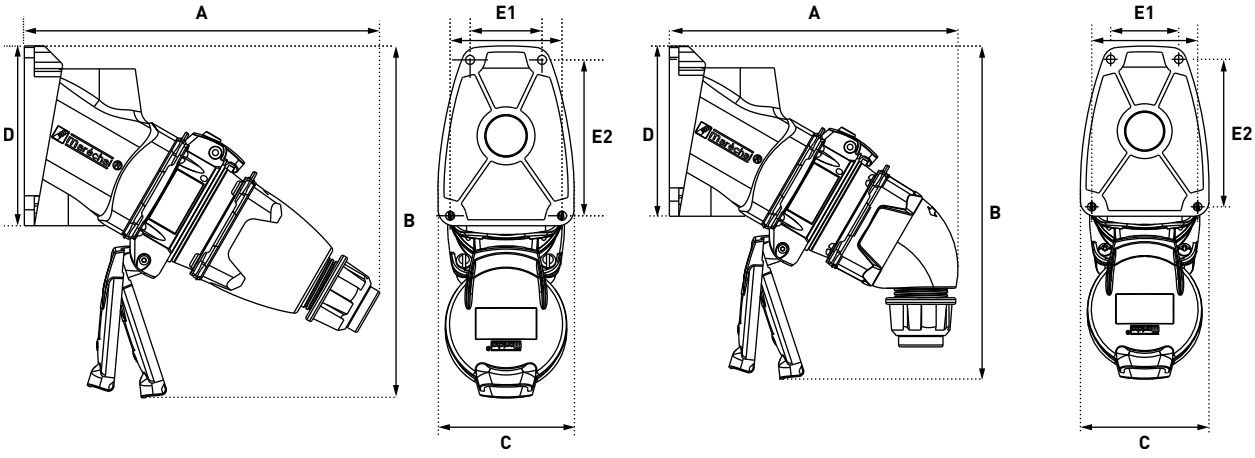
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



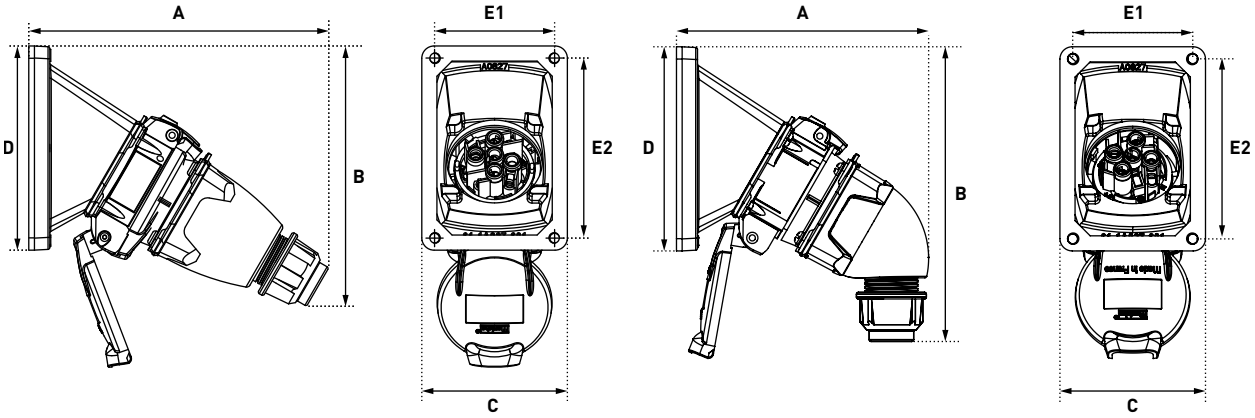
	A	B	C	E
Straight handle	127	140	58	42
Angled handle	117	138	61	42

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



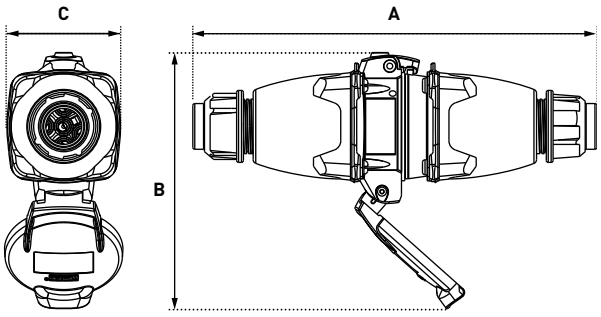
	A	B	B	D	E1	E2
Straight handle	178	176	68	90	36/56	78
Angled handle	153	176	68	90	36/56	78

PLUG ON 30° INCLINED SOCKET-OUTLET



	A	B	C	D	E1	E2
Straight handle	160	170	77	108	63	95
Angled handle	133	165	77	108	63	95

COUPLER



	A	B	C
Straight handle	208	132	58

12 CONTACTS

U MAX
480 V AC
600 V DC

16 A

MULTICONTACT CONNECTORS DSN12C

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 611A346

IP66
IP67
IP69

1-2,5 mm² (1)

GRP

IK09

-40 °C
+60 °C

(1) Flexible wiring (min.-max.).

OTHER FEATURES	
Permited current range	4-20 mA/16 A
∑ of currents (contacts)	≤ 110 A
Terminals wiring	To weld/crimp
Vibrations	Frequency 5-1000 Hz, 1g/(90 minutes on each critical frequency) according to IEC 6068-2-6

For a black colour housing replace the second reference character with 5.

SOCKET-OUTLET female
DSN12C

INLET male
DSN12C

480 V AC	12 contacts	61A4001	61A8001

▶ Each product is supplied with 1 bag of 13 contacts, supplied with insulation sleeves and ferrules (voir p. 162 or the accessories page for more details).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Ref. + 843
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	611A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
SELF-EJECTION	
	See page 208
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	

SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA113

SLEEVE	x°	Reference
POLY SLEEVE		●
	30°	511M3
	70°	511M7
METAL SLEEVE		
	0° (Straight)	591M0
	30°	591M3

BOXES	x°	Input	Reference
POLY BOX			●
	30°	M20	511B3M20
	30°	M25	511B3M25
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN1 PAGE 269)			
	70°	Without hole	511C7000
Earth bar ref. : 51AA089	70°	Hole Ø 20	511C7M20
	70°	Hole Ø 25	511C7M25
	70°	Hole Ø 32	511C7M32
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	511C3M20

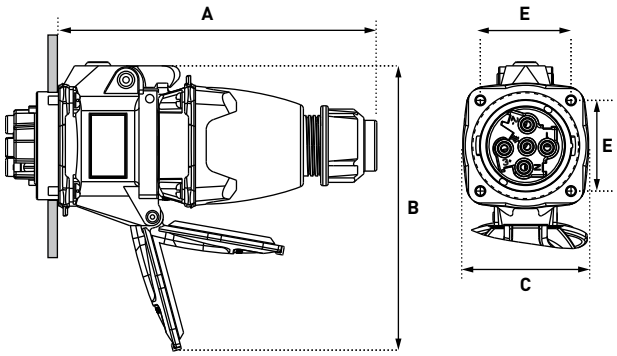
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference	Self-ejection
POLY HANDLE WITH GLAND			● ●
	9-18 mm	511P0D18	/
	5-21 mm	511P0D21	/
60°	9-18 mm	511P6D18	/
POLY HANDLE + POLY CABLE GLAND			●
	5-12 mm	511P020P	Ref. + 443 (10-14 mm)
	9-18 mm	511P025P	Ref. + 443 (12-18 mm)
	14-25 mm	511P032P	Ref. + 443
POLY HANDLE (WITHOUT CABLE GLAND)			●
	M20	511P0M20	/
	M25	511P0M25	/
	M32	511P0M32	/

DRAWINGS AND DIMENSIONS

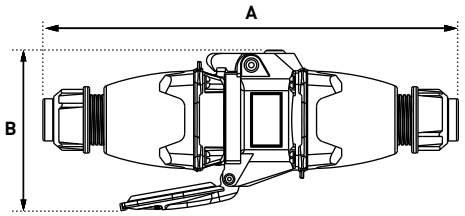
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



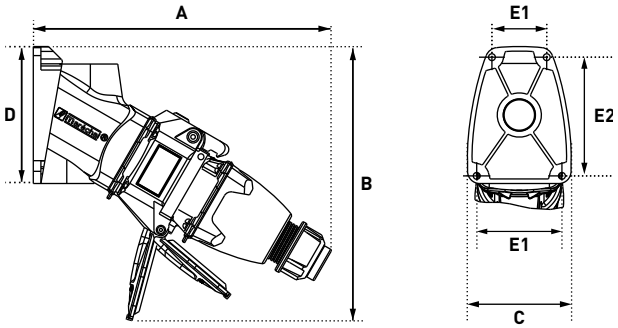
A	B	C	E
147	134	58	42

COUPLER



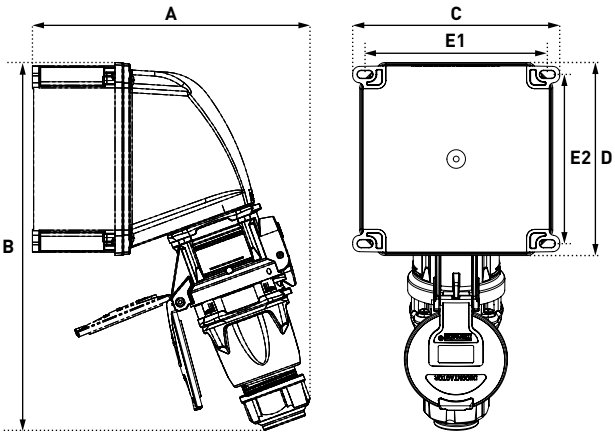
A	B
231	89

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



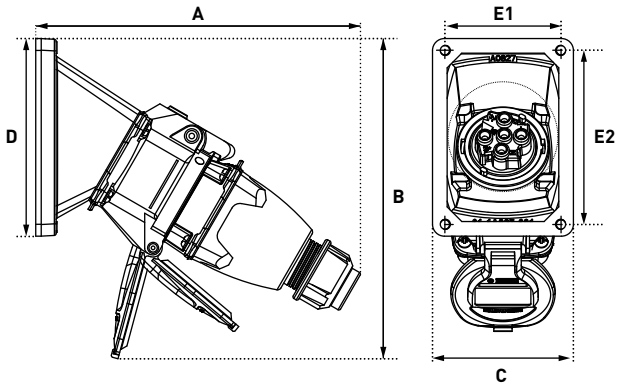
A	B	C	D	E1	E2
196	180	68	90	36/56	78

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



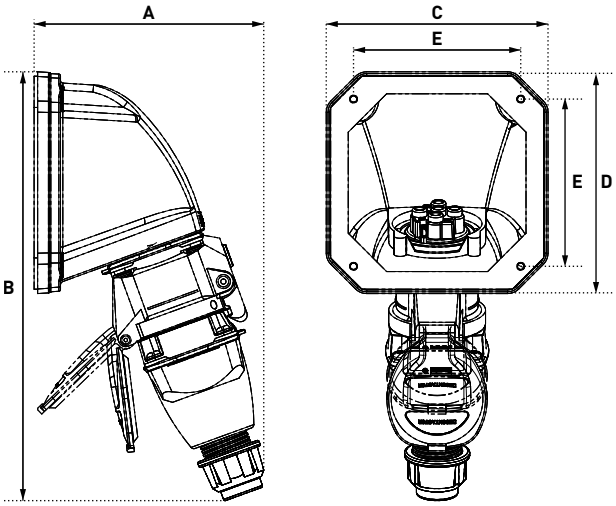
A	B	C	D	E1	E2
200	244	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
177	175	77	108	63.5	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
131	244	126	126	95

20 CONTACTS

U MAX
415 V AC
600 V DC

25 A

MULTICONTACT CONNECTORS DN20C

INSTRUCTIONS FOR USE

IP54 (1)
IP55 (2)

1-6 mm² (3)
1,5-10 mm² (4)

METAL

IK09

-40 °C
+60 °C

EMC

(1) IP protection plug connected.
(2) IP protection lid closed.
(3) Flexible wiring (min.-max.).
(4) Stranded wiring (min.-max.).

OTHER FEATURES	
∑ of currents (contacts)	≤ 350 A
Terminals wiring	screw-type

SOCKET-OUTLET female
DN20C (25 A)

INLET male
DN20C (25 A)

415 V AC	19P+E	1964191	1968191

OPTIONS	Reference
LOCKING PIN FOR 3 PADLOCKS Ø 8 mm (PADLOCKS NOT SUPPLIED)	
	Ref. + 844
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP	
	196A126
180° OPENING LID	
	Socket-outlet ref. + 10
SELF-RETURNING LID: IP40 LID CLOSED: IP54/IP55	
	Socket-outlet ref. + R
180° OPENING + SELF-RETURNING LID	
	Socket-outlet ref. + 18
CLOSING MECHANISM	
	Draw lever only 196A376 / Draw plate only 196A396
IP66/IP67 SOCKET-OUTLET AND INLET	
	Ref. + 600
ELECTROMAGNETIC COMPATIBILITY (EMC) ●	

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

PRODUCT WITH ANTI-BACTERIAL TREATMENT ●

This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.

HANDLE	Input/Cable outer Ø	Reference
ELASTOMER HANDLE WITH GLAND		
	18-25 mm	555P0D25
	25-35 mm	555P0D35
	35-45 mm	555P0D45
	45-49 mm	555P0D49
POLY HANDLE + POLY CABLE GLAND		
	14-25 mm	515P032P
	18-32 mm	515P040P
	24-38 mm	515P050P
	35-48 mm	515P063P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	16-24 mm	595P032M
	22-32 mm	595P040M
	34-44 mm	595P050M
	35-48 mm	595P063M
POLY HANDLE (WITHOUT CABLE GLAND)		
	M50	515P0M50
	M63	515P0M63

HANDLE	Input/Cable outer Ø	Reference
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND) ●		
	M32	595P0M32
	M40	595P0M40
	M50	595P0M50
	M63	595P0M63

BOXES	x°	Input	Reference
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M32	515C3M32
	30°	M40	515C3M40
	30°	M50	515C3M50
	30°	M63	515C3M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE ●			
	30°	M32	595C3M32
	30°	M40	595C3M40
	30°	M50	595C3M50
	30°	M63	595C3M63
	0° (Straight)	M32	595C0M32
	0° (Straight)	M40	595C0M40
	0° (Straight)	M50	595C0M50
	0° (Straight)	M63	595C0M63
	70°	M32	595C7M32
	70°	M40	595C7M40
	70°	M50	595C7M50
	70°	M63	595C7M63
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE + CORNET ●			
	0° (Straight)	M50	595E0M50
	30°	M50	595E3M50
	30°	M63	595E3M63
	70°	M50	595E7M50
	70°	M63	595E7M63

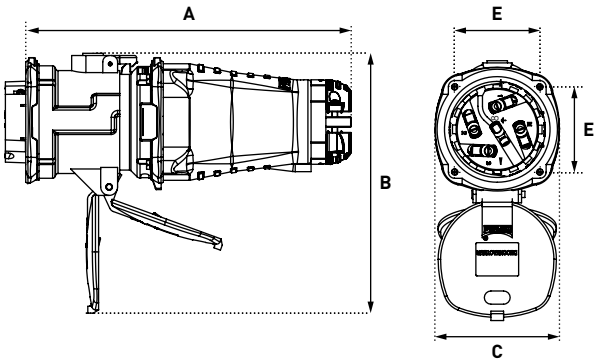
Cable glands are not delivered with the boxes.

SLEEVE	x°	Reference
POLY SLEEVE		
	30°	515M3
METAL SLEEVE ●		
	0° (Straight)	595M0
	30°	595M3
	70°	595M7

DRAWINGS AND DIMENSIONS

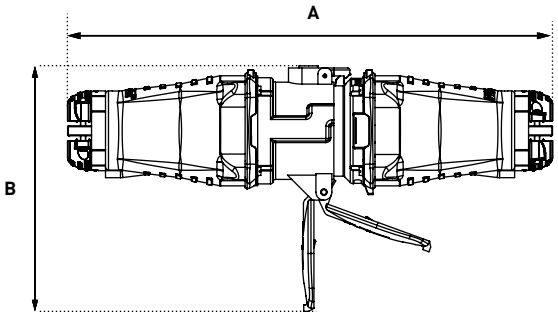
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



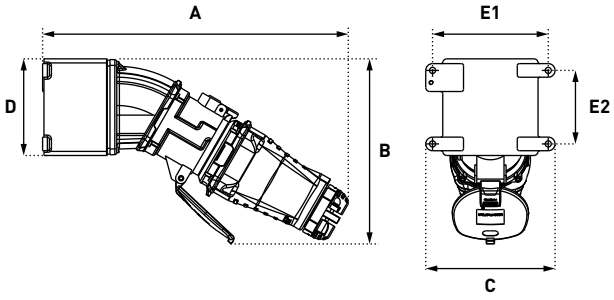
A	B	C	E
308	246	118	81

COUPLER



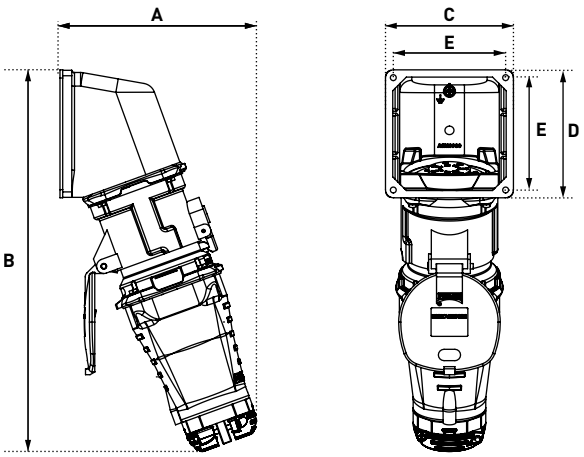
A	B
486	246

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



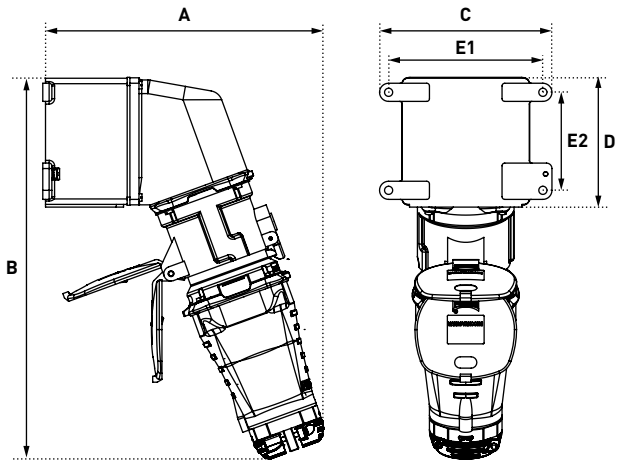
A	B	C	E1	E2
449	272	190	170	108

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
217	421	141	141	124

PLUG ON 70° WALL MOUNTED SOCKET-OUTLET



A	B	C	D	E1	E2
309	419	190	142	170	108

24 CONTACTS

U MAX
480 V AC
600 V DC

16 A

MULTICONTACT CONNECTORS DSN24C

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 613A346

IP66 IP67	1-2,5 mm² (1)	GRP	IK09	-40 °C +60 °C

(1) Flexible wiring (min.-max.).

OTHER FEATURES	
Permited current range	4-20 mA/16 A
∑ of currents (contacts)	≤ 230 A
Terminals wiring	To weld/crimp
Vibrations	Frequency 5-1000 Hz, 1g/(90 minutes on each critical frequency) according to IEC 6068-2-6

SOCKET-OUTLET female
DSN24C

INLET male
DSN24C

For a black colour housing replace the second reference character with 5.

480 V AC	24 contacts	61B4002	61B8002

▶ Each product is supplied with 2 bags of 13 contacts, supplied with insulation sleeves and ferrules (voir p. 162 or the accessories page for more details).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Ref. + 843
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	613A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	
	Socket-outlet ref. + R
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	
INTEGRATED FINGER DRAW PLATES + ROPE GUIDE ●	
This handle has integrated rope guide and finger draw plate, so there's no need to order a pair of additional finger draw plates.	

SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	61CA113

SLEEVE	X°	Reference
POLY SLEEVE ●		
	30°	512M3
	70°	512M7
METAL SLEEVE		
	0° (Straight)	592M0
	30°	592M3

BOXES	X°	Input	Reference
POLY BOX ●			
	30°	M20	512B3M20
	30°	M25	512B3M25
METAL BOX (+ EARTHING WIRE)			
	20°	M20	592B2M20
	20°	M25	592B2M25
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN3 PAGE 281)			
Earth bar ref. : 51AA089	70°	Without hole	512C7000
	70°	Ø 20 mm drill hole	512C7M20
	70°	Ø 25 mm drill hole	512C7M25
	70°	Ø 32 mm drill hole	512C7M32
	70°	Ø 40 mm drill hole	512C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	512C3M20
	30°	M25	512C3M25
	30°	M32	512C3M32
	30°	M40	512C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	592C3M20
	30°	M25	592C3M25
	30°	M32	592C3M32
	0° (Straight)	M20	592C0M20
	0° (Straight)	M25	592C0M25
	0° (Straight)	M32	592C0M32

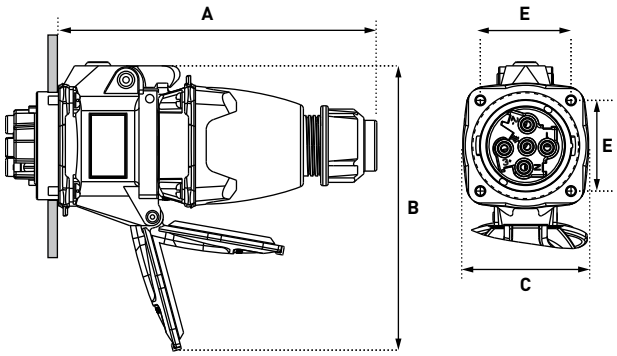
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE WITH GLAND ● ●		
	5-21 mm	512P0D21
POLY HANDLE + POLY CABLE GLAND ● ●		
	5-12 mm	512P020P
	9-18 mm	512P025P
	14-25 mm	512P032P
	18-32 mm	512P040P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	592P020M
	8-16 mm	592P025M
	16-24 mm	592P032M
POLY HANDLE (WITHOUT CABLE GLAND) ● ●		
	M20	512P0M20
	M25	512P0M25
	M32	512P0M32
	M40	512P0M40
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M20	592P0M20
	M25	592P0M25
	M32	592P0M32

DRAWINGS AND DIMENSIONS

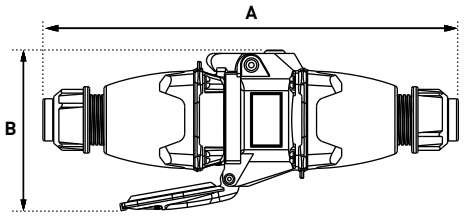
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



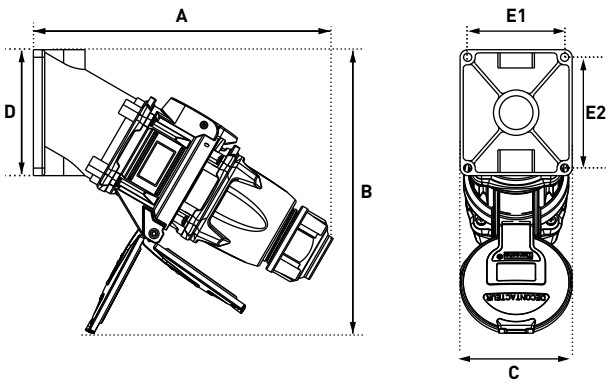
A	B	C	E
171	171	77	48

COUPLER



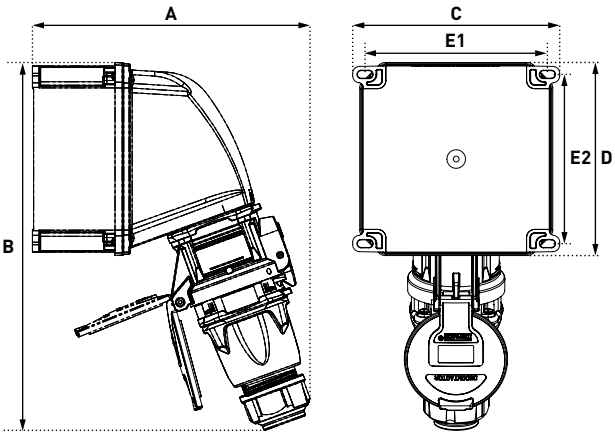
A	B
265	116

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



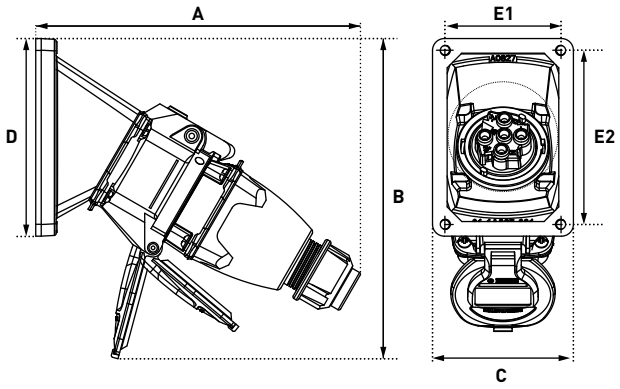
A	B	C	D	E1	E2
213	191	84	84	70	70

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



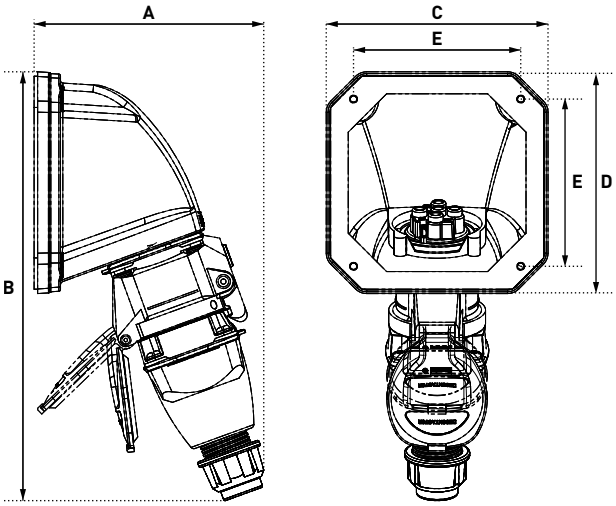
A	B	C	D	E1	E2
207	262	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
195	191	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
138	262	126	126	95

37 CONTACTS

U MAX
480 V AC
600 V DC

16 A MULTICONTACT CONNECTORS DSN37C

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP66
IP67

1-2,5 mm² (1)

GRP

IK09

-40 °C
+60 °C

(1) Flexible wiring (min.-max.).

For metal versions, contact us.

OTHER FEATURES	
Permited current range	4-20 mA/16 A
∑ of currents (contacts)	≤ 360 A
Terminals wiring	To weld/crimp
Vibrations	Frequency 5-1000 Hz, 1g/(90 minutes on each critical frequency) according to IEC 6068-2-6

For a black colour housing replace the second reference character with 5.

SOCKET-OUTLET female
DSN37C

INLET male
DSN37C

480 V AC	37 contacts	61C4003	61C8003

▶ Each product is supplied with 3 bags of 13 contacts, supplied with insulation sleeves and ferrules (voir p. 162 or the accessories page for more details).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	Ref. + 843
LARGER RELEASE BUTTON	Socket-outlet ref. + 453
INLET CAP IP66/IP67	616A426
SELF-RETURNING LID: IP40 LID CLOSED: IP66/IP67/IP69	Socket-outlet ref. + R
REVERSED INTERIOR AND CONTACTS	Inlet ref. + 001 Socket-outlet ref. + 001
PRODUCTS AVAILABLE IN BLACK ●	
The black dot means these products are also available in black color. Replace the second character of the product reference with 5	
PRODUCT WITH ANTI-BACTERIAL TREATMENT ●	
This sticker means that the product is also available with an antibacterial treatment. Add the suffix AG to the reference.	

SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	61CA113

SLEEVE	x°	Reference
POLY SLEEVE ●		
	30°	513M3
	70°	513M7
METAL SLEEVE		
	0° (Straight)	593M0
	30°	593M3
	70°	593M7

BOXES	x°	Entrée	Reference
POLY BOX ●			
	30°	M25	513B3M25

BOXES	x°	Input	Reference
METAL BOX (+ EARTHING WIRE)			
	20°	M20	593B2M20
	20°	M25	593B2M25
	20°	M32	593B2M32
POLY BOX + POLY SLEEVE (BLACK VERSION SEE ACCESSORIES DXN6 PAGE 289)			
Earth bar ref. : 51AA089	70°	Without hole	513C7000
	70°	Ø 25 mm drill hole	513C7M25
	70°	Ø 32 mm drill hole	513C7M32
	70°	Ø 40 mm drill hole	513C7M40
METAL BOX (+ EARTHING WIRE) + POLY SLEEVE			
	30°	M20	513C3M20
	30°	M25	513C3M25
	30°	M32	513C3M32
	30°	M40	513C3M40
METAL BOX (+ EARTHING WIRE) + METAL SLEEVE			
	30°	M20	593C3M20
	30°	M25	593C3M25
	30°	M32	593C3M32
	30°	M40	593C3M40
	0° (Straight)	M20	593C0M20
	0° (Straight)	M25	593C0M25
	0° (Straight)	M32	593C0M32
	0° (Straight)	M40	593C0M40
	70°	M20	593C7M20
	70°	M25	593C7M25
	70°	M32	593C7M32
	70°	M40	593C7M40

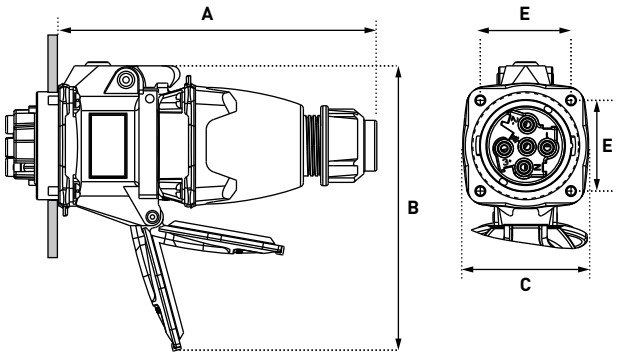
Cable glands are not delivered with the boxes.

HANDLE	Input/Cable outer Ø	Reference
POLY HANDLE WITH GLAND ● ●		
	10-30 mm	513P0D30
POLY HANDLE + POLY CABLE GLAND ●		
	9-18 mm	513P025P
	14-25 mm	513P032P
	18-32 mm	513P040P
METAL HANDLE WITH METAL GLAND (+ EARTHING WIRE)		
	7-13 mm	593P020M
	8-16 mm	593P025M
	16-24 mm	593P032M
	22-32 mm	593P040M
POLY HANDLE (WITHOUT CABLE GLAND) ●		
	M20	513P0M20
	M25	513P0M25
	M32	513P0M32
	M40	513P0M40
METAL HANDLE METRIC THREAD ENTRY (WITHOUT CABLE GLAND)		
	M20	593P0M20
	M25	593P0M25
	M32	593P0M32
	M40	593P0M40

DRAWINGS AND DIMENSIONS

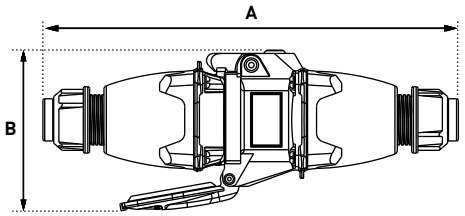
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



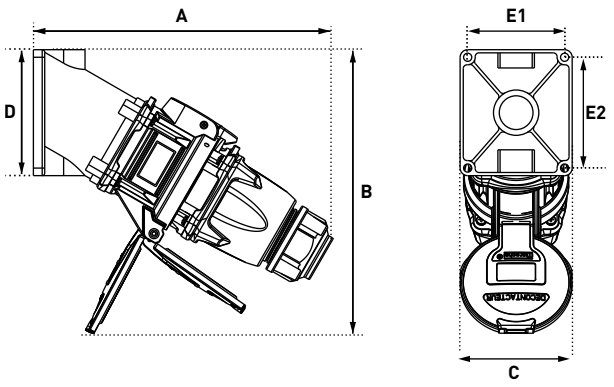
A	B	C	E
184	195	84	55

COUPLER



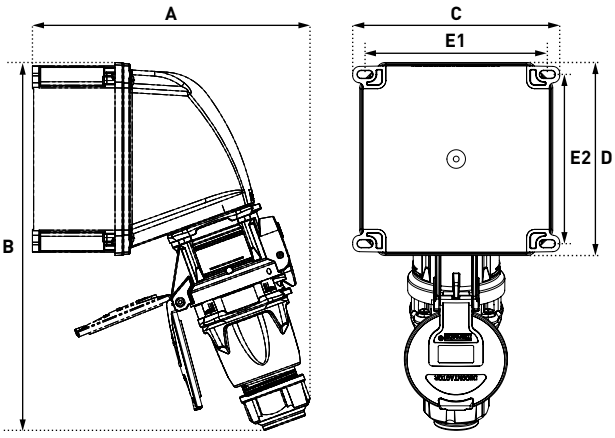
A	B
286	122

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



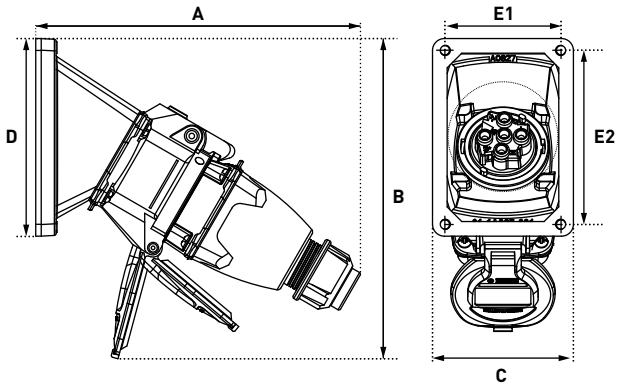
A	B	C	D	E1	E2
238	225	89	100	77	88

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



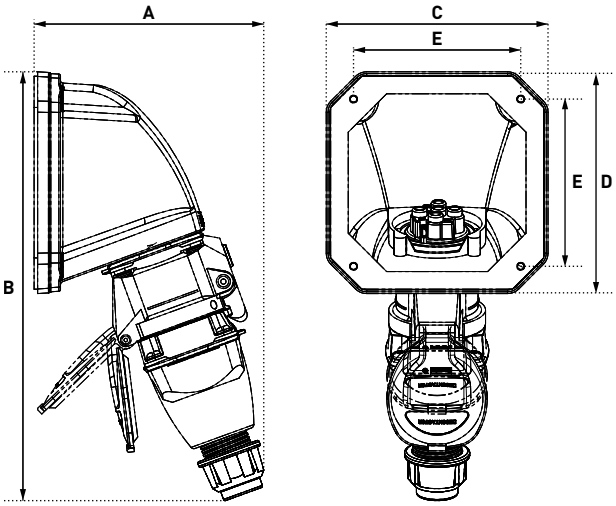
A	B	C	D	E1	E2
239	317	178	166	157	146

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
212	219	77	108	63	95

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
170	317	166	166	135

MOBILE APPLICATIONS

SAFE POWER SUPPLY FOR AUXILIARY CHARGING DEVICES

20 A/32 A

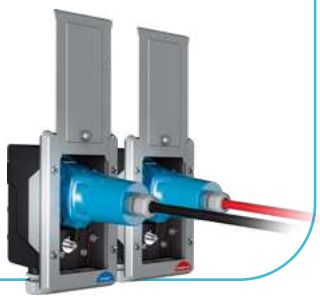
RETTBOX® S

WITH OR WITHOUT AIR

20 A

RETTBOX® ONE

WITH OR WITHOUT AIR



20 A - 150 A

SELF-EJECTION DECONTACTOR™

MODEL	CURRENT	U MAX AC	MAX NB OF CONTACTS	NB AUX./PIL. MAX
RETTBOX® S	20 A/32 A	480 V	4+E	2 AUX.
RETTBOX® ONE	20 A	250 V	4+E	3 AUX.
SELF-EJECTION DECONTACTOR™	⏮	Depending on reference	⏭	
PN ANTI ENGINE START UP	30 A	250 V	2+E	2 AUX.
DISTRIBUTION BOXES	20 A ⏭ 90 A	400 V	4+E	4 AUX.

DOWNLOAD ALL TECHNICAL SHEETS ON OUR WEBSITE
marechal.com

30A

PN ANTI ENGINE START UP PLUG

20A - 90A

DISTRIBUTION BOXES

DECONTACTOR™	MATIÈRE	IP	COMPRESSED AIR SUPPLY OPTION	PAGE
Yes	POLY	IP54	AIR Version	198
Yes	POLY METAL	IP55	AIR Version	202
Yes	⏮ Depending on reference ⏭		No	208
/	POLY METAL	IP55	No	212
Yes	POLY METAL	IP66	No	214

20 A/32 A

RETTBOX® S SERIES

ELECTROMAGNETIC SELF-EJECTION

WITH OR WITHOUT AIR

A UNIQUE SOLUTION WITH MULTIPLE BENEFITS

Electromechanical auto-ejection systems are designed to automatically release the mobile socket-outlet when a vehicle is started up.

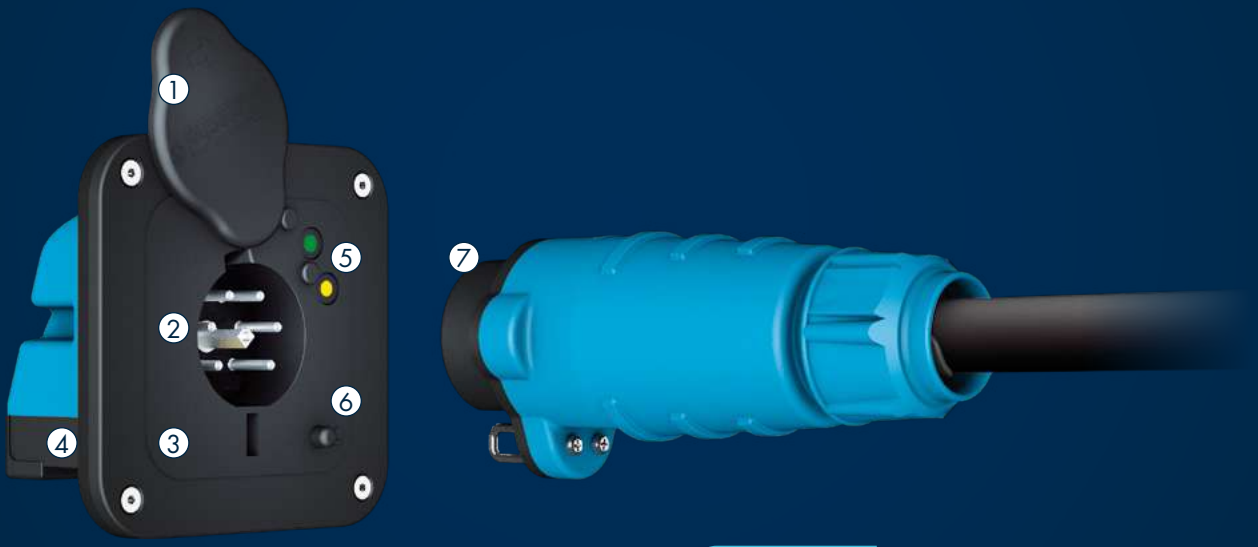
RETTBOX® S is a professionnal use compact and load-breaking self-ejecting socket-outlet.

The best in class industrial socket-outlet providing power to all equipment on-board a vehicle.

RETTBOX® S complies with the following standards:

- European Low Voltage Directive and RoHS, European REACH Regulation.
- IEC/EN 61984, IEC/EN 60947-3.

ULTRA-COMPACT FOR OPTIMISED INSTALLATION



RETTBOX® S

1. Swivel-lid.
2. Base plate with 7 contacts. The air duct of the AIR version in included in the connector.
3. Reinforced thermoplastics box.
4. 12V/24V solenoid coil used to eject the socket-outlet upon starting of the vehicle.
5. Voltage presence and battery charging light indicators.
6. Manual ejection push button.
7. Reinforced thermoplastics mobile socket-outlet.

MAKING MOBILITY SAFE

SAFE

RETTBOX® S is the perfect response to your day-to-day safety requirements, automatically disconnecting the power supply when the vehicle is started.

SIMPLE

RETTBOX® S has been designed to make installation easy for you, and can be handled with one hand, whether you're a user, installer or body builder.

SMART

RETTBOX® S has been designed to meet your space and design constraints, thanks to the the symmetry of its plate and its thinness.

POSSIBLE CONFIGURATIONS

VOLTAGE PRESENCE AND AUXILIARY BATTERY CHARGING LIGHT INDICATORS

Figure 1: with an external battery charger.
12 V DC or 24 V DC power supply.

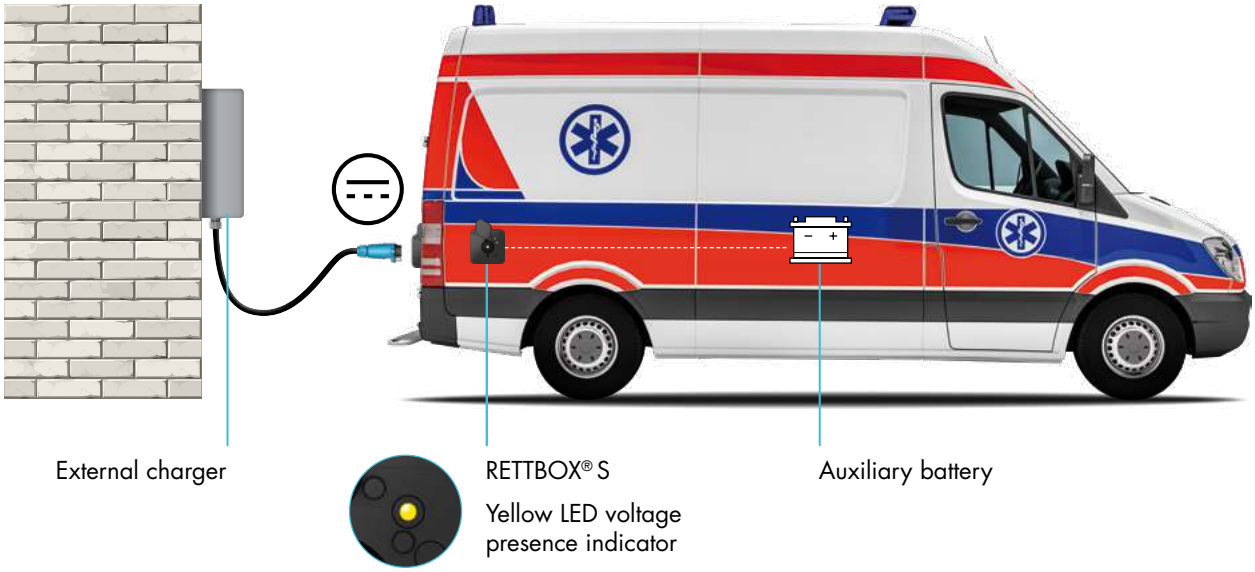
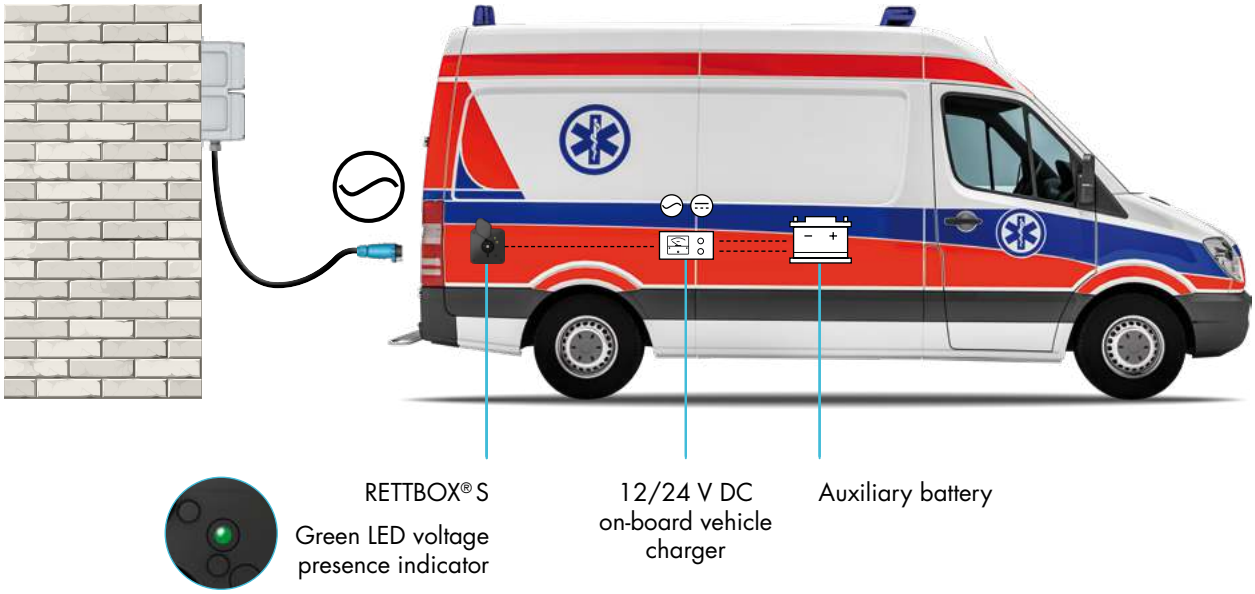
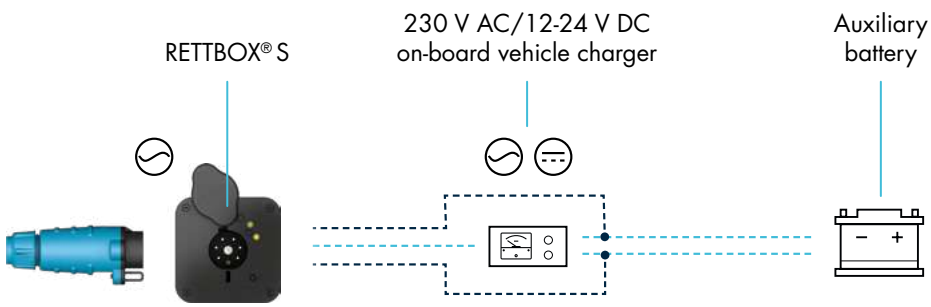


Figure 2: with an on-board vehicle charger.
up to 480 V AC power supply.



OPTIONAL

Order a
12 V DC/24 V DC
yellow LED battery
charging indicator.
Reference :
151ALED-24J



20 A/32 A

U MAX
480 V AC
24 V DC

RETTBOX® S
ELECTROMAGNETIC SELF-EJECTION
WITH OR WITHOUT AIR

INSTRUCTIONS FOR USE

IP54 | 1,5 - 6 mm² (1) | GRP | IK08 | - 40 °C + 60 °C

(1) Flexible wiring (min.-max.)

Cable is not included

RETTBOX®S (20 A)
RETTBOX®S AIR (20 A)*

			BOX*	COUPLER SOCKET straight (2)*	COUPLER SOCKET angled 60° (3)
220 - 250 V AC	6P+E	With solenoid coil 12/24 V DC and male connector	151**0**16	151**3**016	15C3016
24 V DC	6P+E	With solenoid coil 12/24 V DC and male connector	151**0**46	151**3**046	15C3046
12 V DC	6P+E	With solenoid coil 12/24 V DC and male connector	151**0**26	151**3**026	15C3026

(2) Input/Cable outer Ø 5-21 mm - (3) Input/Cable outer Ø 9-18 mm, no Air version available.
* For AIR version, change the 0 of the product reference by A.

RETTBOX®S (32 A)
RETTBOX®S AIR (32 A)*

			BOX*	COUPLER SOCKET straight (2)*	COUPLER SOCKET angled 60° (3)
380 - 480 V AC	6P+E	With solenoid coil 12/24 V DC and male connector	153**0**36	153**3**036	15C3036

(2) Input/Cable outer Ø 5-21 mm - (3) Input/Cable outer Ø 9-18 mm, no Air version available.
* For AIR version, change the 0 of the product reference by A.

OTHER FEATURES	RETTBOX® S (20 A)	RETTBOX® S (32 A)	RETTBOX® S AIR (20 A)	RETTBOX® S AIR (32 A)
Box material	GRP	GRP	GRP	GRP
Front dimensions (W x H) in mm	120 x 120	120 x 120	120 x 120	120 x 120
IP Box	IP54	IP54	IP54	IP54
IP : mobile socket-outlet without plug cap	IP2X	IP2X	IP2X	IP2X
IP : mobile socket-outlet with plug cap	IP44	IP44	IP44	IP44
Cut-out dimensions on vehicle's frame (W x H x D) in mm	86 x 82 x 83	86 x 82 x 83	86 x 82 x 83	86 x 82 x 83
Weight (excluding coupler socket)	400 g	400 g	407 g	407 g
AIR Version	/	/	up to 13 bars	up to 13 bars

OPTIONS

Order a 12/24 V yellow LED battery charging indicator.
Reference : 151ALED-24J.

Contact us for wall installation
with a box 120x120x91.

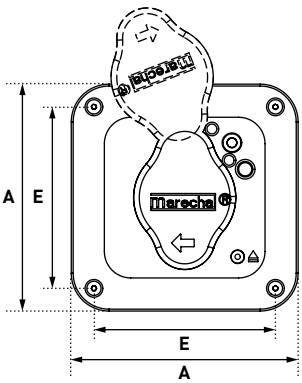
CABLE AVAILABLE PER METRE (FOR PORTABLE SOCKET-OUTLET)

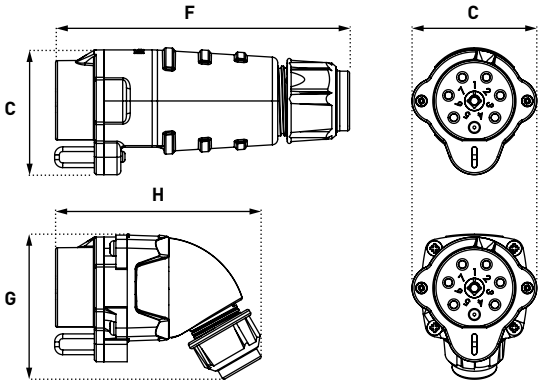
381AKOM : 32 A cable, 1 air duct
+ 5G6mm² (4P+E) + 2 x 2.5mm² for auxiliaries

611AKOM: 20 A cable, 1 compressed air duct
+ 4G2.5mm² (3P+E) + 2 x 1.5mm² for auxiliaries

DRAWINGS AND DIMENSIONS

DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com





A	B	C	D	E	F	G	H
120	75	66	16	96	156	77	109

20 A

RETTBOX® ONE SERIES

ELECTROMAGNETIC SELF-EJECTION

RETTBOX® ONE complies with the following standards:

- European Low Voltage Directive and RoHS, European REACH Regulation.
- IEC/EN 60309-1 and IEC/EN 60670.

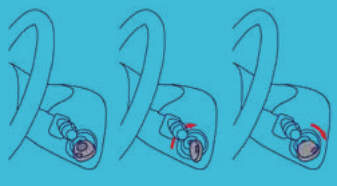
RETTBOX® ONE

1. Self-closing sliding cover.
2. Mobile plug with IP55 self-returning lid.
3. Male inlet 2 to 6 contacts. The air duct of the AIR version in included in the connector.
4. RETTBOX® ONE 20 A: casing in GRP.
5. Electric solenoid 12/24 V providing automatic ejection when the engine is started.

INFOS +

ENSURE SPEED AND SAFETY

1. Loading box connected to the electrical system of the vehicle.
2. Automatic ejection of the coupler socket upon start-up of the vehicle by way of an electric solenoid.
3. Protection against water and dust by means of a self-closing cover.



Switched off = charge

Starting = ejection

= protection

FIND ALL THE INFORMATION ABOUT THE RETTBOX® ONE ON OUR YOUTUBE CHANNEL

CONNECTION DIAGRAM BY TYPE

Power supply with 230 V AC or 400 V AC on-board battery charger.

❶ Starter key.
❷ RETTBOX® ONE.
❸ Mobile plug and RETTBOX® ONE cable.
❹ Auxiliary battery.
❺ 12/24 V DC on-board vehicle charger.

20 A

U MAX
440 V

RETTBOX® ONE
ELECTROMAGNETIC SELF-EJECTION

INSTRUCTIONS FOR USE

IP55 | 1,5 - 6 mm² (1) | GRP ▸ STAINLESS STEEL ▸ | IK08 IK10 | - 40 °C + 60 °C | 2 AUX.

(1) Flexible wiring (min.-max.)

RETTBOX® ONE

ENCLOSURE with inlet supplied with 4 m cable (2)

COUPLER SOCKET pre-wired, cable 4 m included (2)

220 - 250 V AC	1P+N+E	With 12 V relay and male inlet	6116015**RK412U**	6113015**RK4L**
220 - 250 V AC	1P+N+E	With 24 V relay and male inlet	6116015**RK424U**	6113015**RK4L**
220 - 250 V AC	1P+N+E+2 aux.	With 12 V relay and male inlet	6116175**RK412U**	6113175**RK4L**
220 - 250 V AC	1P+N+E+2 aux.	With 24 V relay and male inlet	6116175**RK424U**	6113175**RK4L**
24 V DC	2P DC*	With 24 V relay and male inlet	6116089**RK424U**	6113089**RK4L**
12 V DC	2P DC*	With 12 V relay and male inlet	6116059**RK412U**	6113059**RK4L**

*LED not available for these configurations.
(2) All versions are available in 4 and 8 m, contact us for the references.

OTHER FEATURES	
	RETTBOX® ONE (20 A)
Front	stainless steel
Box	GRP
Front dimensions (W x H) in mm	114 X 184
Cut-out dimensions on vehicle's frame (W x H x D) in mm	83 X 163 x 94
Auxiliary contacts in option	2 Aux
Weight (excluding coupler socket)	1 200 g
Built-in DECONTACTOR™	20 A

INFOS +

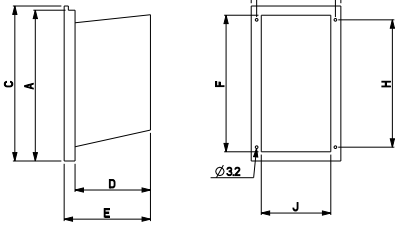
LED CONTROL LIGHT

RETTBOX® ONE (20 A, 230 V) feature a LED signal light that indicates the presence of charging voltage.

OPTIONS	Reference
LEATHER PULL-GRIP (COUPLER SOCKET)	
	611AZIE
CEILING BRACKET MADE OF STAINLESS STEEL	
RETTBOX® ONE 20 A	611AHUTRRR L

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

DRAWINGS AND DIMENSIONS



	A	B	C	D	E	F	G	H	J
RETTBOX® ONE 20 A	184	114	184	89	114	163	94	152	83

20 A

U MAX
440 V

RETTBOX® ONE AIR
ELECTROMAGNETIC SELF-EJECTION

INSTRUCTIONS FOR USE

IP55 | 1,5 - 6 mm² (1) | GRP ▸ STAINLESS STEEL ▸ | IK08 IK10 | - 40 °C + 60 °C | 2 AUX.

(1) Flexible wiring (min.-max.)

ENCLOSURE with inlet supplied with 4 m cable - compressed air conduct up to 13 bars(2)

COUPLER SOCKET pre-wired, cable 4 m included (2)

RETTBOX® ONE AIR

220 - 250 V AC	1P+N+E	With 12 V relay and male inlet	6116015**AK412U**	6113015**AK4L**
220 - 250 V AC	1P+N+E	With 24 V relay and male inlet	6116015**AK424U**	6113015**AK4L**
220 - 250 V AC	1P+N+E+1 aux.	With 12 V relay and male inlet	6116215**AK412U**	6113215**AK4L**
220 - 250 V AC	1P+N+E+1 aux.	With 24 V relay and male inlet	6116215**AK424U**	6113215**AK4L**
24 V DC	2P DC*	With 24 V relay and male inlet	6116089**AK424U**	6113089**AK4L**
12 V DC	2P DC*	With 12 V relay and male inlet	6116059**AK412U**	6113059**AK4L**
		Cable only (per metre): 611AK0M		

*LED not available for these configurations.
(2) All versions are available in 4 and 8 m, contact us for the references.

OTHER FEATURES	RETTBOX® ONE AIR (20 A)
Front	stainless steel
Box	GRP
Front dimensions (W x H) in mm	114 X 184
Cut-out dimensions on vehicle's frame (W x H x D) in mm	83 X 163 x 94
Auxiliary contacts in option	1 Aux
Weight (excluding coupler socket)	1 200 G
Built-in DECONTACTOR™	20 A
Compressed air duct	up to 13 bars

INFOS +

LED CONTROL LIGHT

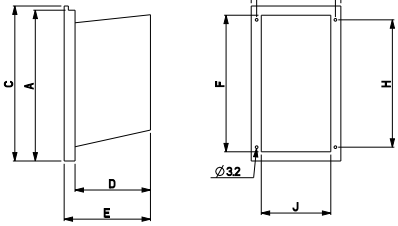
RETTBOX® ONE AIR (20 A, 230 V) feature a LED signal light that indicates the voltage presence.

OPTIONS		Reference
LEATHER PULL-GRIP (COUPLER SOCKET)		
		611AZIE
CEILING BRACKET MADE OF STAINLESS STEEL		
	RETTBOX® ONE AIR 20 A	611AHUTAAA L
CABLE AVAILABLE PER METRE (FOR PORTABLE SOCKET-OUTLET)		
	20 A cable, 1 compressed air conduit + 4g 2.5 mm² (3P+E) + 2 x 1.5 mm² for auxiliaries.	611AKOM

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

DRAWINGS AND DIMENSIONS

	A	B	C	D	E	F	G	H	J
RETTBOX® ONE AIR 20 A	184	114	184	89	114	163	94	152	83



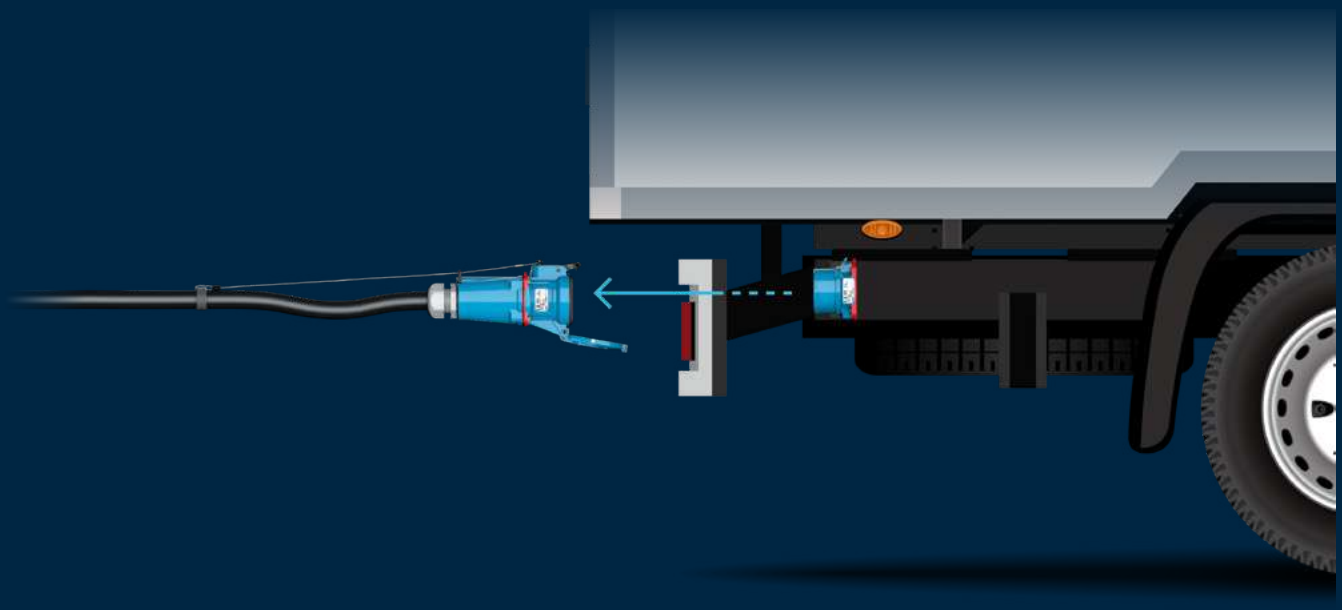
MECHANICAL EJECTION

IMMEDIATE RESPONSE TO MOBILITY NEEDS

OPTIMISES AND SECURES YOUR TASKS

GUARANTEES USER SAFETY AND PRESERVES EQUIPMENT INTEGRITY

Automatic ejection systems prevent damage to the electrical installation when moving mobile equipment. They are designed to automatically release the mobile plug or socket by means of a tension cord fitted between the socket-outlet and the power cable.



MAXIMUM SAFETY FOR USERS

Our system prevents sockets from being torn out, ensuring optimum safety by eliminating any potential electrical hazard, thus maintaining user safety.

RELIABLE CONNECTION EVEN IN THE MOST DIFFICULT CONDITIONS.

Robust and watertight, MARECHAL® products meet all the constraints and requirements of your work environments.

CONNECTIVITY MADE EASY

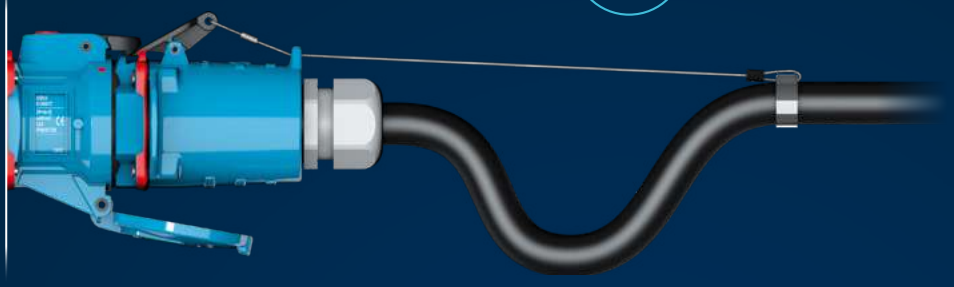
DSN/DS/DXN RANGES

20 A - 150 A

FIXED ELECTRIC POWER SUPPLY

Step 1

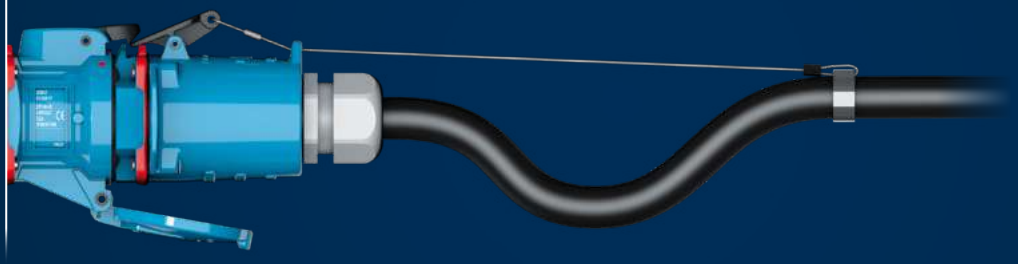
AT REST



Self-ejection system at rest.

Step 2

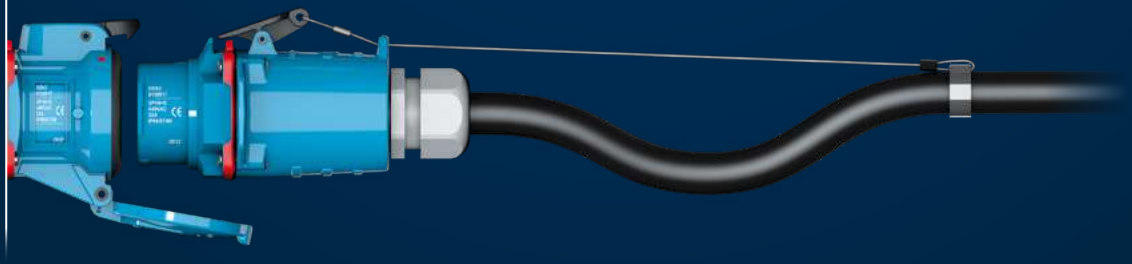
TRACTION



The traction acts on the electrical cable and the rope. The ejection lever gradually raises the latch.

Step 3

TRACTION

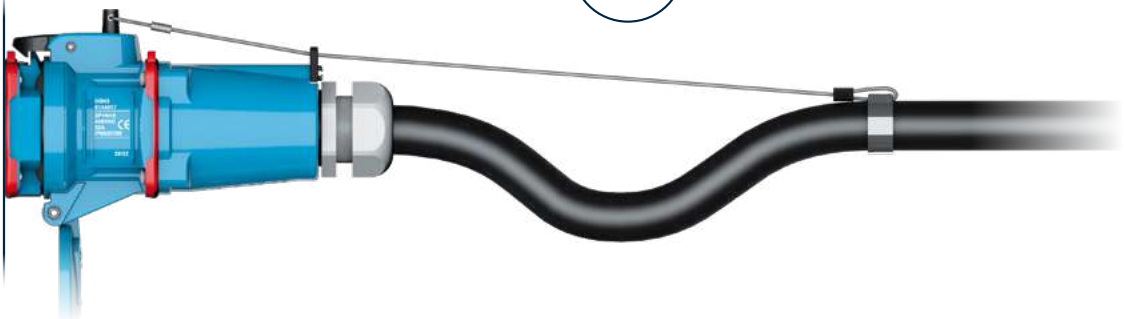


The latch is fully raised by the ejection lever, causing the automatic ejection of the plug.

MOBILE POWER SUPPLY SOURCE

Step 1

AT REST



Self-ejection system at rest.

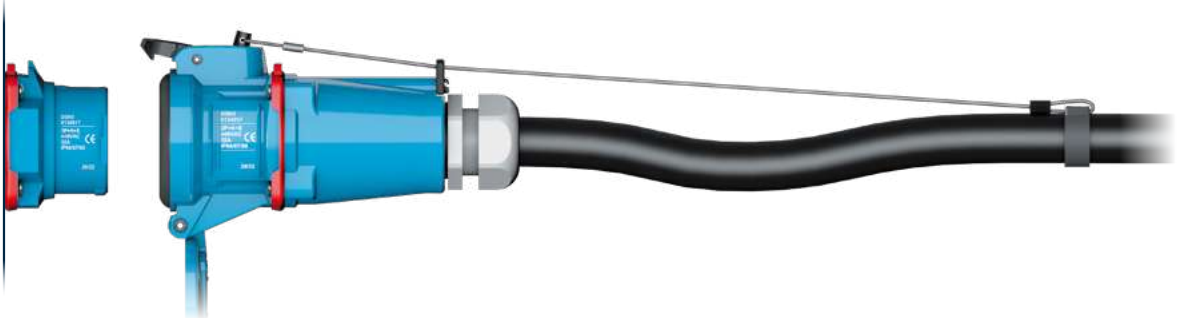
Step 2

TRACTION

The traction acts on the electrical cable and the rope. The latch rises gradually.

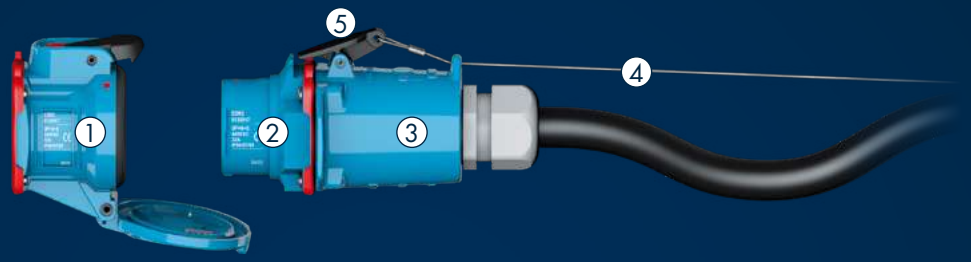
Step 3

TRACTION



The latch is fully raised, causing the automatic ejection of the socket.

FIXED ELECTRIC POWER SUPPLY EJECTING PLUG (INLET + HANDLE)



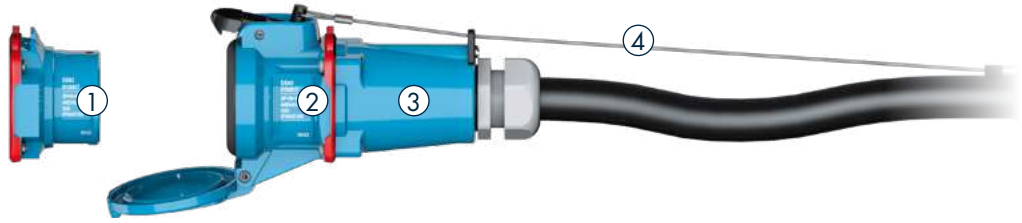
		SAFE AREA RANGE			ATEX RANGE	
		DSN1/DSN6/ DS3/DS6* (please contact us for DS9 metal and DS2)	**DSN3***	**DS1***	**DXN1/DXN6***	**DXN3***
1	Socket-outlet	Ref. standard socket + suffix 352	Ref. standard socket + suffix 352	Ref. standard socket + suffix 352	Ref. standard socket + suffix 352	Ref. standard socket + suffix 352
2	Inlet	Ref. standard inlet	Ref. standard inlet	Ref. standard inlet	Ref. standard inlet	Ref. standard inlet
3	Poly handles + rope guide	Ref. specific handles + suffix 443	If used **with** plug cap: ref. handles indicated with an orange dot ● If used **without** plug cap: ref. handles indicated with an orange dot + suffix 480 ●	Ref. handles indicated with an orange dot ●	See references in accessories pages DXN	If used **with** plug cap: ref. handles indicated with an orange dot ● If used **without** plug cap: ref. handles indicated with an orange dot + suffix 480 ●
4	Tension cord	311A336	311A336	311A336	251A336	251A336
5	Mechanism (ejection finger)	611A338 (DSN1) 616A338 (DSN6) 313A338 (DS3) 316A338 (DS6)	If used **with** plug cap: 613A338 If used **without** plug cap: the mechanism is already built into the handle.	311A338	251A338 (DXN1) 256A338 (DXN6)	If used **with** plug cap: 253A338 If used **without** plug cap: the mechanism is already built into the handle.

Refer to the relevant product pages for part numbers of inlets, socket-outlets and handles.

MECHANICAL SELF-EJECTING

DSN/DS1/DS3/DS6/DXN

MOBILE POWER SUPPLY SOURCE
EJECTING COUPLER SOCKET (HANDLE + SOCKET- OUTLET)



	SAFE AREA RANGE		ATEX RANGE	
	DSN1/DSN6/ DS3/DS6* (please contact us for DS9 metal and DS2)	DSN3/DS1*	DXN1/DXN6*	DXN3*
1 Inlet	Ref. standard inlet	Ref. standard inlet	Ref. standard inlet	Ref. standard inlet
2 Socket-outlet with ejection hook	Ref. standard socket + suffix 354	Ref. standard socket + suffix 354	Ref. standard socket + suffix 354	Ref. standard socket + suffix 354
3 Poly handles + eyelet	Ref. specific handles + suffix 443	Ref. handles indicated with an orange dot ●	See references in accessories pages DXN	Ref. handles indicated with an orange dot ●
4 Tension cord	311A336	311A336	251A336	251A336

* See the relevant product pages for the references of the plugs, socket-outlets and handles.

30 A

U MAX
250 V

ANTI ENGINE START UP PLUG PN

IP55	1-6 mm² (1) 1,5-10 mm² (2)	GRP METAL	▶ IK09 ▶ IK09	-40 °C +60 °C

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

GRP devices are not compatible with metal devices.

Standard self closing/ self returning lid

OTHER FEATURES

Reversed interior and contacts.

This PN features a special wiring configuration that prevents the vehicle from starting-up, if the plug is still connected. Safe operation is ensured and unintentional pull-out of the power supply system is avoided.

VEHICLE INLET
PN

SOCKET-OUTLET
on cable side
(cap is included)
PN

			With latch	Without latch	
GRP	190-250 V AC	1P+N+E +2aux.	0124017825A	0124017001A	0128017001A
METAL	190-250 V AC	1P+N+E +2aux.	0924017825A	0924017001A	0928017001A

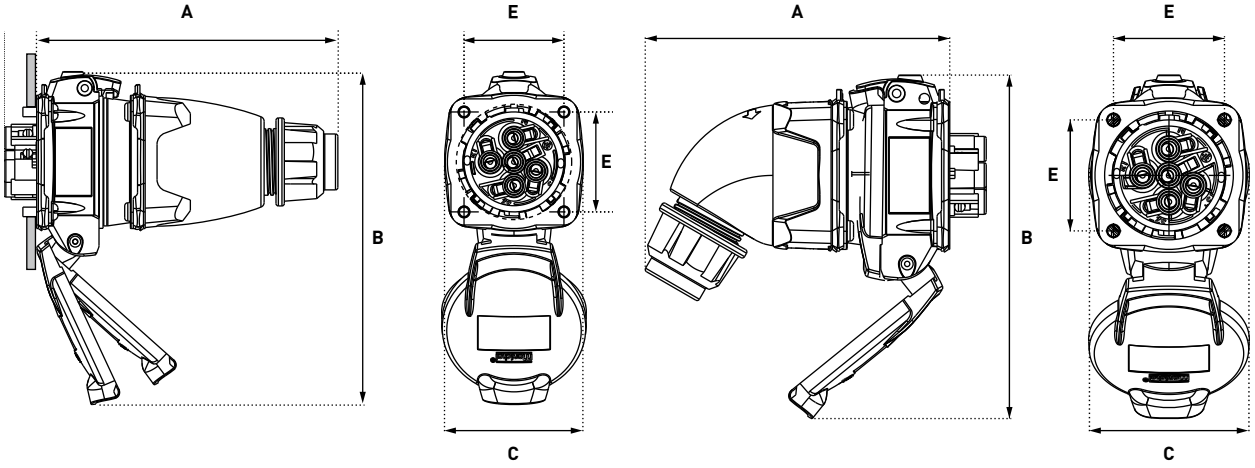
HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND		
	9-18 mm	511P0D18AG

HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND		
60°	9-18 mm	511P6D18AG

DRAWINGS AND DIMENSIONS

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

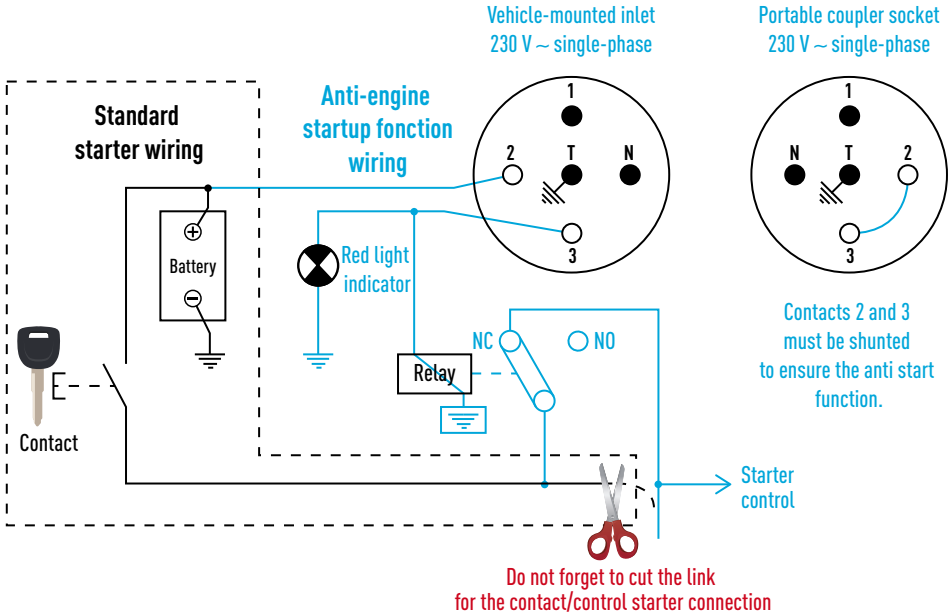
PLUG ON SOCKET-OUTLET



	A	B	C	E
Straight handle	127	140	58	42
Angled handle	117	138	61	42

WIRING DIAGRAM FOR THE VEHICLE-MOUNTED SOCKET-OUTLET (230 V AC)

(for information only)



20 A - 90 A

U MAX
400 V

DISTRIBUTION BOXES

POWER SUPPLY FOR AUXILIARY BATTERIES, AIR-CONDITIONNING UNITS, TRAILERS, TANKERS...

IP66
IP69 (1)

GRP

IK09

-40 °C
+60 °C

SAFE ELECTRICAL CONNECTIONS

our boxes ensure the safety of operators and the protection of mobile electrical installations.

(1) IP44 with domestic socket-outlets

OTHER FEATURES CD BOXES	
Fastenings	Captive stainless steel screws
Wiring capacity	2 x 1,5 mm² to 5 x 35 mm²
Cable entries	M50 max..
Housing dimensions (W x H x D) in mm	345 x 225 x 156
Assembly	10 modules max..

LIQUID GAS TRANSFER BOX TECHNICAL FEATURES	
Protection	30 mA
Earthing connection of the lorry is ensured.	
Fixation	300 x 300 mm
Height	470 mm
Depth	250 mm
Cable glands	M40 IP68 (Ø 20 - 32 mm)

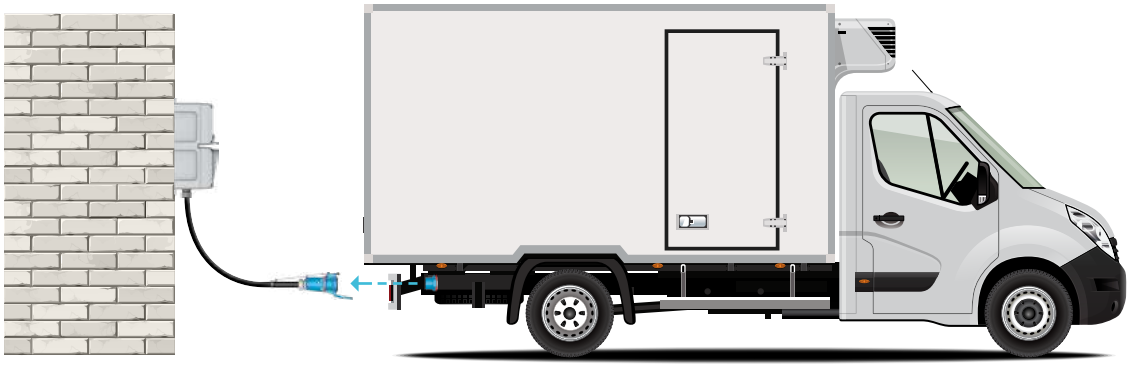
other configurations, circuit protection or dimensions are available on request. Please contact us.

EXAMPLES OF APPLICATIONS : PRE-WIRED BOX WITH DIFFERENTIAL PROTECTION FOR REMOTE POWER SUPPLY.

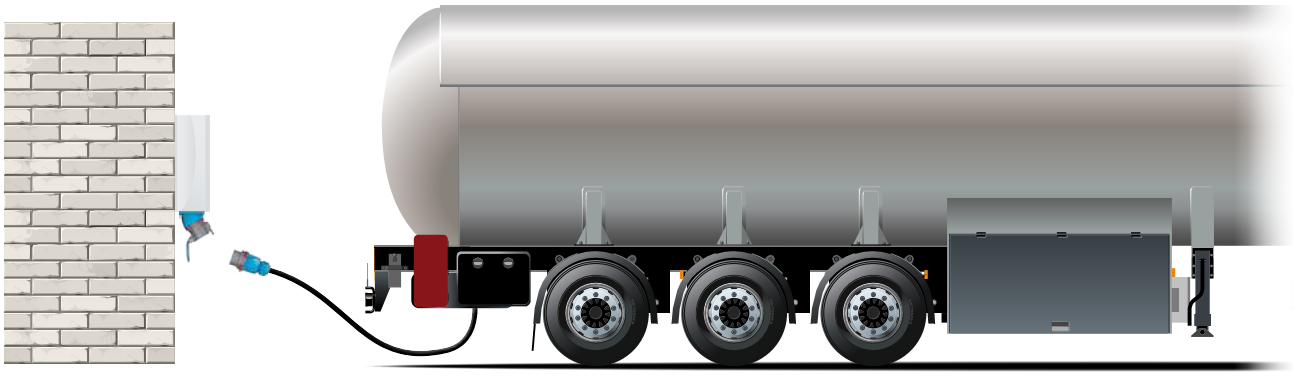
Contact us for the references.

CD box and RETTBOX®S for the power supply of a rescue vehicle.

CD box and self-ejection plug for the power supply of a refrigerated vehicle.



Liquid gas transfer box for power supply of a tanker.



Specific documentation is available for these applications.

BOXES

DISTRIBUTION AND JUNCTION

P. 218

CD DISTRIBUTION BOX

IP66/IP69
water-and dust-tight

From 16 A up to 90 A

30 mA residual current protection, AC type as standard.

Composed of two parts fixed on hinges

Prewired with easy access to the connection terminals

P. 222

B2 JUNCTION BOXES

IP66/IP67
water-and dust-tight

2 Dimensions (120x120x91 mm and 160x160x91 mm)

Up to two drilled hole per side

P. 224

SB JUNCTION BOXES

Ideal solution for corrosive environment.

AISI 316L stainless steel.

Max. dimensions 950x750x200mm

Hinged lid.

Internal mounting plate included.

Optionnal drilled holes up to M80.

CUSTOMISED SOLUTIONS

P. 248

BOXES

EXTENSIONS

CABLE REELS

In direct connection with its production of industrial electrical socket-outlets, MARECHAL ELECTRIC has the internal skills to offer you complete customized solutions. From cable assemblies to power distribution boxes.

SOLUTIONS FOR TUNNEL APPLICATIONS PLEASE REFER TO PAGE 226

16 A - 90 A

U MAX
440 V

DISTRIBUTION BOXES CD

Casing features :

IP66 IP69 (1)	GRP (1)	IK09 (1)	-40 °C +60 °C (1)	2 x 1,5 mm² 5 x 35 mm²

(1) These characteristics may be modified by the installation of certain components (e.g. IP44 domestic sockets).

OTHER FEATURES	
Intensity	from 16 A to 90 A
Differential protection 30 mA, type AC as standard (other types available upon request)	
Housing dimensions (HxWxD) in mm	345x225x156 mm - Drilling M50 max.
Assembly	10 modules max.
2 hinged front panels	
Pre-wired with quick access to the wiring area	
Fastenings	Captive stainless steel screws
Glow wire test according to IEC/EN 60695-2-12 standard	650 °C
Halogen-free	
Copper-free	
Possibility of insulation class II	
Isolation voltage	1 000 V AC/V DC

INFOS +

The CD box can be mounted on a support.
Support frame ref.: 9CHAS-CD

Other configurations on request.
Please contact us where applications require more than 2 outlets.

VARIOUS POSSIBLE CONFIGURATIONS

UNOUTFITTED VERSIONS

Unoutfitted versions are available to offer you additional mounting options based on your specific needs.
Whichever version you choose, the front panels are hinged and supplied with two DIN rails.
These references do not include any drillings or accessories such as cable glands.

Inspection window
+ slanted plate
Reference :
616A053CDWA(1)

Inspection window
+ flat plate
Reference :
616A053CDWP(1)

Inspection
window
Reference :
616A053CDWW(1)

Flat plate
+ slanted plate
Reference :
616A053CDPA

Slanted plates
Reference :
616A053CDAA

Flat plates
Reference :
616A053CDPP

(1) These references do not include protection components (fuses, circuit breakers, etc.).

TYPICAL EXAMPLE IN EQUIPPED VERSION

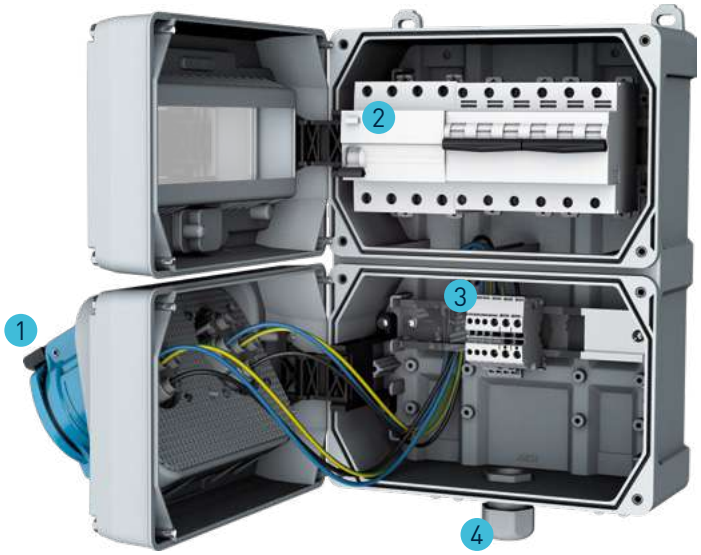
The CD boxes are compatible with our ranges of sockets-outlets and switch disconnectors: EVO, PN/PNC, multicontact up to 37C, DSN1/3/6, DS1/3/6.

1

DECONTACTOR™ DSN1
16 A - 1P+N+E
220-250 V

+

DECONTACTOR™ DSN3
32 A - 3P+N+E
220-250 V/380-440 V



2

PROTECTION
- Main switch with RCD 30 mA 1x40 A 3P+N
- Circuit breaker PC1 : 1x16 A 1P+N
- Circuit breaker PC2 : 1x32 A 3P+N

3

TERMINAL
3P+N+E 16 mm²

4

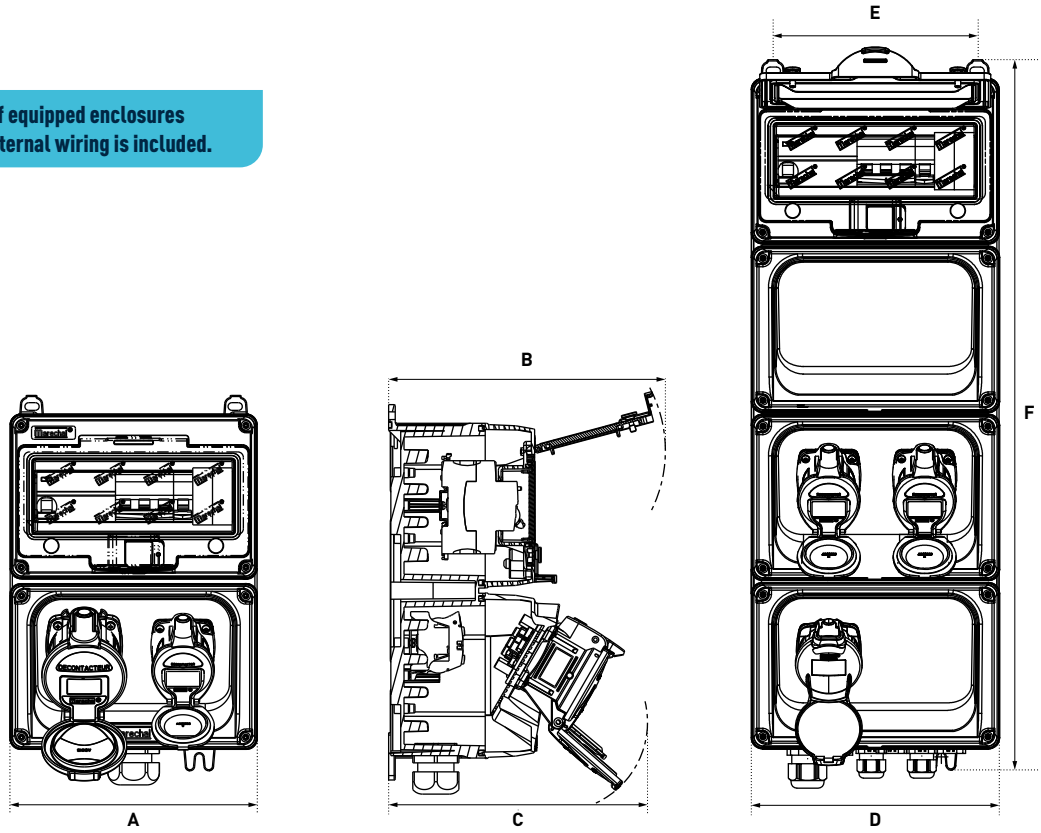
CABLE GLAND
M32 Poly (14-25 mm)

INSIDE BOX COMPOSITION

Box	Main switch with RCD 30 mA	Circuit breaker Socket 1	Circuit breaker Socket 2	Terminal	Cable gland mm
CD1		1x16 A 1P+N 30 mA		1P+N+E 16 mm²	M25 POLY (9-18)
CD2	1x25 A 1P+N	1x16 A 1P+N	1x16 A 1P+N	1P+N+E 16 mm²	M25 POLY (9-18)
CD3		1x16 A 3P+N 30 mA		3P+N+E 16 mm²	M25 POLY (9-18)
CD4		1x16 A 3P 30 mA		3P+E 16 mm²	M25 POLY (9-18)
CD5	1x25 A 3P+N	1x16 A 3P+N	1x16 A 3P+N	3P+N+E 16 mm²	M25 POLY (9-18)
CD6*		+ 2 fuses 6 A Gg		1P+N+E 16 mm²	M25 POLY (9-18)
CD7	1x25 A 1P+N	1x16 A 1P+N	1x16 A 1P+N	1P+N+E 16 mm²	M25 POLY (9-18)
CD8		1x32 A 1P+N 30 mA		1P+N+E 16 mm²	M32 POLY (14-25)
CD9	1x40 A 1P+N	1x32 A 1P+N	1x32 A 1P+N	3P+N+E 16 mm²	M32 POLY (14-25)
CD10		1x32 A 3P+N 30 mA		3P+N+E 16 mm²	M32 POLY (14-25)
CD11	1X40 A 3P+N	1x32 A 3P+N	1x32 A 3P+N	3P+N+E 16 mm²	M32 POLY (14-25)
CD12	1x40 A 3P+N	1x16 A 1P+N	1x32 A 3P+N	3P+N+E 16 mm²	M32 POLY (14-25)
CD13	1x40 A 3P+N	1x16 A 1P+N	1x32 A 3P+N	3P+N+E 35 mm²	M40 POLY (18-32)
CD14	1x40 A 3P+N	1x16 A 1P+N	1x32 A 3P+N	3P+N+E 16 mm²	M32 POLY (14-25)
CD15		1x63 A 3P+N 30 mA		3P+N+E 16 mm²	M40 POLY (18-32)
CD16*	1x25 A 3P+N	+ 2 fuses 6 A Gg	1x16 A 3P+N	3P+N+E 16 mm²	M32 POLY (14-25)

* CD6 and CD16 boxes are equipped with a 160 VA 230 V/24 V transformer. Maximum operating temperature: 40 ° C

For the of equipped enclosures versions, internal wiring is included.



A	B	C	D	E	F
225	252	236	225	185	646

Type	French standard socket 16 A - 230 V	16 A socket	16 A socket			32 A socket		63 A socket	Associated* MARECHAL® DECONTACTOR™	
		24 V	190-250 V	380-440 V	190-250 V 380-440 V	190-250 V	190-250 V 380-440 V	190-250 V 380-440 V		
Box	**2P+E**	**2P**	**1P+N+E**	**3P+E**	**3P+N+E**	**1P+N+E**	**3P+N+E**	**3P+N+E**	**DSN range**	**DS range**
CD1			1						6114015CD1	3114015CD1
CD2			2						6114015CD2	3114015CD2
CD3					1				6114017CD3	3114017CD3
CD4				1					6114013CD4	3114013CD4
CD5					2				6114017CD5	3114017CD5
CD6*		1							611408ACD6	311408ACD6
CD7	1		1						6114015CD7	3114015CD7
CD8						1			6134015CD8	3134015CD8
CD9						2			6134015CD9	3134015CD9
CD10							1		6134017CD10	3134017CD10
CD11							2		6134017CD11	3134017CD11
CD12			1				1		6134017CD12	3134017CD12
CD13			1				1		6134017CD13	3134017CD13
CD14	1						1		6134017CD14	3134017CD14
CD15								1	6164017CD15	
CD16*		1 (PN range)			1				6114017CD16	3114017CD16

* CD6 and CD16 boxes are equipped with a 160 VA 230V/24V transformer. Maximum operating temperature: 40 °C.

JUNCTION BOXES B2

IP66
IP67

2 x 1,5 mm²
5 x 16 mm²

GRP

IK08

-40 °C
+60 °C

OTHER FEATURES	
Two dimensions (W x H x D) in mm	120x120x91, up to two drilled holes per side (M32 max.) 160x160x91, up to two drilled holes per side (M32 max.)
Fastenings	Captive stainless steel screws
Glow-wire flammability index according to IEC/EN 60695-2-12	850 °C.
Halogen-free	
Copper-free	
Possibility of insulation class II	
Isolation voltage	1 000 V AC/V DC.

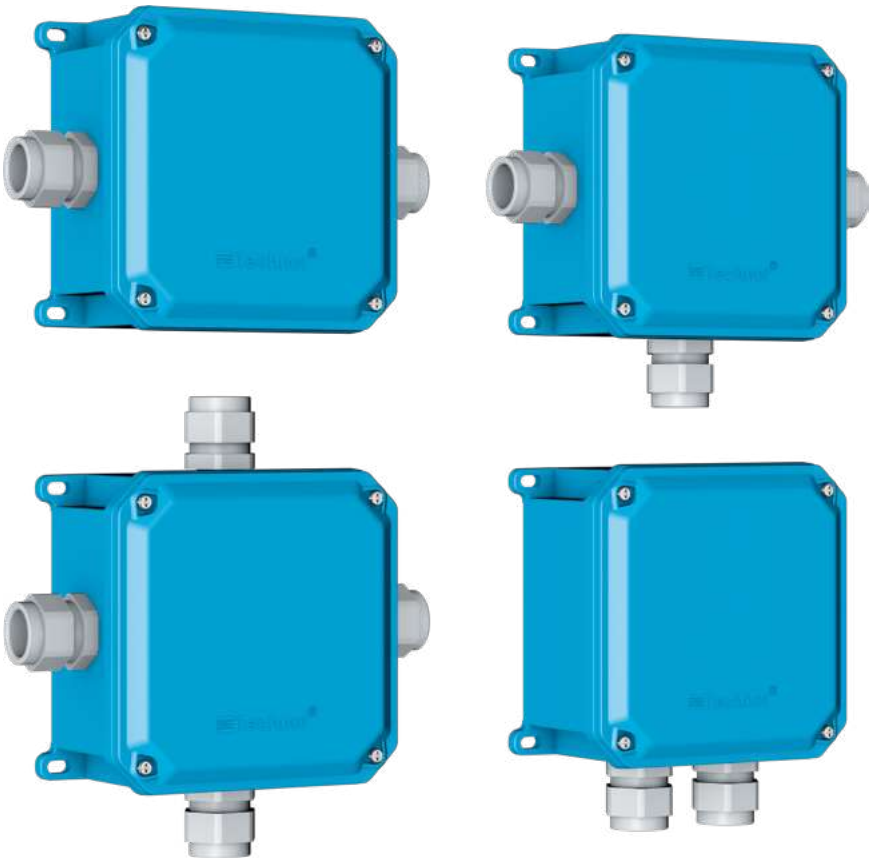
Box are supplied with a DIN rail and without drilled holes as a standard.

Please contact us for your specific configurations.

TYPE	REFERENCE
Empty box 120x120x91*	509ACP1
Empty box 160x160x91*	509ACP2

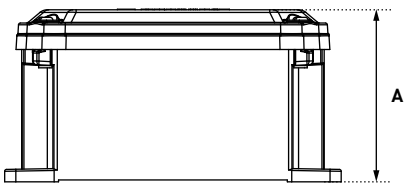
*hinges are not included, earthing bar on request.

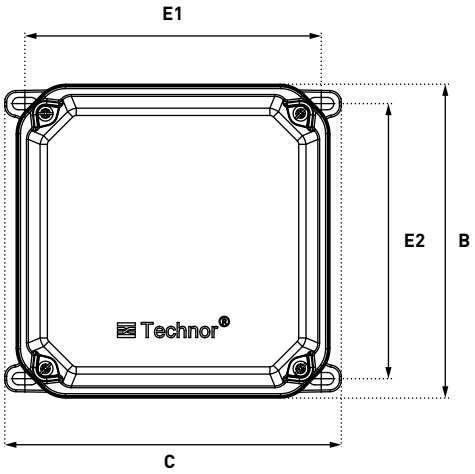
EXAMPLE OF CONFIGURATIONS



DRAWINGS AND DIMENSIONS

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com





	A	C	B	E1	E2
120x120	91	141	126	117	106
160x160	91	178	166	157	146

JUNCTION BOX SB

IP66
IP67

STAINLESS STEEL
316L

IK10

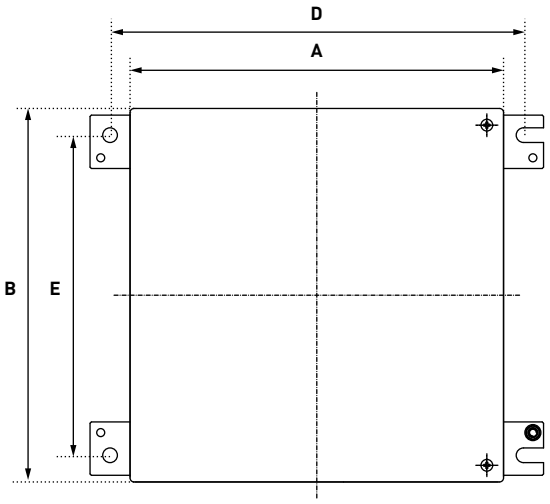
-50 °C
+105 °C

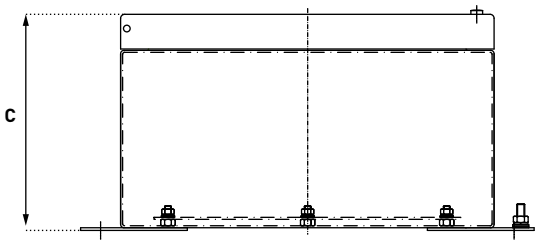
The SB is an IP66/IP67 junction box used for the most severe applications as in the food and beverage industry.
All boxes sizes except the 150x150x100 version are equipped with:
- an internal mounting plate
- an earthing terminal
- a cable entry plate placed in the lower part of the box.

OTHER FEATURES	
Material	Stainless steel 316L - 1.5mm thickness
Fastenings	Stainless steel
Drilling (for cable glands)	Up to M80
Hinged lid with silicon sealing	

DRAWINGS AND DIMENSIONS

DOWNLOAD
THE DRAWINGS
ON OUR WEBSITE
marechal.com





REFERENCE	DIMENSIONS [mm]				
	A	B	C	D	E
B016Y12064815*	150	150	100	180	-
B016Y12064816	200	200	160	230	160
B016Y12064817	280	280	160	310	240
B016Y12064818	350	350	160	380	310
B016Y12064819	380	380	200	410	340
B016Y12064820	500	500	200	530	460

* Only fitted with a rail DIN.

SOLUTIONS FOR TUNNELS

BOXES AND CONNECTORS

JUNCTION BOXES

MODEL		APPLICATION	CONDUCTOR SECTION
	EXPRESS® XL	STANDARD LIGHTING	From 2.5 mm^2 to 35 mm^2
	EXPRESS®	STANDARD LIGHTING	From 2.5 mm^2 to 35 mm^2
	B2 FIRE-RESISTANT	EMERGENCY LIGHTING	From 1.5 mm^2 to 6 mm^2
	EXPRESS® XL FIRE-RESISTANT	EMERGENCY LIGHTING	From 4 mm^2 to 35 mm^2
	EXPRESS® FIRE-RESISTANT	EMERGENCY LIGHTING	From 4 mm^2 to 35 mm^2
	EQINOX FIRE-RESISTANT	EMERGENCY SIGNALLING, SIGNPOSTING	From 25 mm^2 to 120 mm^2

BOXES AND CONNECTORS

MODEL		APPLICATION
	FIRE DEPARTMENT BOX	SAFETY REFUGE
	SAFETY BOXES	SAFETY REFUGE
	DS F400	FANS AND SMOKE VENTILATORS

CABLE	STANDARDS	PAGE
Through boxes with or without cable termination Multi conductors (Ø 13 to 29 mm)	/	p. 230
Through boxes with or without cable termination Single or multi conductors (Ø 9 to 28 mm)	/	p. 232
Through boxes with cable termination Single or multi conductors (Ø 2.5 à 25 mm)	NF C 32-070 (DIN 4102-12 à venir)	p. 234
Through boxes with or without cable termination Multi-conductors (Ø 13 to 29 mm)	NF C 32-070 DIN 4102-12/E30	p. 236
Through boxes with or without cable termination Single or multi conductors (Ø 9 to 28 mm)	NF C 32-070 EN 50362 DIN 4102-12/E30	p. 238
Through boxes with cable termination Single or multi conductors	NF C 32-070 DIN 4102-12/E60	p. 240

FUNCTION	STANDARDS	PAGE
Connection of electrical equipment for rescue teams inside tunnels.	/	p. 242
Communication between different rescue teams inside tunnels.	NF C 32-070	p. 244
Local isolation for fans and smoke ventilators (400 °C/2h)	IEC/EN 60947-3 EN 12101-3	p. 246

SOLUTIONS FOR TUNNELS

MARECHAL ELECTRIC proposes a wide range of products dedicated to the electric connections for tunnels. Based on technology specially designed for such difficult environments and the quick disconnections of lights, MARECHAL ELECTRIC has already equipped more than 22 000 km of underground roads, railroads and inland waterways…

our objectives remain the same: to provide user safety, optimise maintenance and make the work of the emergency services easier.

PRODUCTS SUITED FOR SPECIAL TUNNEL ENVIRONMENTS

Very often in a tunnel, there is dust, stone projections, smoke, gas, moisture, water streaming and, of course, pollution.
Electric connections in tunnels are subjected to extremely corrosive conditions.
Designed to withstand such conditions, MARECHAL® boxes equipped with connectors or decontactors provide safe solutions for tunnel maintenance.

WATERTIGHTNESS

All boxes are watertight and withstand the use of high-pressure washing during tunnel maintenance.

CORROSION AND IMPACT RESISTANCE HALOGEN AND SMOKE FREE

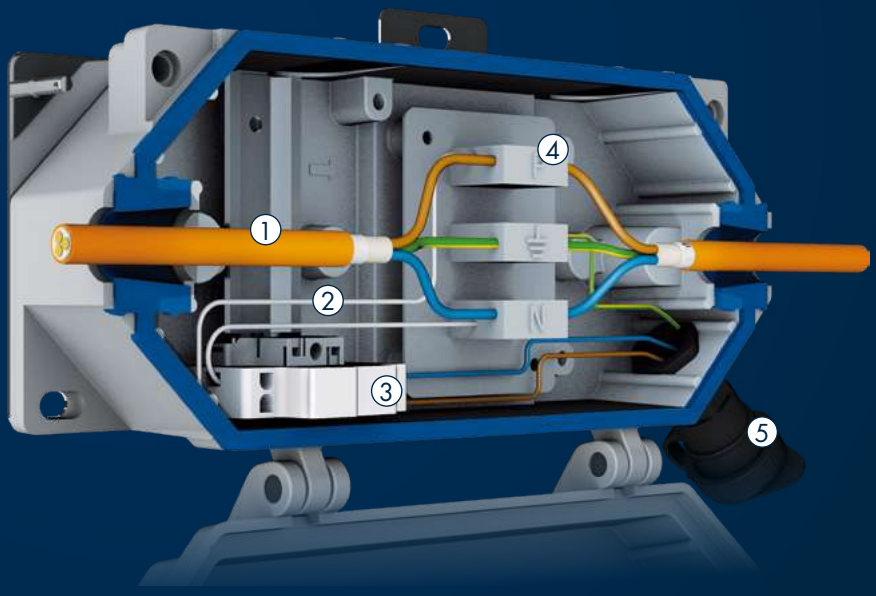
For optimum safety, the materials used for making Marechal® boxes and connectors are resistant to corrosion and impact (resistance IK09).
In case of fire, these materials emit a limited amount of non dangerous smoke.

QUALITY CONNECTION AND EASY DISCONNECTION: USE OF BUTT-CONTACTS

Easy disconnection = easy maintenance: thanks to the MARECHAL® silver-nickel butt-contact technology, the contacts never weld.
Therefore, the connection quality remains absolutely stable, and the disconnection can be done any time, even after several years.

TYPICAL WIRING DIAGRAM OF OUR JUNCTION BOXES.

❶ Main power supply (fire resistant).
❷ Thermal fuse.
❸ Overload protection.
❹ Junction terminal.
❺ Secondary output.



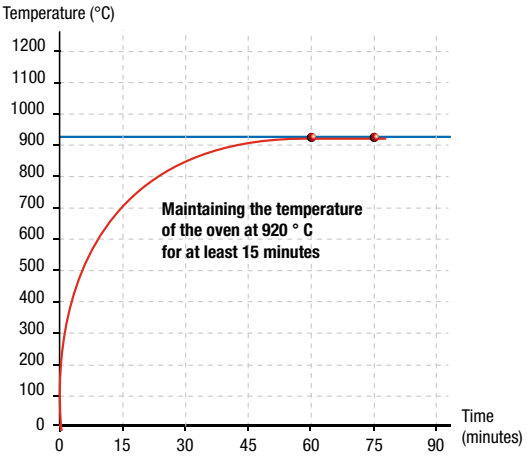
STANDARDS AND CERTIFICATIONS

The use of Marechal solutions for tunnels facilitates the compliance of your infrastructure to:

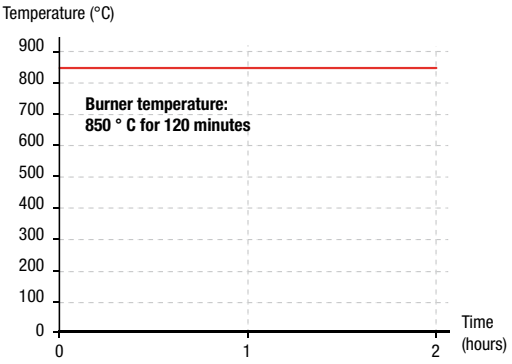
- European Directive 2004/54/EC relating to tunnels in the road networks across Europe in terms of safety measures,
- for the transposition of the European Directive,
- in France:
  - to the application of text in the Highway Code relating to the safety of people in tunnels, as well as to inter-ministerial circulars No 2006-20 and 2000-63 (Annexe 2) on safety in tunnels and road networks.
  - the requirements of the CETU guide defining the behaviour of fire in road tunnels,
  - according to the text relating to the Transport Code in terms of safety equipment.

MARECHAL® solutions for tunnels are compliant with the following fire resistance standards:

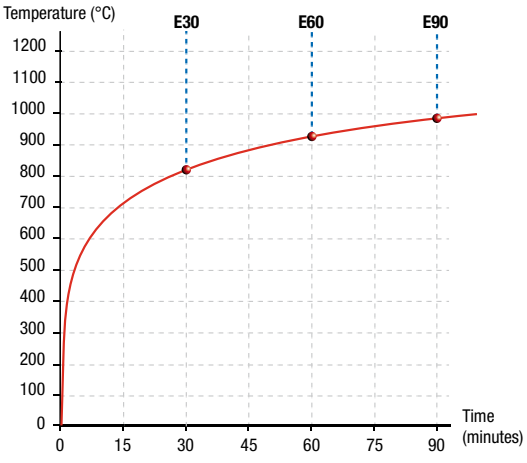
- EN 50362 (Europe) tested by the IMQ Italy laboratory,
- NF C 32-070 (France) tested by the laboratory C.S.T.B France,
- DIN 4102-12 (Germany) tested by the laboratory MPA Dresden GmbH,
- EN 12101-03 (Europe) tested by the laboratory EFECTIS France.



Oven temperature curve - Standardized time
NF C 32-070 standard



Flame temperature curve - Time
NF EN 50362 standard



Over temperature curve - Time
DIN 4102 standard

BOX EXPRESS® XL

IP66 GRP IK09

OTHER FEATURES	
Service terminals	2 to 5 insulation-piercing.
Service protection	By circuit breaker fitted to DIN rail.
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 2,5 mm² to 35 mm², with an external diameter 13 to 29mm. Configuration with cable cut is also possible.
Earthing point	Inside and outside the enclosure.
Fire smoke class	M1F0
Self extinguishing material	UL94 V-0

Modularity box Options Other equipment	• Secondary line wiring with MARECHAL® socket-outlet. • Accessories for fixing box to cable tray or ladder (option). • "Power On" signal light (option).

DRAWINGS AND DIMENSIONS

JUNCTION BOX WITH OR WITHOUT THE NEED TO CUT THE CABLE

Made from halogen-free glass fibre reinforced polyester compound, these boxes allow a service tap-off from the main through cable with or without the need to strip or cut the main cable. Gaskets allow the immediate positioning of cables with a maximum diameter of 29 mm whilst creating an IP66 seal. The box lid mounted on a stainless steel axis is fixed to the box by means of captive stainless steel screws.

BOX EXPRESS® XL

Type	H x W x D in mm	Distribution
91250	175 x 362 x 99	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands

STANDARD LIGHTING

BOX EXPRESS®

IP66 GRP IK09

OTHER FEATURES	
Service terminals	2 to 5 insulation-piercing.
Service protection	By circuit breaker fitted to DIN rail
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 2,5 mm² to 35 mm², with an external diameter 9 to 28 mm. Configuration with cable cut is also possible.
Earthing point	Inside and outside the enclosure
Fire smoke class	M1F0
Self extinguishing material	UL94 V-0

Modularity box Options Other equipment	• Secondary line wiring with MARECHAL® socket-outlet. • Accessories for fixing box to cable tray or ladder (option). • "Power On" signal light (option). • Plate for external fixing. • Gasket for two cables*.

*Contact us for more details.

DRAWINGS AND DIMENSIONS

JUNCTION BOX WITH OR WITHOUT THE NEED TO CUT THE CABLE

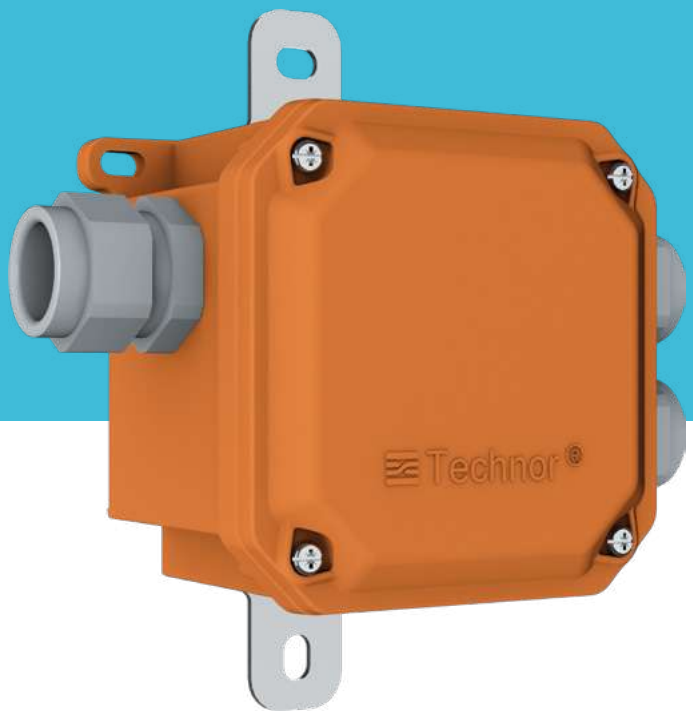
Made from halogen free glass fibre reinforced polyester compound, these boxes allow a service tap-off from the main through cable with or without the need to strip or cut the main cable. “Snail” type gaskets allow the immediate positioning of cables with a maximum diameter of 28 mm whilst creating an IP66 seal. The box lid, fitted with a retaining cord, is fixed to the box by means of captive stainless steel screws.

BOX EXPRESS®

Type	H x W x D in mm	Distribution
91150	191 x 254 x 111	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands

EMERGENCY LIGHTING

BOX B2 FIRE-RESISTANT
NF C 32-070
(DIN 4102-12 TO COME)



IP66 IP67	2 x 1,5 mm² to 5 x 6 mm²	GRP	IK08	E90

OTHER FEATURES

Electrical continuity of the main power supply is guaranteed according to NF C 32-070 (DIN 4102-12).

Service terminals	2 to 5 ceramic-isolated steel junction terminals mounted on a specific stainless steel rail fixed to the wall through a stainless steel base plate.
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 1.5 mm² to 6 mm².
Earthing point	Inside and outside the enclosure.
Modularity box - Options Other equipment	• Secondary line wiring with MARECHAL® socket-outlet*. • Accessories for fixing box to cable tray or ladder.

*Contact us for more details.

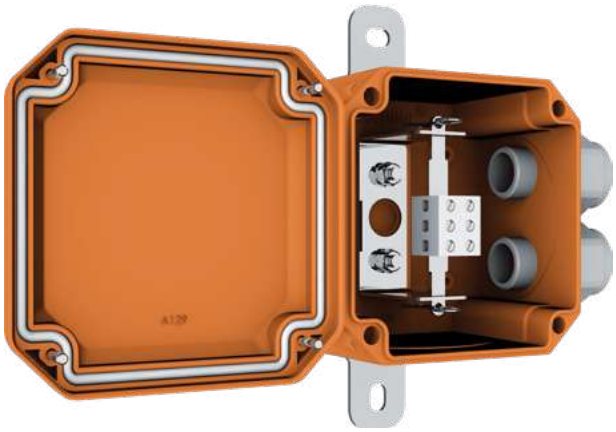
DRAWINGS AND DIMENSIONS

FIRE-RESISTANT JUNCTION BOX

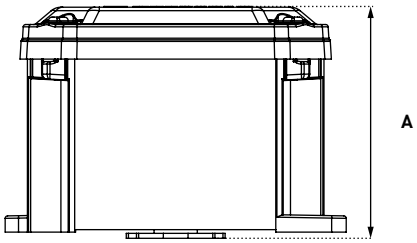
Made from polyamide, these boxes ensure the junction between one or more main through fire-resistant cables. The inter-connection of crossing cables is performed thanks to ceramic-isolated steel junction terminals mounted on a specific steel rail. The box lid, which can be mounted on hinges as an option, is fixed by means of captive stainless steel screws.

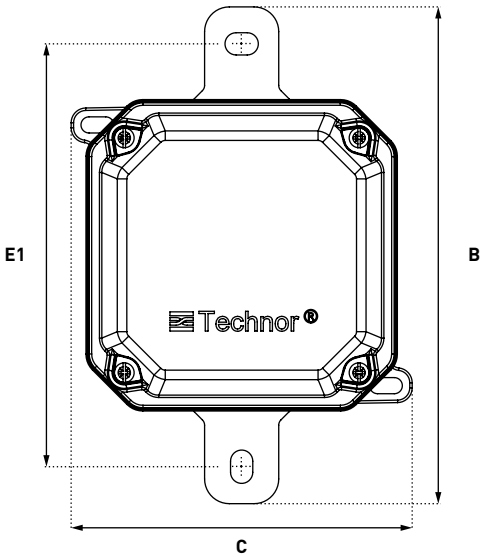
BOX B2 FIRE-RESISTANT

Reference	W x H x D in mm	Distribution
91321	120 x 120 x 91	Maximum 4 tap-offs using glands
91361	160 x 160 x 91	Maximum 4 tap-offs using glands



DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com





	A	E1	B	C
120x120	94	171	201	138
160x160	94	215	245	178

BOX EXPRESS® XL FIRE-RESISTANT

NF C 32-070/DIN 4102-12

IP66 | GRP | IK09 | NF C 32-070 DIN 4102-12

OTHER FEATURES

Electrical continuity of the main line is guaranteed according to NF C 32-070/DIN 4102-12 - E30 classification.

Tapping terminals	Quantities : up to 5 stainless steel terminals Technology: Insulation piercing terminal, fixed on a ceramic base (NF C 32-070/DIN 4102-12), or aerial (DIN 4102-12). Fixing: Wall mounted stainless steel plate by means of the box's plate.
Tapping protection	By circuit breaker fitted to DIN rail
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 4 mm² to 35 mm², with an external diameter 13 to 29 mm. Configuration with cable cut is also possible.
Earthing terminal	Inside and outside the enclosure
Fire smoke class	M1F0
Self extinguishing material	UL94 V-0
Modularity box - Options Other equipment	• Secondary line wiring with MARECHAL® socket-outlet. • Accessories for fixing box to cable tray or ladder (option). • "Power On" signal light (option). • Possibility to use non-perforating terminals.

DRAWINGS AND DIMENSIONS

JUNCTION BOX WITH OR WITHOUT THE NEED TO CUT THE CABLE

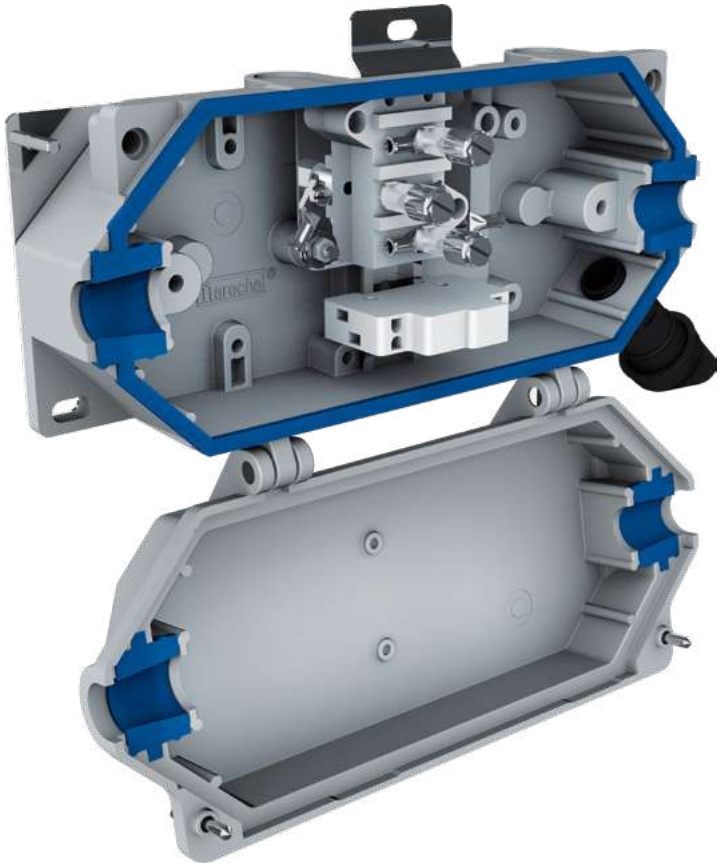
Made from halogen-free glass fibre reinforced polyester compound, these boxes allow a service tap-off from the main through cable with or without the need to strip or cut the main cable. Gaskets allow the immediate positioning of fire resistant cables with a maximum diameter of 29 mm whilst creating an IP66 seal. The box lid mounted on a stainless steel axis is fixed to the box by means of captive stainless steel screws.

BOX EXPRESS® XL FIRE-RESISTANT **NF C 32-070**

Type	Terminals	H x W x D in mm	Distribution
91251	Ceramic	175 x 362 x 99	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands

BOX EXPRESS® XL FIRE-RESISTANT **DIN 4102-12**

Type	Terminals	W x H x D in mm	Distribution
91252 91253	Ceramic Loose	175 x 361 x 99	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands



BOX EXPRESS® FIRE-RESISTANT

NF C 32-070/EN 50362/DIN 4102

IP66 GRP IK09 NF C 32-070 EN 50362/E30 DIN 4102

OTHER FEATURES

Electrical continuity of the main power supply is guaranteed according to NF C 32-070/EN 50362 - 850°C/120min classification and DIN 4102 classification E30.

Service terminals	Quantités : Jusqu'à 5 bornes inox. Technologie : Borne à perforation d'isolant, montée sur une embase céramique (NF C 32-070/ EN 50362), ou volante (EN 50362). Fixation : Platine inox, solidaire du mur par l'intermédiaire de la platine de fixation du coffret.
Service protection	By circuit breaker fitted to DIN rail
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 4 mm² to 35 mm² with an external diameter 9 to 28 mm.
Earthing point	Inside and outside the enclosure
Fire smoke class	M1F0
Self extinguishing material	UL94 V-0
Modularity box Options Other equipment	• Secondary line wiring with MARECHAL® socket-outlet. • Accessories for fixing box to cable tray or ladder (option). • "Power On" signal light (option). • Possibility to use non-perforating terminals. • Gasket for two cables*.

*Contact us for more details.

DRAWINGS AND DIMENSIONS

FIRE-RESISTANT JUNCTION BOX

Made from halogen free glass fibre reinforced polyester compound or thermoplastic, these boxes allow a service tap-off from the main through cable without the need to strip or cut the main cable. “Snail” type gaskets allow the immediate positioning of fire resistant cables with a maximum diameter of 28 mm whilst creating an IP66 seal. The box lid, fitted with a retaining cord, is fixed to the box by means of captive stainless steel screws.

BOX EXPRESS® FIRE-RESISTANT **NF C 32-070**

Type	Terminals	H x W x D in mm	Distribution
91151	Ceramic	191 x 254 x 111	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands

BOX EXPRESS® FIRE-RESISTANT **EN 50362**

Type	Terminals	H x W x D in mm	Distribution
91154	Loose	191 x 254 x 111	- Maximum 2 tap-offs using 2 sockets - Maximum 4 tap-offs using glands

BOX EQINOX FIRE-RESISTANT

NF C 32-070 + DIN 4102-12/E60

IP66/IP67

AISI 316L STAINLESS STEEL

IK10

NF C 32-070
DIN 4102-12/E60

OTHER FEATURES

Electrical continuity of the main power supply is guaranteed according to NF C 32-070 (91141 type) and DIN 4102-12 (91142 type)

Service terminals	2 to 7 insulation-piercing, stainless steel terminals, fitted into a ceramic base.
Service protection	By circuit breaker fitted to DIN rail
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 25 mm² to 120 mm²
Earthing point	Inside and outside the enclosure
Fire smoke class	M0

Modularity box	
Options	• Secondary line wiring with MARECHAL® socket-outlet.
Other equipment	• "Power On" signal light (option).

DRAWINGS AND DIMENSIONS

FIRE-RESISTANT JUNCTION BOX

Made from AISI 316L stainless steel, these boxes ensure the junction between one or more main through fire-resistant cables (in compliance with NF C 32-070 or DIN 4102 or E30/E60/E90 type) Cable glands are fire-resistant and the inter-connection of crossing cables is performed thanks to stainless steel terminals mounted on ceramic plates.
The box lid mounted on hinges is fixed by means of captive stainless steel screws.

BOX EQINOX FIRE-RESISTANT

Type	Norm	W x H x D in mm	Distribution
91141 91142	NF C 32-070 DIN 4102-12	140x200x130 200x270x130 270x350x130 350x350x160 350x500x160 500x500x160	Cable glands or MARECHAL® socket-outlets. Number of inputs/outputs depending on configuration.

FIRE BOXES

TUNNEL REFUGE POINT

IP65	ALUMINIUM	IK09
IP66/IP69	GRP	IK09

OTHER FEATURES	
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 2.5 mm² to 25 mm²
Service protection	30 mA differential breaker
Earthing point	Inside and outside the enclosure

DRAWINGS AND DIMENSIONS

ALUMINIUM BOX

Especially developed in collaboration with emergency services who specialise in tunnel rescue, this box is installed in a refuge point. Made from aluminium, this box is composed of a back plate, an inclined cover with mounted socket-outlets and an inspection window.
Power supply of this box is performed using 5G16 cables (max. conductor section). The box lid is fixed by means of captive stainless steel screws.

ALUMINIUM box

Type	H x W x D in mm	Distribution
91277	345 x 280 x 125	One or two MARECHAL® socket-outlet can be mounted on the inclined cover.

THERMOPLASTIC BOX

Natural evolution of the aluminum version, this enclosure has equivalent functions and increased environmental resistance with its IP66/IP69 level (high cleaning pressure) and the increased resistance to corrosion to protect from to road-salting.
This box is composed of two parts fixed on hinges:
a protection part, with a transparent window (locking key in option),
an inclined cover with mounted socket-outlets.
Power supply of this box is performed using 5G25 cables (max. conductor section).

COFFRET thermoplastique

Type	H x W x D in mm	Distribution
3134017CDxx	342 x 225 x 156	One or two MARECHAL® socket-outlet can be mounted on the inclined cover.

EMERGENCY SERVICE BOXES

TUNNEL REFUGE POINT

IP66

AISI 316L STAINLESS STEEL

IK10

NF C 32-070

OTHER FEATURES

Electrical continuity of the main power supply is guaranteed according to NF C 32-070.

Service terminals	2 to 5 stainless steel terminals mounted on ceramic plates.
Cables accepted	Armoured and unarmoured cables, stranded or flexible, from 1.5 mm^2 to 6 mm^2
Earthing point	Inside and outside the enclosure
Fire smoke class	M0

DRAWINGS AND DIMENSIONS

FIRE-RESISTANT SELF-POWERED PHONE BOX

Made from AISI 316L stainless steel, these boxes ensure the junction between the main through fire-resistant cable (CR1-C1 type in compliance with NF C 32-070)
Cable glands are fire-resistant and the inter-connection of crossing cables is performed thanks to stainless steel terminals mounted on ceramic plates.
The box lid mounted on hinges is fixed by means of captive stainless steel screws.

SLEF-POWERED PHONE BOX

Type	H x W x D in mm	Distribution
91141	270 x 200 x 130	2 outputs with MARECHAL® metal PN socket-outlet.

125 A

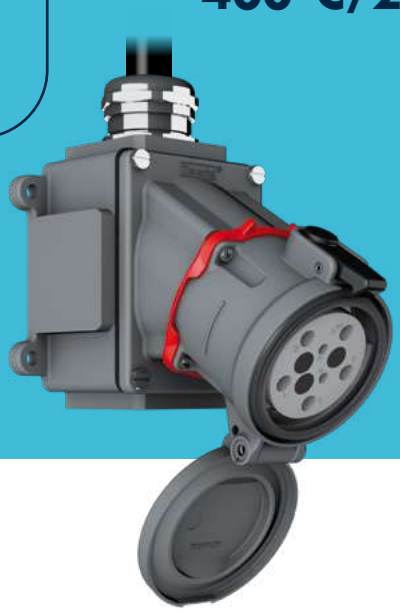
DECONTACTOR™ DS F400

U MAX
690 V AC
690 V DC

400 °C/2 H

INSTRUCTIONS FOR USE

FIRE-RATED FOR TUNNEL JET FANS



IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 396A346

IP66 IP67	10 - 35 mm² (1) 10 - 50 mm² (2)	METAL	IK10	400 °C/2h	AC-22A AC-23A DC-21A	60947-3 12101-3	2 AUX.	-40 °C +60 °C

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
Earthing cable section 35 mm² max.

Other configurations on request.

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Load-break capability according to IEC/EN 60947-3/AC-22A	125 A/690 V
Load-break capability according to IEC/EN 60947-3/AC-23A	125 A/400 V - 63 A/690 V
Load-break capability according to IEC/EN 60947-3/DC-21A	125 A/250 V
Power kW AC-22A/AC-23A	110 kW/55 kW

OTHER FEATURES
Electrical continuity of the main power supply is guaranteed according to EN 12101-3 - 400°C/120 min classification.
Compliant with European Low Voltage Directive 2014/35/EU

		SOCKET-OUTLET DS F400	**INLET DS F400**
380-440 V AC	3P+E	3964F13	3968F13
660-690 V AC	3P+E	3964F93	3968F93
Auxiliaries 5 A/500 V AC	+ 2 contacts	Ref. + 972	Ref. + 972*

* Auxiliaries on connector side are shunted.
▶ Contact us for other configurations and references.

DS F400 PLUGS AND SOCKET-OUTLETS FACILITATE THE COMPLIANCE OF:

- electrical machinery
  - to the "Machinery" European Directive on isolating device,
  - to the standard EN 60204-1 : Safety of machinery-electrical equipment of machines,
  - to the standard EN ISO 14118 : Safety of machinery - Prevention of unexpected start-up.
- smoke ventilators to the standard EN 12101-3 (fire resistance classification F400: 400°C/2h)

DS F400 plugs and socket-outlets comply with:

- European Directives Low Voltage and RoHS (affixing of CE marking).
- REACH European Regulation,
- standard IEC/EN 60947-3 (dealing with the load breaking capacities of AC-22A and AC-23A utilization categories).

OPTION	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
	Réf + 843

OUR CERTIFICATIONS

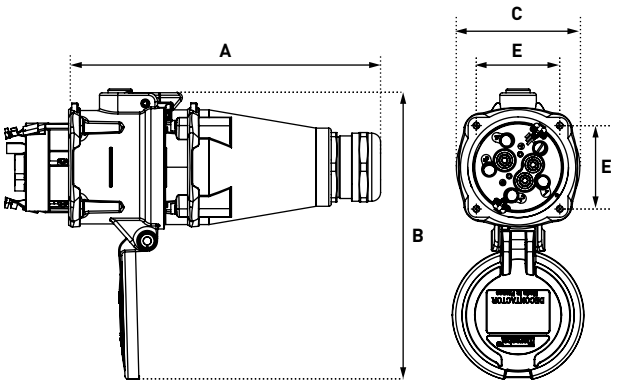
Efectis

WALL BOXES	Input	Reference
METAL BOX WITHOUT CABLE GLAND (+ EARTHING WIRE + METAL SLEEVE) UP TO 16 mm² - Contact us for special cables		
	30° M25	574C3M25185
	30° M32	574C3M32185
	30° M40	574C3M40185
	30° M50	574C3M50185
METAL BOX WITH STRANDED CONDUCTOR WITH SECTION >16 mm²		
		Contact us.

HANDLES	Input	Reference
METAL HANDLE WITHOUT CABLE GLAND (+ EARTHING WIRE) - Contact us for special cables		
	M25	574P0M25185
	M32	574P0M32185
	M40	574P0M40185
	M50	574P0M50185

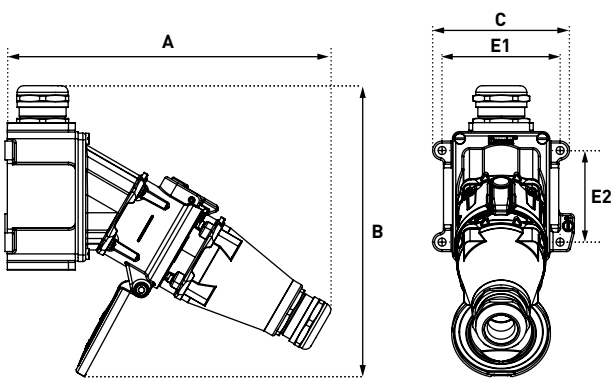
CABLE GLAND	Cable outer Ø	Input	Reference
	8 - 16 mm	M25	9PEM25METAL+J
	16 - 24 mm	M32	9PEM32METAL+J
	22 - 32 mm	M40	9PEM40METAL+J
	34 - 44 mm	M50	9PEM50METAL+J

PLUG ON SOCKET-OUTLET



A	B	C	E1
248	230	105	66

PLUG ON SOCKET MOUNTED ON WALL BOX



A	B	C	E1	E2
345	308	150	125	97

CUSTOMISED SOLUTIONS

BOXES, EXTENSIONS AND CABLE REEL

In direct connection with its production of industrial electrical socket-outlets, MARECHAL ELECTRIC has the internal skills to offer you complete customized solutions. From cable assemblies to power distribution boxes.

Contact us.

EXAMPLE OF SOLUTIONS

Portable rubber box

Automatic cable reel

Equipped cable reel

Boxes of all sizes and materials, GRP, sheet metal or stainless steel.

Extension cable

Portable service box

EXPLOSIVE ATMOSPHERE

In certain environments, the presence of gases, vapours, aerosols, or combustible dusts can lead to the formation of explosive atmospheres. In the event of ignition, the effects can be devastating for both workers and facilities.

MARECHAL® and TECHNOR® devices are carefully designed to provide the highest levels of safety, reliability, and longevity in the most demanding environments.

KNOW YOUR ATMOSPHERE

EXPLOSIVE OR POTENTIALLY EXPLOSIVE ATMOSPHERE?

What is it?

An explosive atmosphere is the result of a mixture of air with a flammable substance (liquid, gas, vapour, or dust) in which, after ignition, the combustion spreads throughout the mixture.
An explosive atmosphere (ATEX) is an atmosphere that could become explosive due to unforeseen local and/or operational conditions.
An explosion can occur when the three elements of the "Explosion Triangle" – fuel, ignition source, and oxygen – are present in optimal conditions and in sufficient quantities.

"Triangle" of the explosion: the three elements

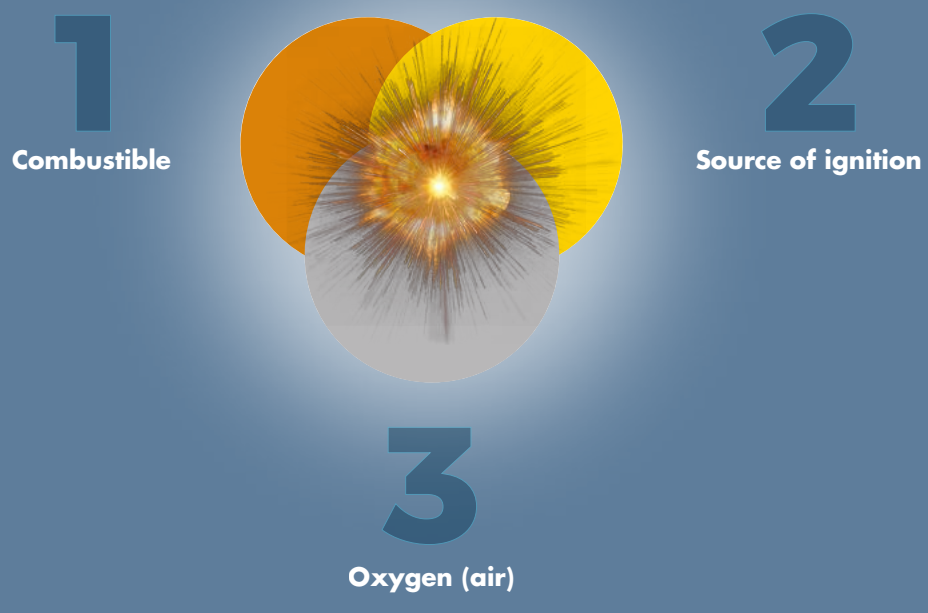
1. **Fuel:** a flammable substance (liquid, gas, vapour, or dust) within its explosivity limits.
2. **Ignition source:** high temperature, electrical arc, static electricity, naked flames, etc., with sufficient energy.
3. **Oxygen (air):** one of the elements required to sustain combustion.

To prevent explosions, one of these three conditions must be eliminated as much as possible.
For our electrical equipment, they are designed:

- not to generate enough energy to cause ignition, a spark, or excessive temperature;

or

- not to propagate ignition to the surrounding atmosphere.



Identification of Substances

In the workplace, explosive atmospheres can form due to the presence of:

- **gases and vapours:** fuels for heating or drying installations, stored combustible gases, vapours of flammable solvents stored or handled;
- **combustible dusts** that can form explosive clouds with air during regular operations (loading or unloading powders, dusting filters, etc.), such as flour, sugar, wood dust, cereals, metals, etc.

The danger of an explosive atmosphere depends on its concentration of flammable substances, but also on the characteristics of these substances. It is necessary to divide these substances according to two classifications of hazardous properties:

1. gas groups and dust groups,
2. self-ignition temperature (temperature classes for gases).

The lower the energy it is necessary to ignite a substance, the more dangerous the substance is said to be.

DANGEROUSNESS

GAS GROUP SUBDIVISIONS	
Propane	IIA
Ethylene	IIB
Acetylene Hydrogen	IIC

Group IIB classified devices are suitable for applications requiring Group IIA devices. Similarly, group IIC classified devices are suitable for applications requiring Group IIA or Group IIB devices.

DUST GROUP SUBDIVISIONS	
Combustible particles suspended in the air	IIIA
Non-conductive dust	IIIB
Conductive dust	IIIC

Group IIIB classified devices are suitable for applications requiring Group IIA devices. Similarly, group IIIC classified devices are suitable for applications requiring Group IIIA or Group IIIB devices.

The lower the ignition temperature, the more dangerous the substance is.

Therefore, equipment are classified from T1 to T6 according to the **maximum surface temperature** (or temperature of the hottest point depending on the type of protection).

DANGEROUSNESS

MAXIMUM SURFACE TEMPERATURE	
TEMPERATURE CLASS	MAXIMUM VALUE °C
T1	450 °C
T2	300 °C
T3	200 °C
T4	135 °C
T5	100 °C
T6	85 °C

Equipment classified T6 is suitable for an atmosphere with an ignition temperature of T5, T4, T3, T2 or T1.

Note: the ignition temperature of a gas is not related to its danger.
Even though hydrogen is an extremely explosive gas (necessary energy to ignite hydrogen atmosphere is about 10 times less than a natural gas atmosphere), it is T1 classified as its self-ignition temperature is very high (560 °C).

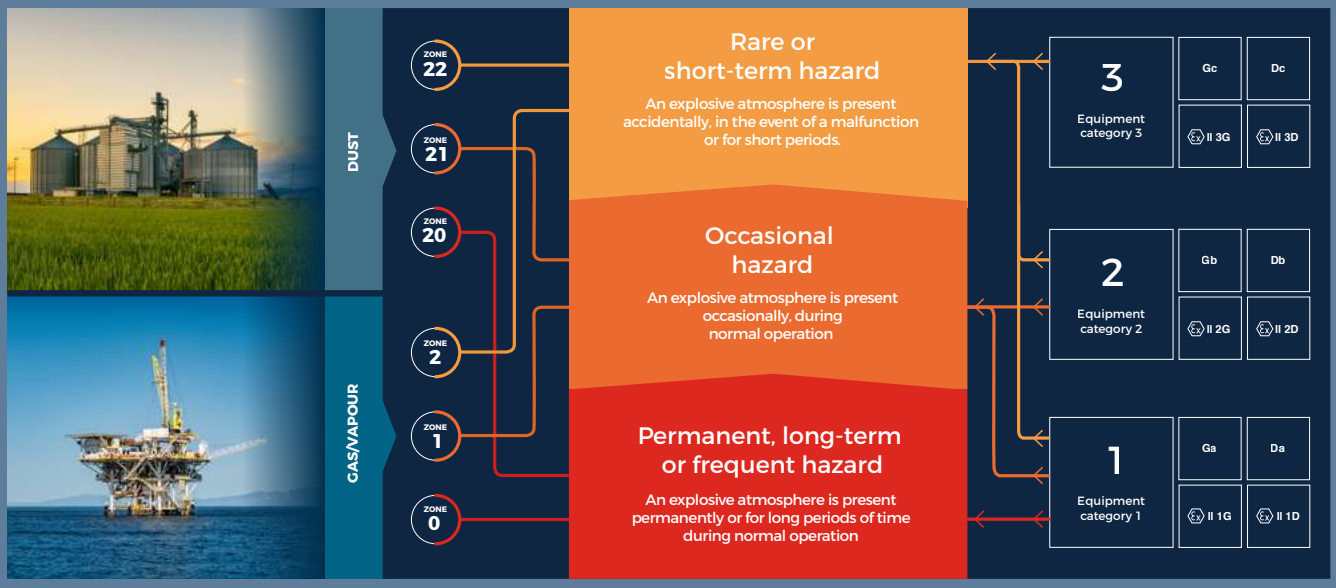
EXAMPLES OF IGNITION TEMPERATURES		
	FLAMMABLE SUBSTANCES	IGNITION TEMPERATURE
Gas/Steam	Hydrogen	560 °C (T1)
	Methane	537 °C (T1)
	Ethylene	425 °C (T2)
	Acetylene	305 °C (T2)
	Paraffin	210 °C (T3)
	Ether	175 °C (T4)
	Carbon disulphide	95 °C (T6)
Dust/Fibres	Paper fibre	570 °C (T1)
	Aluminium	560 °C (T1)
	Wheat	510 °C (T1)
	Wood	500 °C (T1)
	Sugar	490 °C (T1)
	Polyethylene	440 °C (T1)

IDENTIFYING HAZARDOUS ZONES

Numerous industries, such as chemicals, oil, gas, pharmaceuticals, food processing, energy production, mining, and others, may contain areas at risk of explosion (commonly referred to as ATEX zones).
ATEX zones are environments where the risk of explosion is high due to the presence of flammable substances, and as such, they must be clearly marked.

The European ATEX directive defines six zones based on the frequency and duration of the presence of flammable substances [1].
It is essential to properly identify these zones to ensure safety and compliance in potentially explosive environments.

[1] It refers to the EN 1127-1 standard, which specifies that "an explosion is a violent oxidation or decomposition reaction involving a rise in temperature, pressure, or both simultaneously."



AVOID IGNITION

Products intended to operate in potentially explosive atmosphere must :

- Prevent the formation of an arc likely to cause an explosion or contain inflammation,
- Resist shocks, to a higher degree than usually is required for normal industrial products,
- Not to be likely to accumulate electrostatic charges that may generate a spark,
- Have a maximum temperature below the self-ignition temperature of the surrounding atmosphere.

From the design of the equipment, it is necessary to consider the type(s) of protection adapted to the equipment intended to be installed in potentially explosive atmospheres by acting on one of the following actions:

- deletion of the potentially explosive atmosphere
- deletion of the source of ignition,
- non-propagation of ignition.

TYPE OF PROTECTION

The design and verification rules for these types of protection are regulated by international standards and the devices are identified by letters:

		DELETION OF THE POTENTIALLY EXPLOSIVE ATMOSPHERE	
DESCRIPTION OF TYPE OF PROTECTION	**APPLICABLE STANDARD**	**IDENTIFICATION**	**APPLICATION**
Pressurized enclosure: a protective gas maintains a pressure higher than the one of the external atmosphere.	EN/IEC 60079-2	Ex pxb	Zone 1, Zone 21
		Ex pyb	
		Ex pzc	Zone 2, Zone 22
Restricted breathing enclosure: in normal operation, to restrict the entry of gases, vapours and mists	EN/IEC 60079-15	Ex nR	Zone 2
Liquid immersion : explosive gas atmosphere which may be above the liquid or outside the enclosure cannot be ignited	EN/IEC 60079-6	Ex ob	Zone 1
		Ex oc	Zone 2
Encapsulated: hazardous parts completely enclosed in a resin	EN/IEC 60079-18	Ex ma	Zone 0, Zone 20
		Ex mb	Zone 1, Zone 21
		Ex mc	Zone 2, Zone 22
Hermetically-sealed device: in normal operation, device which cannot be opened and is sealed	EN/IEC 60079-15	Ex nC	Zone 2
Dust ignition protection by enclosure: limitation of dusts ingress (IP5X or IP6X)	EN/IEC 60079-31	Ex ta	Zone 20
		Ex tb	Zone 21
		Ex tc	Zone 22

DELETION OF THE SOURCE OF IGNITION

DESCRIPTION OF TYPE OF PROTECTION	APPLICABLE STANDARD	IDENTIFICATION	APPLICATION
Increased safety: measures to prevent excessive temperature and occurrence of arcs or sparks	EN/IEC 60079-7	Ex eb	Zone 1
		Ex ec	Zone 2
Intrinsically safe: limitation of electrical energy at a level below that which may cause ignition	EN/IEC 60079-11	Ex ia	Zone 0, Zone 20
		Ex ib	Zone 1, Zone 21
		Ex ic	Zone 2, Zone 22
Non-incendive component: in normal operation, component having contacts for making or breaking a specified circuit in which the mechanism is constructed so that the component is not capable of causing ignition	EN/IEC 60079-15	Ex nC	Zone 2

NON-PROPAGATION OF IGNITION

DESCRIPTION OF TYPE OF PROTECTION	APPLICABLE STANDARD	IDENTIFICATION	APPLICATION
Flameproof enclosure: the ignition can occur inside the enclosure but can be transmitted to the external atmosphere.	EN/IEC 60079-1	Ex da	Zone 0
		Ex db	Zone 1
		Ex dc	Zone 2
Powder filling: the parts capable of igniting an explosive gas atmosphere completely surrounded by filling material (example glass beads)	EN/IEC 60079-5	Ex q	Zone 1

Other types of protection exist:
Protection of equipment and transmission systems using optical radiation (op pr, op is,...), ventilated rooms (v),...
Non-electrical equipment can also create potential sources of ignition and to address this problem, there are types of protection for these devices.

FOCUS ON MAIN TYPES OF PROTECTION

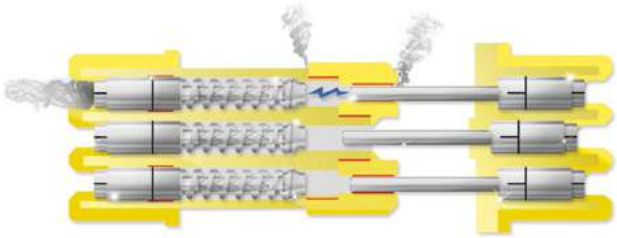
Flameproof enclosure: Ex da, db or dc

Flameproof equipment is an enclosure in which devices/components capable of igniting an explosive gas atmosphere are enclosed.
Flameproof enclosures must:

- contain an internal explosion without casing deformation (withstand of explosion pressure),
- ensure that ignition is not transmitted to the surrounding atmosphere,
- have an external temperature lower than the self-ignition temperature of the atmosphere.

The construction parameters for flameproof equipment depending on the gas group for which the equipment is intended, are essential in order to meet all three criteria:

- type of flamepath : thread, flat surface, sealed path, cylindrical,...
- the length of flamepath,
- the space between the 2 srfaces of the flameproof seal (= interstice),
- thickness of walls.



In order to guarantee the properties of the types of protection, it is necessary to:

- check the tightness of all screws for the closing of the lids and cable entries,
- check the screwing of blanking devices, if present,
- never modify the equipment.

Example of an explosion-proof enclosure with a flat flame passage.

Increased safety: Ex eb or ec
Increased safety equipment must, by design and with a high level of safety, provide the possibility of excessive temperature and occurrence of arcs or sparks during normal operation or under specified abnormal conditions.

In difference to flameproof enclosure, all devices or components installed in the increased safety enclosure must, in advance, be ATEX/IECEx certified for the appropriate application (or assessed with the enclosure) and must also be listed in the certificate.

These enclosures must be at least IP54.
The electrical parameters are defined by the temperature rise and the clearances and creepage distances, which are different than the ones defined in industrial standards.
The quality of the connection is essential in the protection of the increased safety equipment.

MARECHAL® sockets are equipped with elastic connections terminals with thread protection tabs, in order to prevent the deterioration of the threads and to ensure a uniform pressure on the strands (heating control).

To simplify installation and maintenance, TECHNOR® devices are equipped with pre-certified connection components.

Terminals for connecting to a MARECHAL® Ex socket.

Encapsulation: Ex, Ma, Mb, or Mc
The parts of equipment that can ignite an explosive atmosphere through sparks or heat are enclosed in a compound (referred to as "compound") in such a way that the ignition of a dust layer or an explosive atmosphere under normal operating or installation conditions cannot occur.

The compound prevents the formation of an explosive atmosphere near dangerous components and, in some cases, can be considered as the device's protective casing. Therefore, the choice and quality of the compound's properties are crucial to ensure the product's safety.

This mode of protection is suitable for gas and/or dust applications.
TECHNOR® LED modules intended for installation in enhanced safety enclosures are protected by a transparent compound (allowing light flux to pass through).

Intrinsic Safety: Ex ia, ib or ic
An intrinsically safe device, along with its interconnecting wires exposed to a potentially explosive atmosphere, is intrinsically energy-limited, preventing the ignition of the surrounding atmosphere by spark or thermal effect.
This type of protection is suitable for gaseous and/or dusty environments.

The components of these intrinsically safe circuits must be easily identifiable within an installation:
- through the light blue colour of the interconnecting wires and components,
- or through complete circuit identification with labels.

However, it is mandatory to have protection (e.g., intrinsically safe barrier) upstream of the device – this protection must either be installed in a non-hazardous area or within a flameproof enclosure, if allowed.
Low power circuits, electronic instrumentation, and control or measurement processes are primarily protected by intrinsic safety.

It is common to find intrinsically safe devices combined with devices without energy limitation in flameproof or increased safety enclosures from TECHNOR®.
This is possible by adhering to installation guidelines.

Protection by Ex enclosures: Ta, Tb or Tc
Equipment protected against the ingress of explosive dust provides an IP5X or IP6X level of protection, depending on the type of dust present in the surrounding atmosphere.

The surface temperature of this equipment must also be controlled.
All MARECHAL® and TECHNOR® devices can be installed in explosive dust atmospheres with an IP6X or IP5X level of protection.

Pressurisation: Ex pxb, pyb or pzc
A protective gas is maintained inside these enclosures at a pressure higher than that of the surrounding atmosphere using a pressurisation system to prevent the external atmosphere from entering the enclosures. With alarms in place within the system, the installed equipment does not always need to be certified.
This is an alternative to an explosion-proof enclosure when the size of the enclosure is large, but it requires parallel monitoring.
TECHNOR® enclosures of type QPREX are protected by this method of protection.

Combinaison: example Ex db eb/db eb mb
To design safe equipment that can be installed in a potentially explosive atmosphere, it is essential to apply the most appropriate type of protection.

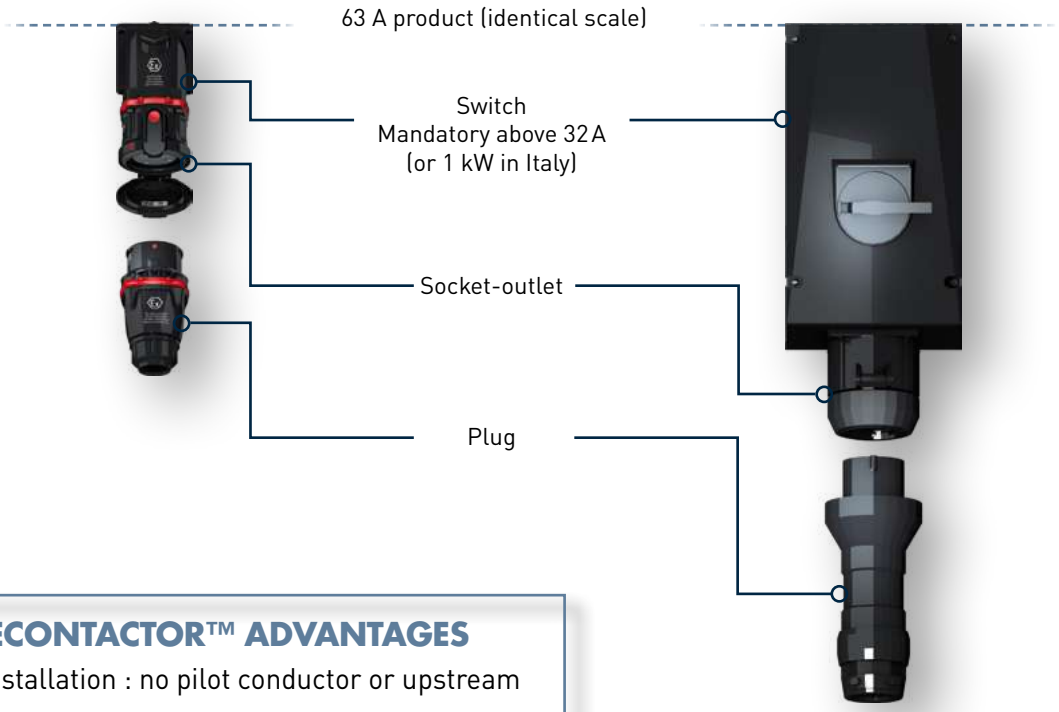
Les appareils MARECHAL® et TECHNOR® combinent plusieurs modes de protection.

DECONTACTOR™ DXN1/DXN3/DXN6

socket-outlet + integrated switch

SOCKET CEE

Industrial socket with external switch



DECONTACTOR™ ADVANTAGES

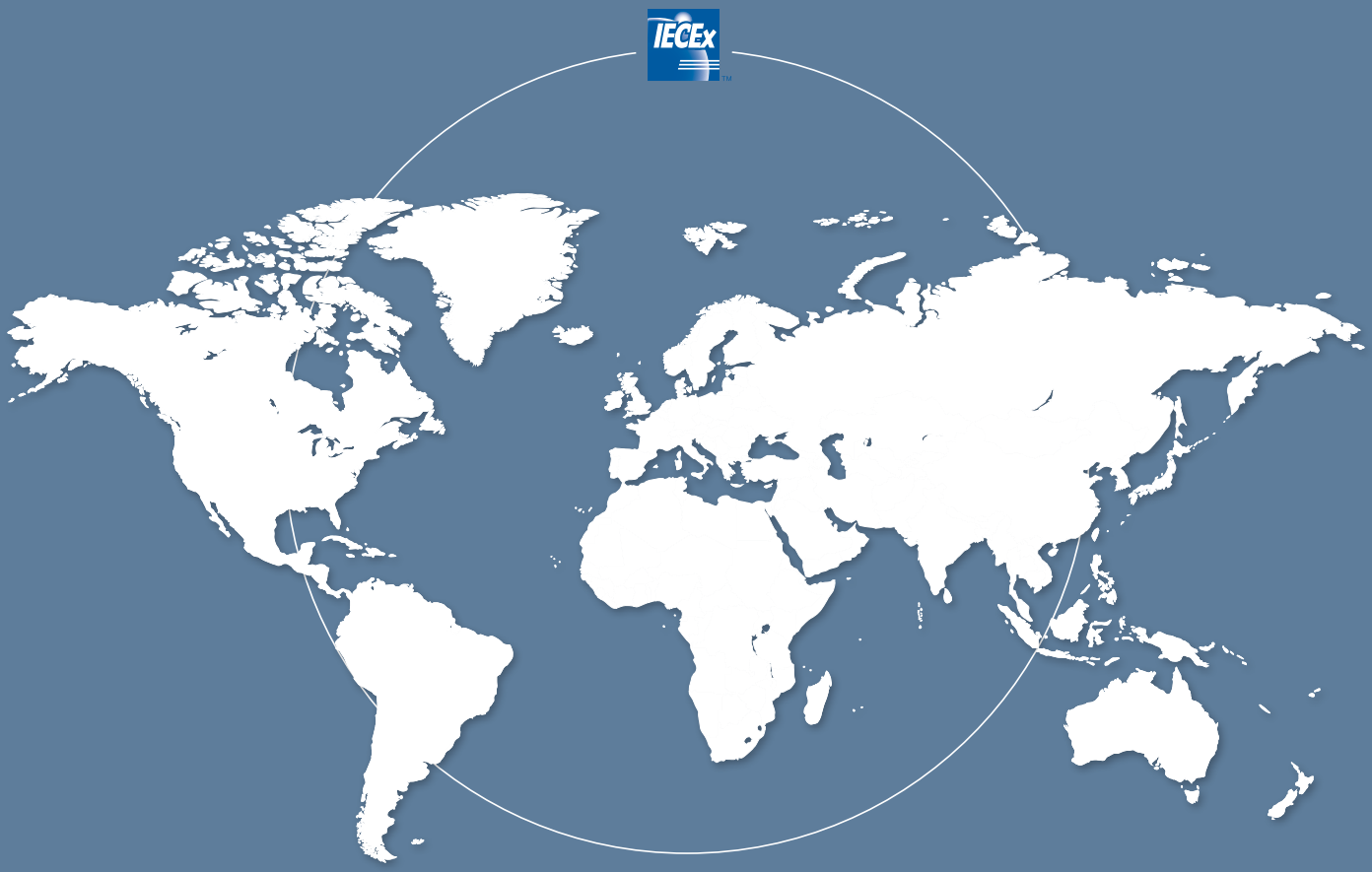
- Ease of installation : no pilot conductor or upstream contactor.
- No compulsory switch required, even beyond 32 A.
- More compact.
- Cable extension possibility.

BESPOKE CONFIGURATION

The only AC-23A cable coupler on the market!

PRODUCT CERTIFICATIONS

Certain countries and markets require specific certification.
MARECHAL® and TECHNOR® devices hold all the necessary international and local certifications.
These certifications ensure the full compliance of our devices, thereby guaranteeing the safety of property and people, as well as performance in potentially explosive environments.



CANADA
US
CSA

COLOMBIA
RETIE

BRAZIL
INMETRO (Portaria 179)

EUROPE
ATEX

EURASIA
EAC Ex

SOUTH AFRICA

UNITED ARAB EMIRATES
ECAS-Ex

INDIA
PESO

SOUTH KOREA
KCs (Korean Ex Certification)

JAPAN
CML Ex - Ordinance on Examination of Machines and Other Equipment of the Ministry of Health, Labour and Welfare.

SINGAPORE
GREEN BUILDING COUNCIL

WORLDWIDE

WORLDWIDE
IECEx

EXAMPLE OF AN ATEX AND IECEx CERTIFIED DECONTACTOR™

II 2 G D Ex db eb IIC T6 or T5 Gb
Ex tb IIIC T70 °C or T90 °C Db

① Ex eb and Ex tb casing
② Ex db casing
③ Ex eb connection terminals

HIGH-CURRENT CONNECTORS FROM 5 A TO 680 A

RANGE	CURRENT	U MAX AC/DC	MAX NB OF CONTACTS	MAX NUMBER OF AUX./PIL.	DECONTACTOR™ (BREAK: AC/DC)
PNCX	5 A	250 V AC 250 V DC	4+E	/	/
DXN1 Zone 1-21	20 A	550 V AC 550 V DC	4+E	/	AC-22A/AC-23A/DC-21A
DXN1 Zone 2-22	20 A	440 V AC 440 V DC	4+E	2 PIL.	/
DX1	20 A	750 V AC 750 V DC	4+E	/	Yes/DC-21A
DX3	32 A	750 V AC 750 V DC	4+E	/	AC-22A/DC-21A
DXN3 Zone 1-21	32 A	750 V AC 750 V DC	4+E	2 AUX.	AC-22A/DC-21A
DXN3 Zone 2-22	40 A	690 V AC 690 V DC	4+E	2 AUX.	/
DXN6 Zone 1-21	63 A	750 V AC 750 V DC	4+E	2 AUX.	AC-22A/DC-21A
DXN6 Zone 2-22	63 A	1000 V AC 1000 V DC	4+E	2 AUX.	/
DX6	63 A	750 V AC 750 V DC	4+E	/	Yes
DX9	125 A	750 V AC 750 V DC	4+E	/	Yes/DC-21A
DX2	200 A	750 V AC 750 V DC	4+E	/	Yes
SPeX	680 A	1 000 V AC 1 000 V DC	1	/	/

LOW-CURRENT CONNECTORS FROM 12 TO 37 CONTACTS

RANGE	CURRENT	U MAX AC/DC	MAX NB OF CONTACTS	MAX NUMBER OF AUX./PIL.	DECONTACTOR™ (BREAK: AC/DC)
PXN12C	10 A	220 V AC 220 V DC	11+E	/	/
DXN25C	10 A	440 V AC 440 V DC	24+E	/	/
DXN37C	10 A	230 V AC 230 V DC	36+E	/	/

DOWNLOAD ALL TECHNICAL DATA SHEETS FROM OUR FROM OUR WEBSITE
marechal.com

MATERIAL	IP	IK	ATEX ZONES	TYPE OF PROTECTION	PAGE
POLY	IP66/IP67/IP69	IK08	1, 2, 21, 22	e, tb	266
POLY	IP66/IP67	IK09	1, 2, 21, 22	db eb, tb	268
POLY	IP66/IP67	IK09	2, 22	ec, tc	272
METAL	IP65	IK10	1, 2, 21, 22	d e, tD	276
METAL	IP65	IK10	1, 2, 21, 22	d e, tD	278
POLY	IP66/IP67	IK09	1, 2, 21, 22	db eb, tb	280
POLY	IP66/IP67	IK09	2, 22	ec, tc	284
POLY	IP66/IP67	IK09	1, 2, 21, 22	db eb,tb	288
POLY	IP66/IP67	IK09	2, 22	ec, tc	292
METAL	IP65/IP66	IK10	1, 2, 21, 22	d e, tD	296
METAL	IP65/IP66	IK10	1, 2, 21, 22	d e, tD	298
METAL	IP65/IP66	IK10	1, 2, 21, 22	d e, tD	300
POLY	IP65/IP66	IK08	1, 2, 21, 22	e, tb	304

MATERIAL	IP	IK	ATEX ZONES	TYPE OF PROTECTION	PAGE
METAL	IP65/IP66	IK09	1, 2, 21, 22	e or i, tb	310
METAL	IP66/IP67	IK09	1, 2, 21, 22	e or i, tb	314
METAL	IP66/IP67	IK09	1, 2, 21, 22	e or i, tb	318

HIGH-CURRENT CONNECTORS FROM 5 A TO 680 A

5 A

PNCX CONNECTOR

zone 2-22 version available

II 2 G D Ex e IIC Gb, Ex tb IIIC Db

IP66/IP67/IP69

GRP casing

20 A - 63 A

DXN DECONTACTOR™

zone 2-22 version available

II 2 G D Ex db eb IIC Gb, Ex tb IIIC Db

IP66/IP67

Breaking capacity

GRP casing

PNCX CONNECTORS FACILITATE THE COMPLIANCE OF ELECTRICAL INSTALLATION TO:

- the national regulations relating to the improvement of safety and health of workers at work in France, Italy, Spain, Belgium,
- the installation standards: IEC/EN 60079-14, IEC/HD 60364 (international) and NF C 15-100 (France).

PNCX connectors comply with:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/EN 61984, IEC/EN 60529, IEC/EN 62262, IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31 international and European standards.

DECONTACTOR™ **DXN** FACILITATE THE COMPLIANCE OF:

- electrical machinery to the Machinery European Directive regarding isolation device and to EN 60204-1 standard: Safety of machinery electrical equipment of machines,
- electrical installation to French decree of 30 aout 2010 and 22 septembre 2010 relating to health and safety at work when using electrical installations,
- electrical installation to national regulation relating to the improvementof the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to the installation standards: IEC/EN 60079-14, IEC/HD 60364 (international), NF C 15-100 (France) and CSA Z462 (Canada).

DECONTACTOR™ DXN comply with:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-31, IEC/EN 60309-1 and IEC/EN 60309-4 standards.
- Bureau Veritas Marine specifications.

PNCX CERTIFICATION BODIES

PNCX are certified by LCIE (ATEX and IECEx), NANIO (TR CU EAC), KGS (KCS) and Intertek (RETIE) (French, Eurasian and South Korean and Colombian notified bodies).

DXN CERTIFICATION BODIES

Products are certified by LCIE (ATEX and IECEx), NANIO (TR CU EAC), NCC (INMETRO), KGS (KCS), CLMEx (Japan), EXPLOLABS (SANS), cCSAus and Intertek (RETIE) (French, Eurasian, Brazilian, South Korean, English [for Japan], South African, American and Canadian* and Colombian notified bodies) and BUREAU VERTIAS MARINE.

(*) for North American market.

30 A - 200 A

DX DECONTACTOR™

II 2 G D Ex de IIC, tD A21

IP65/IP66

Breaking capacity

Metal casing

Padlocking when connected or disconnected

DECONTACTOR™ **DX** FACILITATE THE COMPLIANCE OF:

- electrical machinery to the Machinery European Directive regarding isolation device and to EN 60204-1 standard: Safety of machinery electrical equipment of machines,
- electrical installation to French decree of 30 aout 2010 and 22 septembre 2010 relating to health and safety at work when using electrical installations,
- electrical installation to national regulation relating to the improvementof the safety and health of workers at work in Italy, Spain, Belgium,
- electrical installation to the installation standards: IEC/EN 60079-14, IEC/HD 60364 (international), NF C 15-100 (France).

DECONTACTOR™ DX comply with:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 60079-7, IEC/EN 60079-31, IEC/EN 60309-1, IEC/EN 60309-4 standards.

DX CERTIFICATION BODIES

Products are certified by LCIE (ATEC and IECEx), NANIO (TR CU EAC) and Intertek (RETIE) (French, Eurasian and Colombian notified bodies).

5 A

CONNECTOR PNCX

U MAX
250 V AC
250 V DC

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex e IIC T6 Gb
Ex tb IIIC T72 °C Db
-20 °C ≤ Ta ≤ +70 °C
IECEx LCIE 16.0001X/LCIE 16 ATEX 3001X

INSTRUCTIONS FOR USE

ZONE 2-22
10 A
440 V AC/DC
MAR X 13.0001

IP66 IP67 IP69	0,75 mm² 2,5 mm²	GRP	IK08	-20 °C +70 °C	ATEX	1, 2, 21, 22

OTHER FEATURES	
Impulse withstand voltage	5 kV
Contact resistance	‹ 2 mΩ
Casing/insulator	Glass reinforced thermoplastics UL94 V-0
Load cycles	› 2 000 cycles
Salt mist	50 000 hours

STANDARDS	
International and European IEC/EN standards	61984, 60529, 62262, 60079-0, 60079-7 et 60079-31
Type of protection	e, tb

REFERENCES AND ACCESSORIES

SOCKET-OUTLET female (with lock nut)
PNCX

INLET male (with lock nut)
PNCX

Coupler socket and plug caps are fitted as standard.

250 V AC	4P+E	06E4007	06E8007

For zones 2-22 devices, the sixth character must be replaced with a 1.

COUPLER SOCKET female
PNCX

PLUG male
PNCX

CABLE outer Ø

250 V AC	4P+E	06E3007	06E1007	10-13 mm

For zones 2-22 devices, the sixth character must be replaced with a 1.

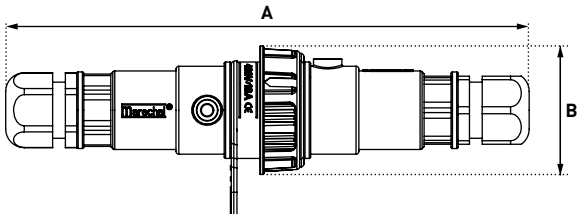
OPTIONS		Reference
PROTECTIVE CAPS		
	Socket-outlet cap Inlet cap	01EA125 01EA126
ADAPTER PLATE FOR DXN1 ACCESSORIES (SEE PAGE 269)		
		251A457-E

HANDLE	Input/Cable outer Ø	Reference
WITH INLET WITHOUT CABLE GLAND		
	M20	06E1007417
WITH SOCKET-OUTLET WITHOUT CABLE GLAND		
	M20	06E3007417

For zones 2-22 devices, the sixth character must be replaced with a 1.

CABLE GLAND	Input/Cable outer Ø	Reference
	5 - 9 mm	9PEM20EX-RED

DRAWINGS AND DIMENSIONS



A	B	C
185	45	45

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

20 A

DECONTACTOR™ DXN1 ZONE 1-21

U MAX
550 V AC
550 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex db eb IIC	T* Gb
	Ex tb IIIC	T* Db
*-40 °C ≤ Ta ≤ +60 °C	T5	T90 °C
-40 °C ≤ Ta ≤ +40 °C	T6	T70 °C

IECEx LCI 09.0005X/LCIE 99 ATEX 6027 X

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 611A346

IP66 IP67	1-4 mm² (1) 1,5-6 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A/AC-23A DC-21A	ATEX	1, 2, 21, 22

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T6 for an ambient T° between -40 °C and +40 °C
	T5 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 70 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 90 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4, 60947-3
Type of protection	db eb, tb

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Load-break capability according to IEC/EN 60947-3/AC-22A	20 A/550 V
Load-break capability according to IEC/EN 60947-3/AC-23A	20 A/440 V
Load-break capability according to IEC/EN 60947-3/DC-21A	20 A/250 V

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

SOCKET-OUTLET female **DXN1**

INLET* male **DXN1**

20-24 V AC	2P	251408A	251808A
190-250 V AC	1P+N+E	2514015	2518015
380-440 V AC	3P+E	2514013	2518013
380-440 V AC	3P+N+E	2514017	2518017
480-500 V AC	3P+E	2514093	2518093
480-500 V AC	3P+N+E	2514097	2518097

► Other currents, voltages, frequencies and contact configurations are available (see page 21).
* inlet cap included.

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	251A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.
SELF-EJECTION	
	See page 208

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	5-10 mm	251AB5316P
	30°	10-14 mm	251AB53
	30°	12-18 mm	251AB5325P
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M20	251AB53417
	30°	M25	251AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
120 X 120 mm	70°	10-14 mm	251AB8820P
	70°	12-18 mm	251AB8825P
	70°	16-25 mm	251AB8832P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
120 X 120 mm	70°	8-10 mm	251AB8820M
	70°	12-14 mm	251AB8825M
	70°	18-24 mm	251AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (IECEx LCIE 16.0042X/LCIE 16 ATEX 3054X) P. 326			
120 X 120 mm	70°	10-14 mm	251A08820P[1]
	70°	12-18 mm	251A08825P[1]

1. Delivered with two predrilled entries fitted with 1 cable gland and 1 stopping plugs, 8+2 terminals up to 4 mm² with 2.5 mm² wires. Wiring : 1-4 mm². For other configurations, contact us.

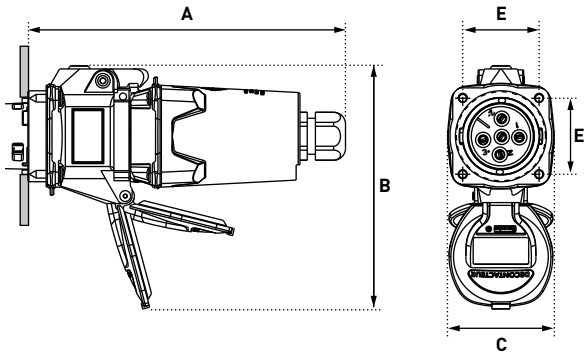
HANDLES	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY		
	10-14 mm	251A753
	12-18 mm	251A25325P
	16-25 mm	251A25332P
POLY HANDLE WITH EX POLY GLAND FOR SELF-EJECTION OPTION		
	10-14 mm	251A463
	12-18 mm	251A44325P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY		
	8-10 mm	251A25320M
	12-14 mm	251A25325M
	18-24 mm	251A25332M

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	251A057
	70°	251A757

DRAWINGS AND DIMENSIONS

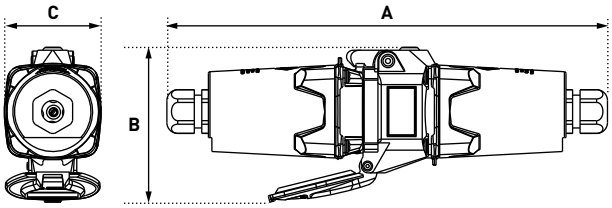
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



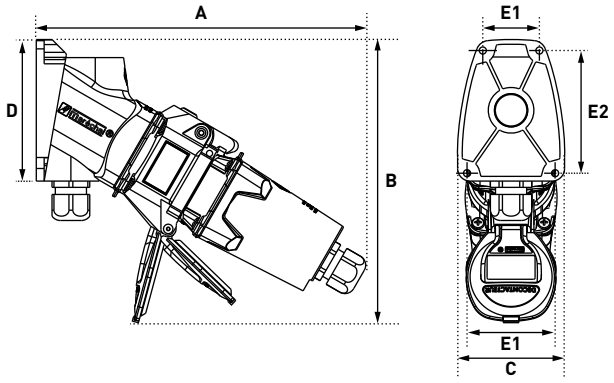
A	B	C	E
165	134	58	42

COUPLER



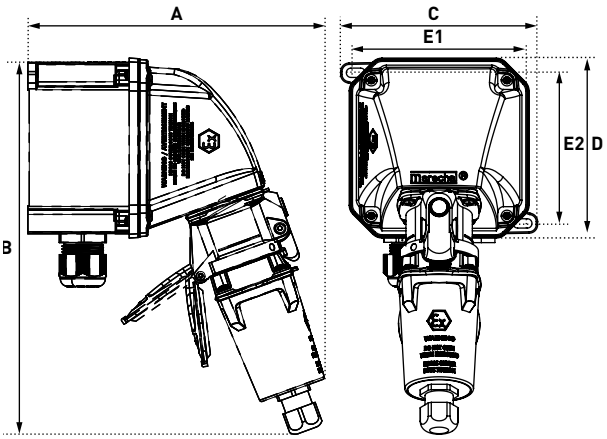
A	B	C
266	89	58

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



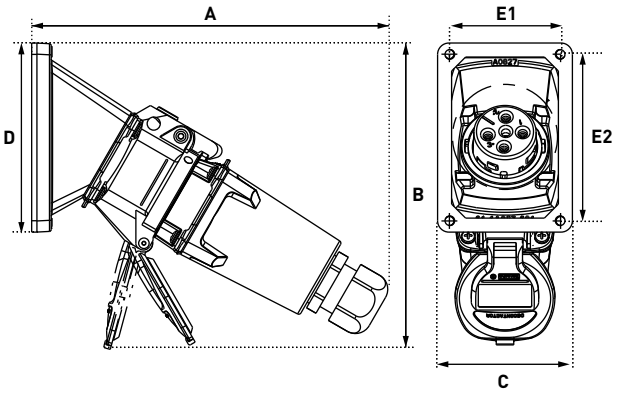
A	B	C	D	E1	E2
209	180	68	90	36/56	79

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



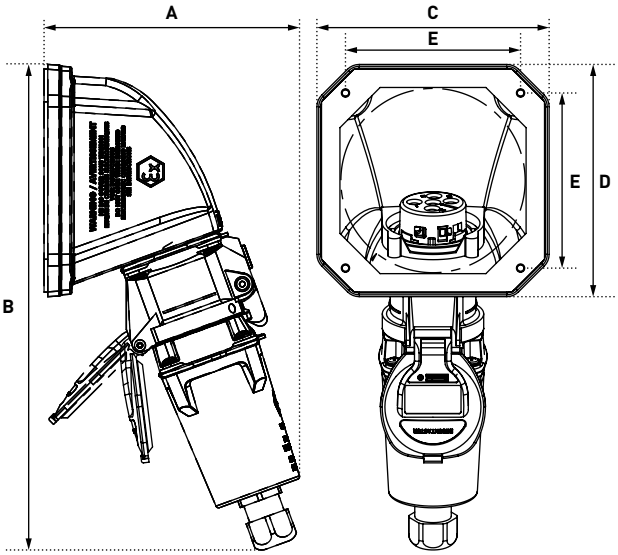
A	B	C	D	E1	E2
208	264	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
203	175	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
139	264	126	126	95

20 A

ZONE 2, 22 PLUGS & SOCKETS
DXN1

U MAX
440 V AC
440 V DC

MARECHAL ELECTRIC FRANCE

Ex II 3 G D	Ex ec IIC	T* Gc
	Ex tc IIIC	T* Dc
*-40 °C ≤ Ta ≤ +60 °C	T5	T95 °C
-40 °C ≤ Ta ≤ +40 °C	T6	T75 °C

TF: MAR X 23.0002

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 611A346

IP66 IP67	1-2,5 mm² (1) 1,5-4 mm² (2)	GRP	IK09	-40 °C +60 °C	ATEX	2, 22	2 PIL.(3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring 0,8 mm².

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T6 for an ambient T° between -40 °C and +40 °C
	T5 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 75 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 95 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	IEC 61984, 60079-0, 60079-7, 60079-31
Type of protection	ec, tc

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

SOCKET-OUTLET female **DXN1**

INLET* male **DXN1**

20-24 V AC	2P	251408AMZ2	251808AMZ2
190-250 V AC	1P+N+E	2514015MZ2	2518015MZ2
380-440 V AC	3P+E	2514013MZ2	2518013MZ2
190-250 V AC / 380-440 V AC	3P+N+E	2514017MZ2	2518017MZ2

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).
* inlet cap included.

OPTIONS	Reference
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
INLET CAP IP66/IP67	
	251A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	5-10 mm	251AB5316P
	30°	10-14 mm	251AB53
	30°	12-18 mm	251AB5325P
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M20	251AB53417
	30°	M25	251AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
120 X 120 mm	70°	10-14 mm	251AB8820P
	70°	12-18 mm	251AB8825P
	70°	16-25 mm	251AB8832P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
120 X 120 mm	70°	8-10 mm	251AB8820M
	70°	12-14 mm	251AB8825M
	70°	18-24 mm	251AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (TF: MAR X 14.0001)			
120 X 120 mm	70°	10-14 mm	
	70°	12-18 mm	

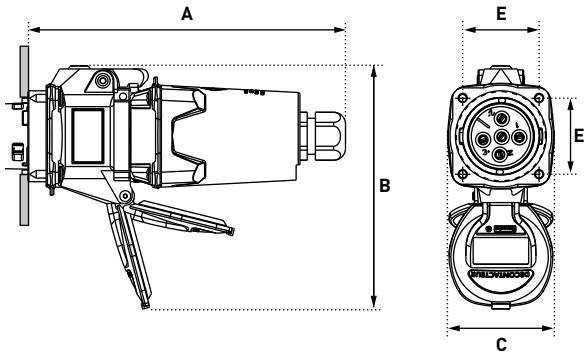
HANDLES	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY		
	10-14 mm	251A753
	12-18 mm	251A25325P
	16-25 mm	251A25332P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY		
	8-10 mm	251A25320M
	12-14 mm	251A25325M
	18-24 mm	251A25332M

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	251A057
	70°	251A757

DRAWINGS AND DIMENSIONS

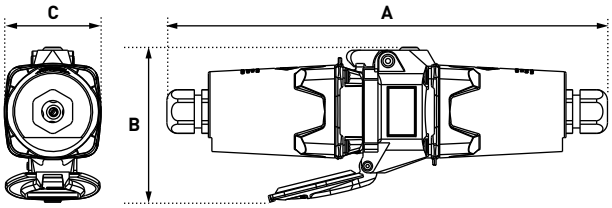
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



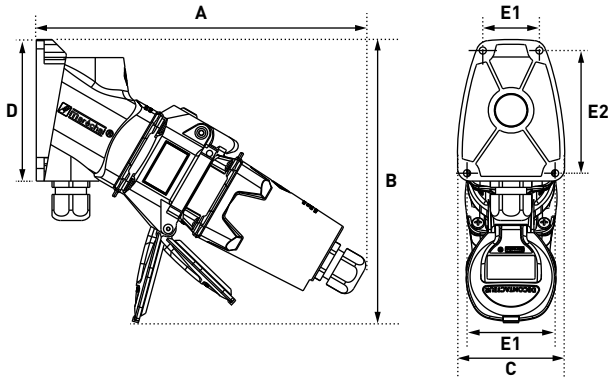
A	B	C	E
165	134	58	42

COUPLER



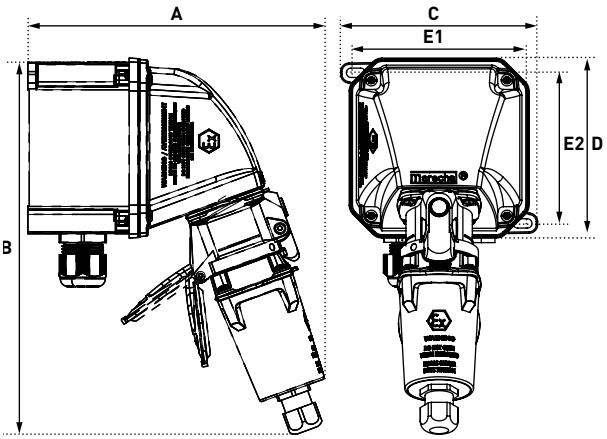
A	B	C
266	89	58

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



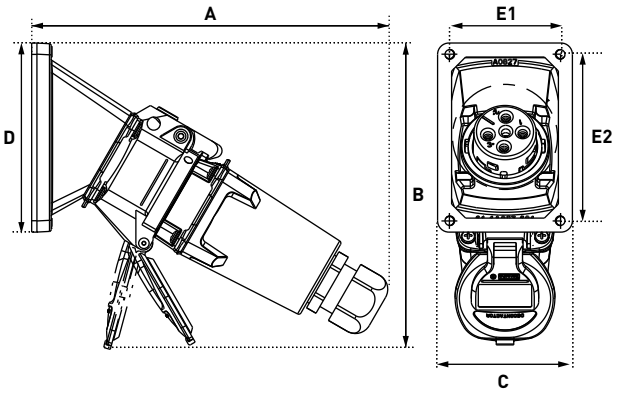
A	B	C	D	E1	E2
209	180	68	90	36/56	79

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



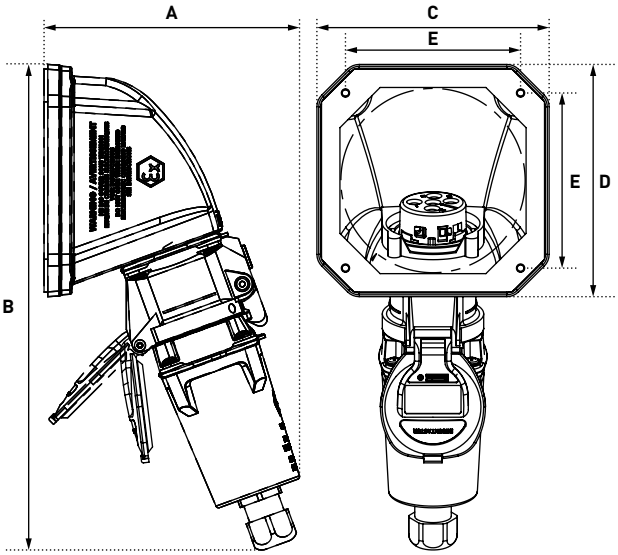
A	B	C	D	E1	E2
208	264	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
203	175	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
139	264	126	126	95

20 A

DECONTACTOR™ DX1

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex de IIC	tD A21
-25 °C ≤ Ta ≤ +60 °C	T5	T84 °C
-25 °C ≤ Ta ≤ +50 °C	T6	T74 °C

IECEx LCI 09.0014/LCIE 05 ATEX 6127

INSTRUCTIONS FOR USE

IP65
IP66

2,5-10 mm² (1)

METAL

IK10

-25 °C
+60 °C

ATEX

1, 2,
21, 22

EMC

(1) Flexible and stranded wiring (min.-max.).

Other configurations on request.

Locking position connected or disconnected by lockable shaft.

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4,
Type of protection	de, tD

Each socket-outlet must be associated with a box or a handle.

		SOCKET-OUTLET female DX1	INCLINED APPLIANCE inlet DX1		PLUG male DX1
190-250 V AC	1P+N+E	2624015	2626015	8-13 mm	2621015
380-440 V AC	3P+E	2624013	2626013	8-13 mm	2621013
380-440 V AC	3P+N+E	2624017	2626017	8-13 mm	2621017

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

REFERENCES AND ACCESSORIES

WALL BOX	Cable gland entry	Cable outer Ø	Reference
WALL BOX METAL 90° EX METAL CABLE GLAND INCLUDED*			
	M20	8-13 mm	262AB53
	M25	9-16 mm	262AB5325M
	M32	12-21 mm	262AB5332M

* Optional versions for earth continuity are available, please contact us

HANDLES	Cable gland entry	Cable outer Ø	Reference
STRAIGHT HANDLE METAL BOX EX METAL CABLE GLAND INCLUDED*			
	M20	8-13 mm	262A963
	M25	9-16 mm	262A95325M
	M32	12-21 mm	262A95332M

OPTIONS	Reference
INLET CAP IP65	
	262A926

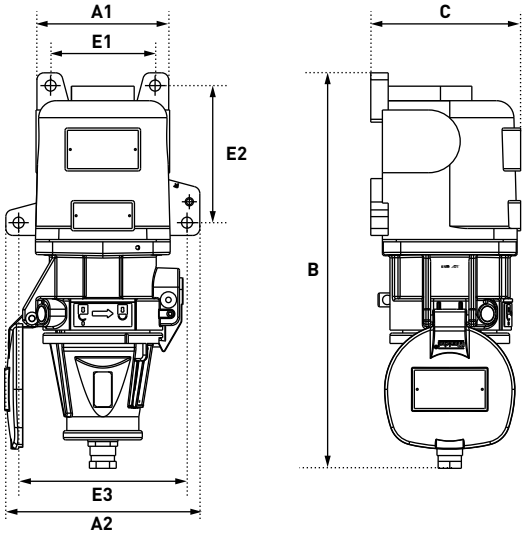
ELECTROMAGNETIC COMPATIBILITY (EMC)

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

DRAWINGS AND DIMENSIONS

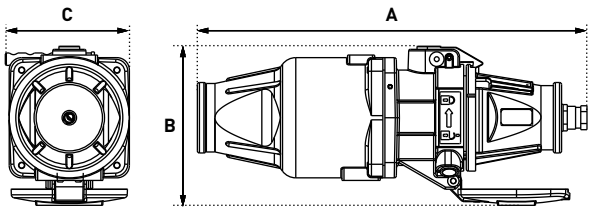
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON WALL MOUNTED SOCKET



A1	A2	B	C	E1	E2	E3
115	145	341	129	90	118	168

COUPLER



A	B	C
116	154	352

32 A

DECONTACTOR™ DX3

U MAX 750 V

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex de IIC	tD A21
-25 °C ≤ Ta ≤ +60 °C	T5	T84 °C
-25 °C ≤ Ta ≤ +50 °C	T6	T74 °C

IECEx LCI 09.0014/LCIE 05 ATEX 6127

INSTRUCTIONS FOR USE

IP65 IP66 | 2,5-10 mm² (1) | METAL | IK10 | -25 °C +60 °C | ATEX | 1, 2, 21, 22 | EMC

(1) Flexible and stranded wiring (min.-max.).

Other configurations on request.

Locking position connected or disconnected by lockable shaft.

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4,
Type of protection	de, tD

Each socket-outlet must be associated with a box or a handle.

		SOCKET-OUTLET female DX3		INCLINED appliance inlet DX3		PLUG male DX3
190-250 V AC	1P+N+E	2634015		2636015	9-16 mm	2631015
380-440 V AC	3P+E	2634013		2636013	9-16 mm	2631013
380-440 V AC	3P+N+E	2634017		2636017	9-16 mm	2631017

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

REFERENCES AND ACCESSORIES

WALL BOX	Cable gland entry	Cable outer Ø	Reference
WALL BOX METAL 90° EX METAL CABLE GLAND INCLUDED*			
	M20	8-13 mm	263AB5320M
	M25	9-16 mm	263AB53
	M32	12-21 mm	263AB5332M

* Optional versions for earth continuity are available, please contact us

OPTIONS	Reference
INLET CAP IP65	
	263A926

HANDLES	Cable gland entry	Cable outer Ø	Reference
STRAIGHT HANDLE METAL BOX EX METAL CABLE GLAND INCLUDED*			
	M20	8-13 mm	263A95320M
	M25	9-16 mm	263A963
	M32	12-21 mm	263A95332M

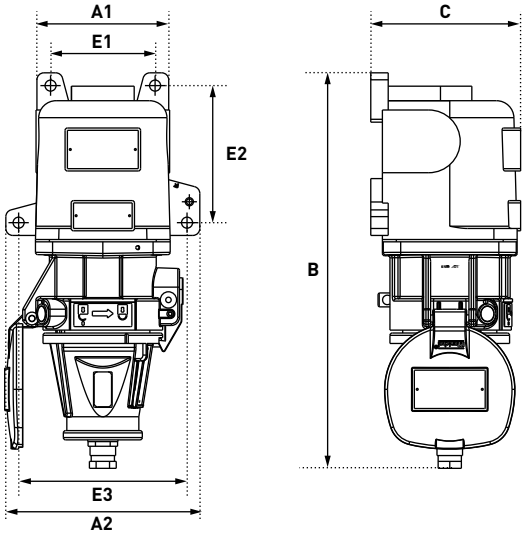
ELECTROMAGNETIC COMPATIBILITY (EMC)

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

DRAWINGS AND DIMENSIONS

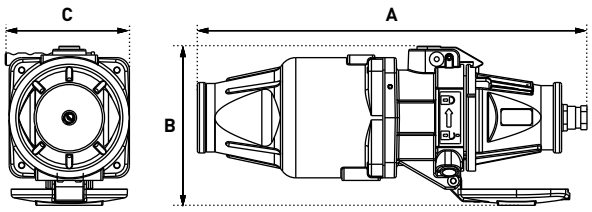
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON WALL MOUNTED SOCKET-OUTLET



A1	A2	B	C	E1	E2	E3
115	145	341	129	90	118	168

COUPLER



A	B	C
116	154	352

32 A

DECONTACTOR™ DXN3 ZONE 1-21

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex db eb IIC	T* Gb
	Ex tb IIIC	T* Db
*-40 °C ≤ Ta ≤ +60 °C	T5	T77 °C
-40 °C ≤ Ta ≤ +40 °C	T6	T57 °C

IECEx LCI 09.0006X/LCIE 05 ATEX 6149X

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 613A346

IP66 IP67	2,5-10 mm² (1) 2,5-16 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A DC-21A	ATEX	1, 2, 21, 22	2 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 1,5-2,5 mm², stranded : 1,5 - 4 mm².

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T6 for an ambient T° between -40 °C and +40 °C
	T5 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 57 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 77 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4, 60947-3
Type of protection	db eb, tb

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Load-break capability according to IEC/EN 60947-3/AC-22A	32 A/690 V
Load-break capability according to IEC/EN 60947-3/DC-21A	32 A/250 V

		SOCKET-OUTLET female **DXN3**	**INLET** male **DXN3**
20-24 V AC	2P	253408A	253808A
190-250 V AC	1P+N+E	2534015	2538015
380-440 V AC	3P+E	2534013	2538013
380-440 V AC	3P+N+E	2534017	2538017
480-500 V AC	3P+E	2534093	2538093
480-500 V AC	3P+N+E	2534097	2538097
550 V AC - Auxiliaries 5 A	+ 2 contacts	Ref. + 972	Ref. + 972

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	253A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.
SELF-EJECTION	
	See page 208
INTEGRATED FINGER DRAW PLATES + ROPE GUIDE ●	
This handle has integrated rope guide and finger draw plate, so there's no need to order a pair of additional finger draw plates.	

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	10-14 mm	253AB53
	30°	12-18 mm	253AB5325P
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M20	253AB53417
	30°	M25	253AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
120 X 120 mm	70°	10-14 mm	253AB8820P
	70°	12-18 mm	253AB8825P
	70°	16-25 mm	253AB8832P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
120 X 120 mm	70°	8-10 mm	253AB8820M
	70°	12-14 mm	253AB8825M
	70°	18-24 mm	253AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (IECEx LCIE 16.0042X/LCIE 16 ATEX 3054X) P. 326			
120 X 120 mm	70°	10-14 mm	253A08820P[1]
	70°	12-18 mm	253A08825P[1]
IN THIS CONFIGURATION U_{MAX} = 630 V			

1. Delivered with two predrilled entries fitted with 1 cable gland and 1 stopping plug, 8+2 terminals up to 10 mm² with 6 mm² wires. Wiring : 2.5-10 mm². For other configurations, contact us.

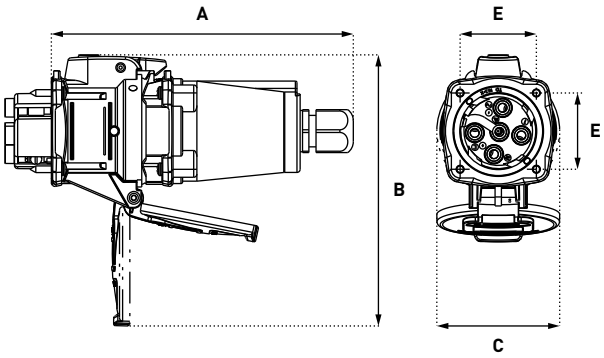
HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY ●		
	10-14 mm	253A753
	12-18 mm	253A783
	16-25 mm	253A25332P
	22-32 mm	253A25340P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY ●		
	8-10 mm	253A25320M
	12-14 mm	253A25325M
	18-24 mm	253A25332M

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	253A027
	70°	253A757

DRAWINGS AND DIMENSIONS

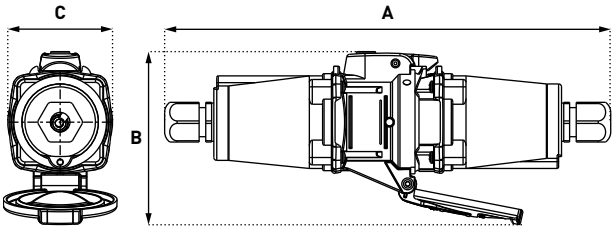
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



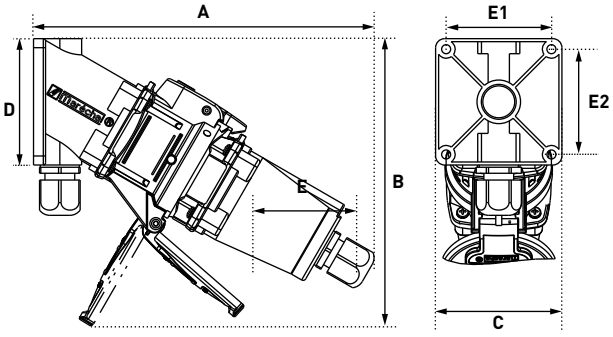
A	B	C	E
190	171	77	48

COUPLER



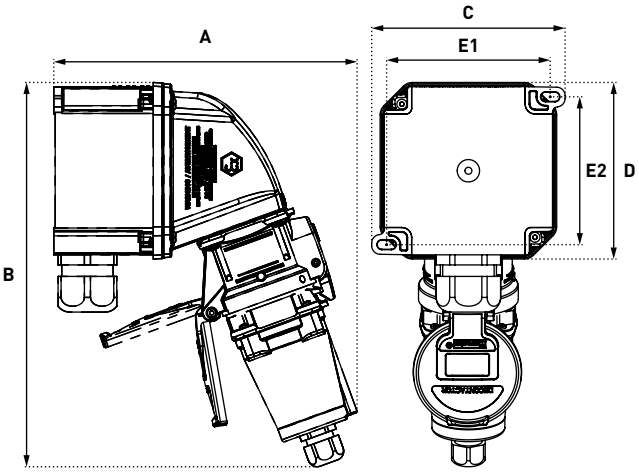
A	B	C
304	71	118

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



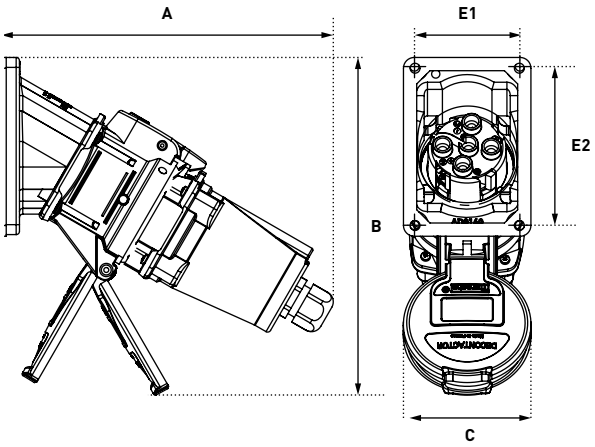
A	B	C	D	E1	E2
226	191	84	84	71	71

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



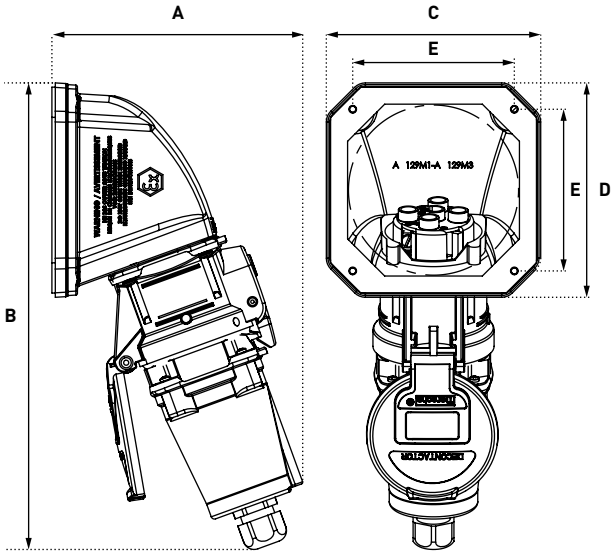
A	B	C	D	E1	E2
208	264	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
201	204	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
148	275	126	126	95

40 A

ZONE 2, 22 PLUGS & SOCKETS
DXN3

U MAX
690 V AC
690 V DC

MARECHAL ELECTRIC FRANCE

Ex II 3 G D	Ex ec IIC	T* Gc
	Ex tc IIIC	T* Dc
*-40 °C ≤ Ta ≤ +60 °C	T4	T115 °C
-40 °C ≤ Ta ≤ +40 °C	T5	T95 °C

TF: MAR X 23.0001

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 613A346

IP66 IP67	2,5-6 mm² (1) 2,5-10 mm² (2)	GRP	IK09	-40 °C +60 °C	ATEX	2, 22	2 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 2,5 - 6 mm², stranded : 2,5 - 10 mm².

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T5 for an ambient T° between -40 °C and +40 °C
	T4 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 95 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 115 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	IEC 61984, 60079-0, 60079-7, 60079-31
Type of protection	ec, tc

		SOCKET-OUTLET female **DXN3**	**INLET** male **DXN3**
20-24 V AC	2P	253408AMZ2	253808AMZ2
190-250 V AC	1P+N+E	2534015MZ2	2538015MZ2
380-440 V AC	3P+E	2534013MZ2	2538013MZ2
190-250 V AC / 380-440 V AC	3P+N+E	2534017MZ2	2538017MZ2
660-690 V AC	3P+E	2534193MZ2	2538193MZ2
380-440 V AC / 660-690 V AC	3P+N+E	2534197MZ2	2538197MZ2
440 V AC - Auxiliaries 30 A	+ 2 contacts	Ref. + 972MZ2	Ref. + 972MZ2

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
INLET CAP IP66/IP67	
	253A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.
INTEGRATED FINGER DRAW PLATES + ROPE GUIDE ●	
This handle has integrated rope guide and finger draw plate, so there's no need to order a pair of additional finger draw plates.	

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	10-14 mm	253AB53
	30°	12-18 mm	253AB5325P
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M20	253AB53417
	30°	M25	253AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
120 X 120 mm	70°	10-14 mm	253AB8820P
	70°	12-18 mm	253AB8825P
	70°	16-25 mm	253AB8832P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
120 X 120 mm	70°	8-10 mm	253AB8820M
	70°	12-14 mm	253AB8825M
	70°	18-24 mm	253AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (TF: MAR X 14.0001)			
120 X 120 mm	70°	10-14 mm	Nous consulter
	70°	12-18 mm	Nous consulter

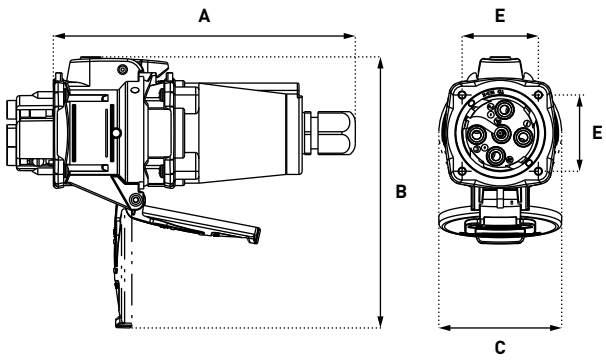
HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY ●		
	10-14 mm	253A753
	12-18 mm	253A783
	16-25 mm	253A25332P
	22-32 mm	253A25340P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY ●		
	8-10 mm	253A25320M
	12-14 mm	253A25325M
	18-24 mm	253A25332M

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	253A027
	70°	253A757

DRAWINGS AND DIMENSIONS

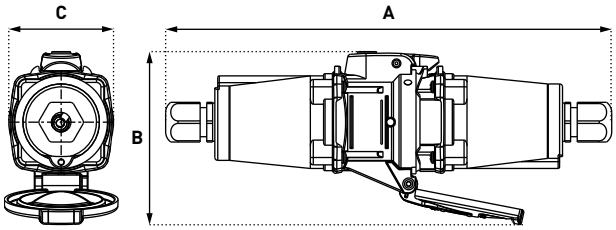
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



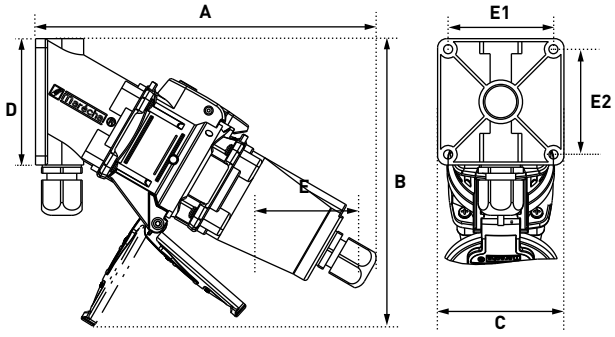
A	B	C	E
190	171	77	48

COUPLER



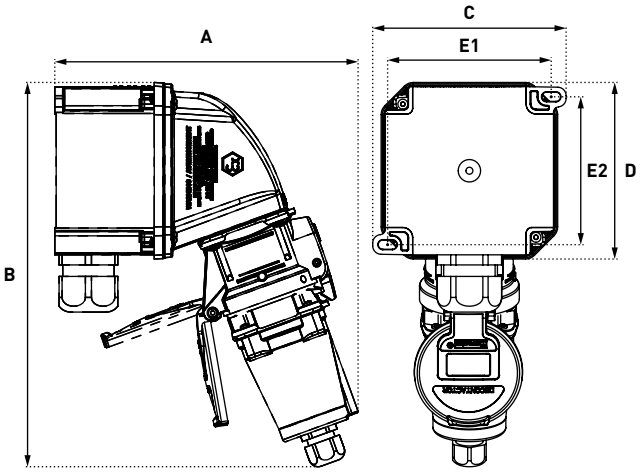
A	B	C
304	71	118

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



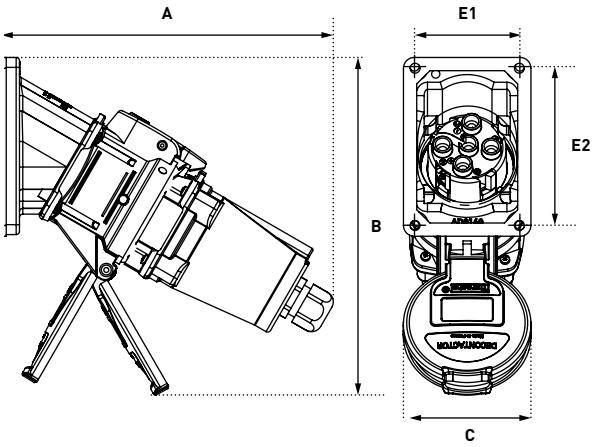
A	B	C	D	E1	E2
226	191	84	84	71	71

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



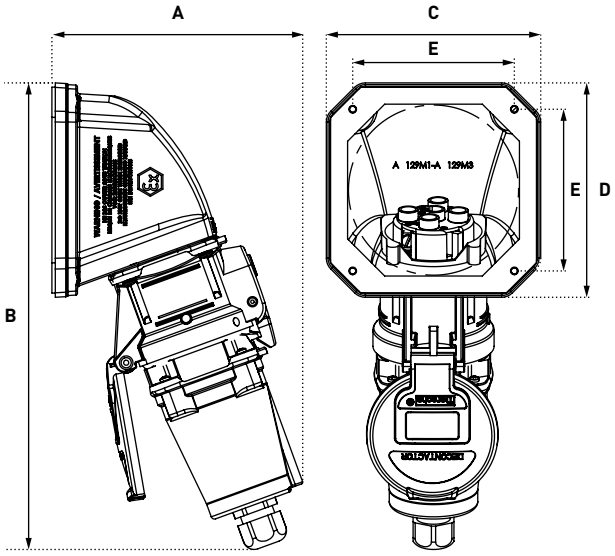
A	B	C	D	E1	E2
208	264	138	126	117	105.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
201	204	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
148	275	126	126	95

63 A

DECONTACTOR™ DXN6 ZONE 1-21

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex db eb IIC	T* Gb
	Ex tb IIIC	T* Db
*-40 °C ≤ Ta ≤ +60 °C	T4	T107 °C
-40 °C ≤ Ta ≤ +40 °C	T5	T87 °C

IECEx LCI 09.0007X/LCIE 05 ATEX 6150X

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP66 IP67	6-16 mm² (1) 6-25 mm² (2)	GRP	IK09	-40 °C +60 °C	AC-22A DC-21A	ATEX	1, 2, 21, 22	2 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 1,5 - 2,5 mm², stranded : 1,5 - 4 mm².

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T5 for an ambient T° between -40 °C and +40 °C
	T4 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 87 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 107 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4, 60947-3
Type of protection	db eb, tb

LOAD-BREAK CAPABILITY OF THE DECONTACTOR™	
Load-break capability according to IEC/EN 60947-3/AC-22A	63 A/440 V
Load-break capability according to IEC/EN 60947-3/DC-21A	63 A/250 V

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

SOCKET-OUTLET female **DXN6**

INLET male **DXN6**

20-24 V AC	2P	256408A	256808A
190-250 V AC	1P+N+E	2564015	2568015
380-440 V AC	3P+E	2564013	2568013
380-440 V AC	3P+N+E	2564017	2568017
480-500 V AC	3P+E	2564093	2568093
480-500 V AC	3P+N+E	2564097	2568097
550 V AC - Auxiliaries 5 A	+ 2 contacts	Ref. + 972	Ref. + 972

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCK NOT SUPPLIED)	
	Socket-outlet ref. + 843
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
LARGER RELEASE BUTTON	
	Socket-outlet ref. + 453
INLET CAP IP66/IP67	
	256A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.
SELF-EJECTION	
	See page 208

HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY		
	10-14 mm	256A25320P
	12-18 mm	256A753
	16-25 mm	256A25332P
	22-32 mm	256A25340P
POLY HANDLE WITH EX POLY GLAND FOR SELF-EJECTION OPTION		
	12-18 mm	256A463
	16-25 mm	256A44332P
	22-32 mm	256A44340P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY		
	8-10 mm	256A25320M
	12-14 mm	256A25325M
	18-24 mm	256A25332M

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	12-18 mm	256AB53
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M25	256AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
160 X 160 mm	70°	10-14 mm	256AB8820P
	70°	12-18 mm	256AB8825P
	70°	16-25 mm	256AB8832P
	70°	22-32 mm	256AB8840P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
160 X 160 mm	70°	8-10 mm	256AB8820M
	70°	12-14 mm	256AB8825M
	70°	18-24 mm	256AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (IECEx LCIE 16.0042X/LCIE 16 ATEX 3054X) P. 326			
160 X 160 mm	70°	10-14 mm	256A08820P[1]
	70°	12-18 mm	256A08825P[1]
	70°	16-25 mm	256A08832P[1]
	70°	22-32 mm	256A08840P[1]

IN THIS CONFIGURATION
U_{MAX} = 630 V
-40 °C ≤ Ta ≤ +55 °C T4 T105° C
-40 °C ≤ Ta ≤ +50 °C T5 T95 °C

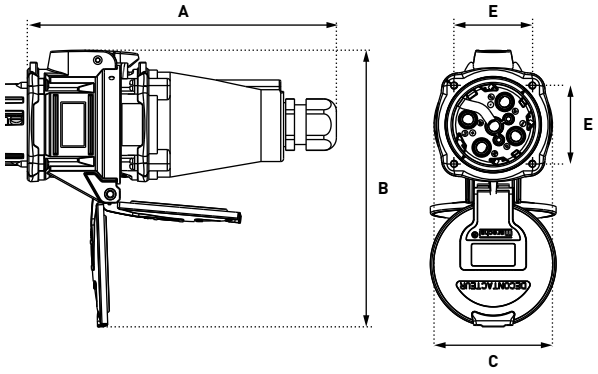
1. Delivered with two predrilled entries fitted with 1 cable gland and 1 stopping plug, 8+2 terminals up to 16 mm² with 16 mm² wires. Wiring : 6-16 mm². For other configurations, contact us.

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	256A027
	70°	256A757

DRAWINGS AND DIMENSIONS

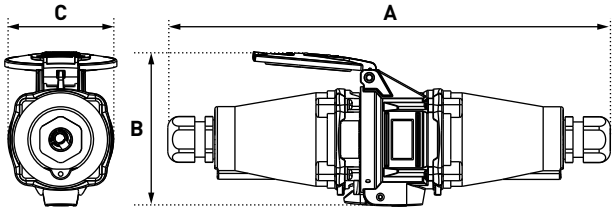
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



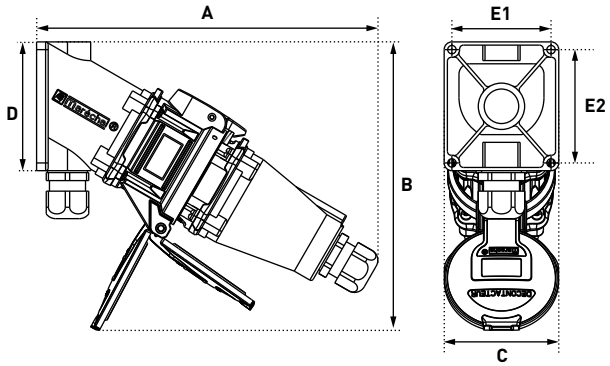
A	B	C	E
218	195	84	55

COUPLER



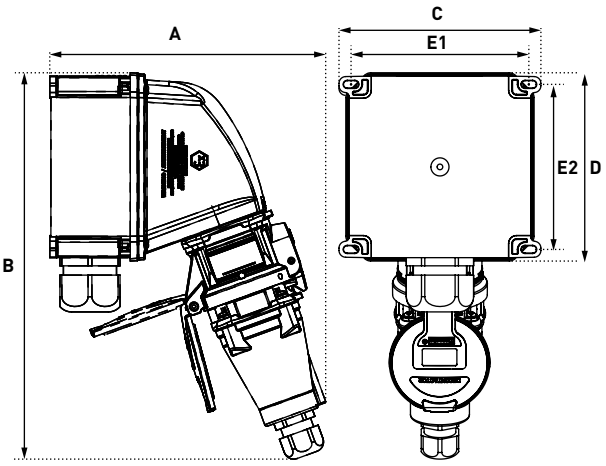
A	B	C
350	84	122

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



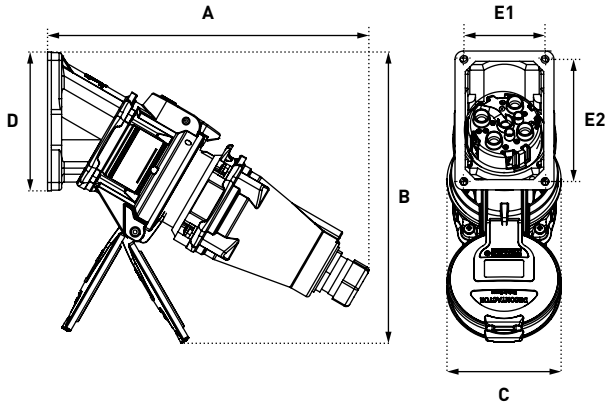
A	B	C	D	E1	E2
265	225	89	100	77	89

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



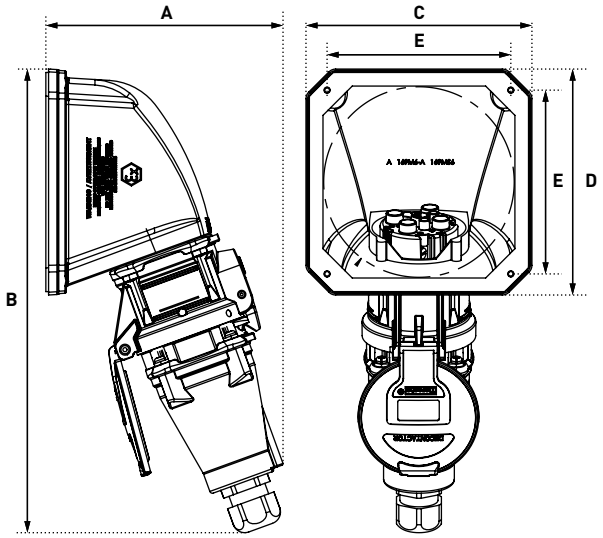
A	B	C	D	E1	E2
244	341	175	166	157	145.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
239	219	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
175	341	166	166	135

63 A

U MAX
1000 V AC
1000 V DC

ZONE 2, 22 PLUGS & SOCKETS
DXN6

MARECHAL ELECTRIC FRANCE

Ex II 3 G D	Ex ec IIC	T* Gc
	Ex tc IIIC	T* Dc
*-40 °C ≤ Ta ≤ +60 °C	T4	T105 °C
-40 °C ≤ Ta ≤ +40 °C	T5	T85 °C

TF: MAR X 23.0003

INSTRUCTIONS FOR USE

METAL VERSION AVAILABLE SOON

IN-LINE CONNECTIONS TO ORDER
A pair of finger draw plates to aid closing
Reference 616A346

IP66 IP67	6-16 mm² (1) 10-25 mm² (2)	GRP	IK09	-40 °C +60 °C	ATEX	2, 22	2 AUX. (3)

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).
(3) Flexible wiring : 1 - 2,5 mm², stranded : 1,5 - 4 mm².

Other configurations on request.

TEMPERATURE RATING	
Gas temperature classes	T5 for an ambient T° between -40 °C and +40 °C
	T4 for an ambient T° between -40 °C and +60 °C
Dust surface temperature classes	Surface T° ≤ 85 °C for an ambient T° between -40 °C and +40 °C
	Surface T° ≤ 105 °C for an ambient T° between -40 °C and +60 °C

STANDARDS	
International and European IEC/EN standards	61984, 60079-0, 60079-7, 60079-31
Type of protection	ec, tc

SOCKET-OUTLET female **DXN6**

INLET male **DXN6**

20-24 V AC	2P	256408AMZ2	256808AMZ2
190-250 V AC	1P+N+E	2564015MZ2	2568015MZ2
380-440 V AC	3P+E	2564013MZ2	2568013MZ2
190-250 V AC / 380-440 V AC	3P+N+E	2564017MZ2	2568017MZ2
480-500 V AC	3P+E	2564193MZ2	2568193MZ2
380-440 V AC / 660-690 V AC	3P+N+E	2564197MZ2	2568197MZ2
440 V AC - Auxiliaries 16 A	+ 2 contacts	Ref. + 972MZ2	Ref. + 972MZ2

Each socket-outlet or inlet must be associated with a box, a sleeve or a handle.

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

OPTIONS	Reference
SAFETY HASP FOR UP TO 6 PADLOCKS	
	613A541
INLET CAP IP66/IP67	
	256A426
SELF CLOSING/SELF RETURNING LID	
	Socket-outlet ref. + R
COMPATIBILITY WITH DSN SOCKET-OUTLET (INDUSTRIAL RANGE)	
	Contact us.

WALL BOX	Incline angle	Input/Cable outer Ø	Reference
WALL BOX POLY WITH EX POLY CABLE GLAND			
	30°	12-18 mm	256AB53
WALL BOX POLY WITHOUT CABLE GLAND			
	30°	M25	256AB53418
WALL BOX POLY WITH EX POLY CABLE GLAND			
160 X 160 mm	70°	10-14 mm	256AB8820P
	70°	12-18 mm	256AB8825P
	70°	16-25 mm	256AB8832P
	70°	22-32 mm	256AB8840P
WALL BOX POLY WITH METAL CABLE GLAND WITH EARTH CONTINUITY			
160 X 160 mm	70°	8-10 mm	256AB8820M
	70°	12-14 mm	256AB8825M
	70°	18-24 mm	256AB8832M
WALL BOX POLY WITH TERMINAL BLOCKS (TF: MAR X 14.0001)			
160 X 160 mm	70°	10-14 mm	Contact us.
	70°	12-18 mm	Contact us.
	70°	16-25 mm	Contact us.
	70°	22-32 mm	Contact us.

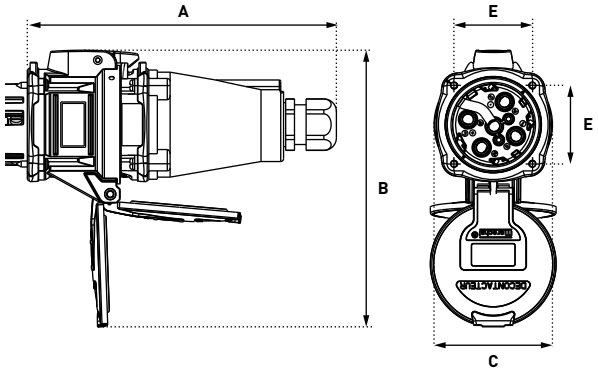
HANDLE	Cable outer Ø	Reference
POLY HANDLE WITH GLAND EX POLY		
	10-14 mm	256A25320P
	12-18 mm	256A753
	16-25 mm	256A25332P
	22-32 mm	256A25340P
STRAIGHT POLY HANDLE WITH METAL CABLE GLAND WITH EARTH CONTINUITY		
	8-10 mm	256A25320M
	12-14 mm	256A25325M
	18-24 mm	256A25332M

SLEEVE	Incline angle	Reference
INCLINED POLY SLEEVE		
	30°	256A027
	70°	256A757

DRAWINGS AND DIMENSIONS

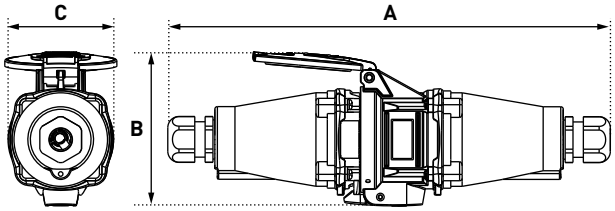
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON SOCKET-OUTLET



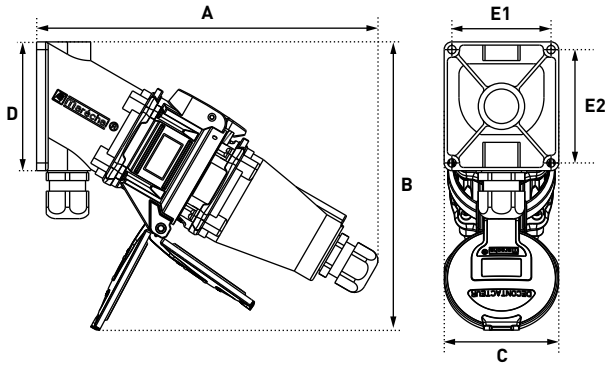
A	B	C	E
218	195	84	55

COUPLER



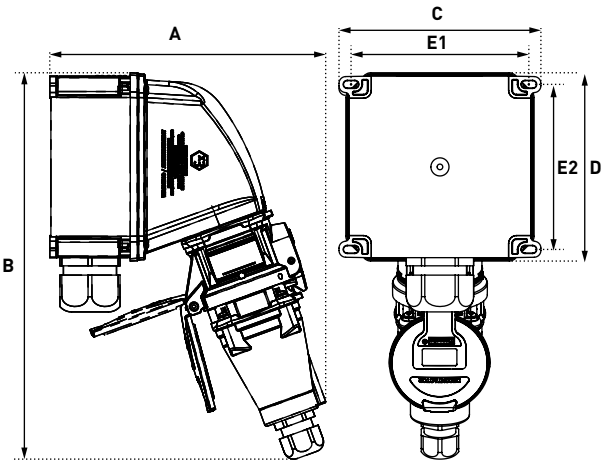
A	B	C
350	84	122

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



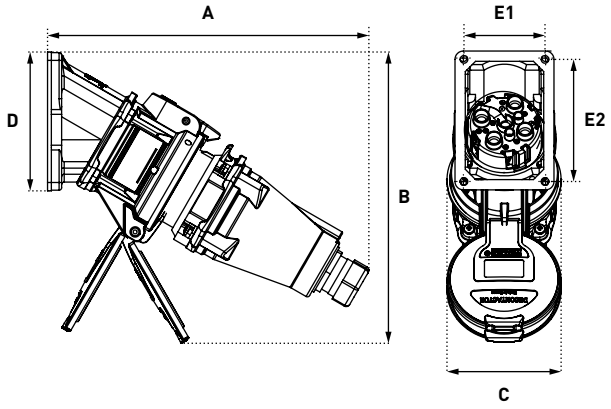
A	B	C	D	E1	E2
265	225	89	100	77	89

PLUG ON 70° WALL-MOUNTED SOCKET-OUTLET



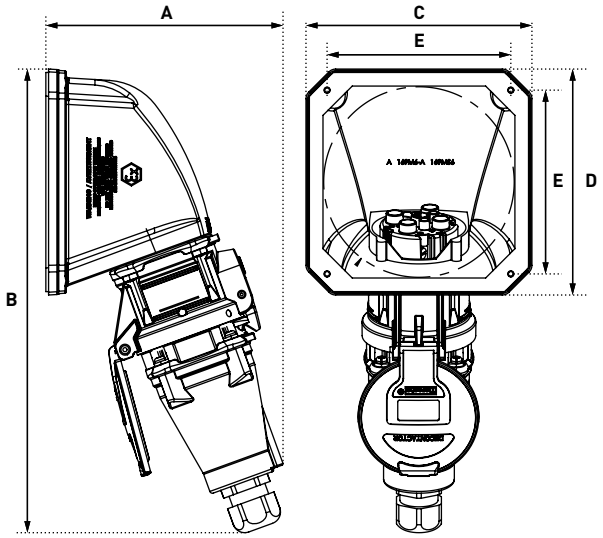
A	B	C	D	E1	E2
244	341	175	166	157	145.5

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
239	219	77	108	64	96

PLUG ON 70° INCLINED SOCKET-OUTLET



A	B	C	D	E
175	341	166	166	135

63 A

DECONTACTOR™ DX6

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex de IIC	tD A21
-40 °C ≤ Ta ≤ +60 °C	T5	T90 °C
-40 °C ≤ Ta ≤ +50 °C	T6	T80 °C

IECEx LCI 09.0015/LCIE 04 ATEX 6038

INSTRUCTIONS FOR USE

IP65 IP66	16-35 mm² (1) 16-50 mm² (2)	METAL	IK10	-40 °C +60 °C	ATEX	1, 2, 21, 22	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Other configurations on request.

Locking position connected or disconnected by lockable shaft.

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4
Type of protection	de, tD

Each socket-outlet must be associated with a box or a handle.

		SOCKET-OUTLET female DX6	INCLINED APPLIANCE inlet DX6		PLUG male DX6
190-250 V AC	1P+N+E	2664015	2666015	12-21 mm	2661015
380-440 V AC	3P+E	2664013	2666013	12-21 mm	2661013
380-440 V AC	3P+N+E	2664017	2666017	12-21 mm	2661017

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

REFERENCES AND ACCESSORIES

WALL BOX	Cable gland entry	Cable outer Ø	Reference
WALL BOX METAL 90° EX METAL CABLE GLAND INCLUDED*			
	M25	9-16 mm	266AB5325M
	M32	12-21 mm	266AB53
	M40	16-27 mm	266AB5340M

* Optional versions for earth continuity are available, please contact us

OPTIONS	Reference
INLET CAP IP65	
	266A926

HANDLES	Cable gland entry	Cable outer Ø	Reference
STRAIGHT HANDLE METAL BOX EX METAL CABLE GLAND INCLUDED*			
	M25	9-16 mm	266A95325M
	M32	12-21 mm	266A963
	M40	16-27 mm	266A95340M

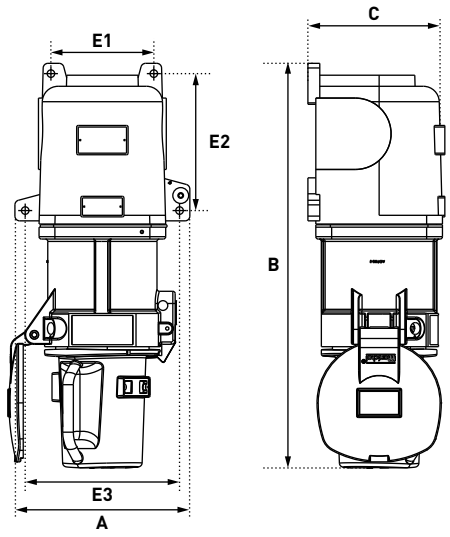
ELECTROMAGNETIC COMPATIBILITY (EMC)

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

DRAWINGS AND DIMENSIONS

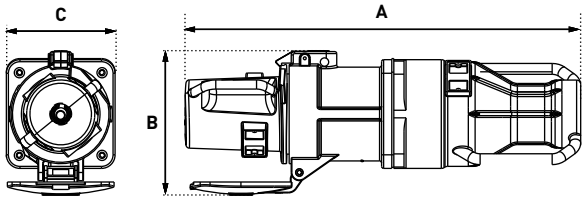
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON WALL MOUNTED SOCKET-OUTLET



A	B	C	E1	E2	E3
221	511	173	130	173	195

COUPLER



A	B	C
582	212	160

125 A

DECONTACTOR™ DX9

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE

Ex II 2 G D	Ex de IIC	tD A21
-40 °C ≤ Ta ≤ +60 °C	T5	T90 °C
-40 °C ≤ Ta ≤ +50 °C	T6	T80 °C

IECEx LCI 09.0015/LCIE 04 ATEX 6038

INSTRUCTIONS FOR USE

IP65 IP66	35-50 mm² (1) 50-70 mm² (2)	METAL	IK10	-40 °C +60 °C	ATEX	1, 2, 21, 22	EMC

(1) Flexible wiring (min.-max.).
(2) Stranded wiring (min.-max.).

Other configurations on request.

Locking position connected or disconnected by lockable shaft.

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4
Type of protection	de, tD

SOCKET-OUTLET female DX9			INCLINED APPLIANCE inlet DX9		PLUG male DX9
380-440 V AC	3P+E	2694013	2696013	16-27 mm	2691013
				23-35 mm	269101350M
				36-48 mm	269101363M
380-440 V AC	3P+N+E	2694017	2696017	16-27 mm	2691017
				23-35 mm	269101750M
				36-48 mm	269101763M

Each socket-outlet must be associated with a box or a handle.

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

REFERENCES AND ACCESSORIES

WALL BOX	Cable gland entry	Cable outer Ø	Reference
WALL BOX METAL 90° EX METAL CABLE GLAND INCLUDED*			
	M32	12-21 mm	269AB5332M
	M40	16-27 mm	269AB53
	M50	23-35 mm	269AB5350M
	M63	36-48 mm	269AB5363M

HANDLES	Cable gland entry	Cable outer Ø	Reference
STRAIGHT HANDLE METAL BOX EX METAL CABLE GLAND INCLUDED*			
	M32	12-21 mm	269A95332M
	M40	16-27 mm	269A963
	M50	23-35 mm	269A95350M
	M63	36-48 mm	269A95363M

* Optional versions for earth continuity are available, please contact us

OPTIONS	Reference
INLET CAP IP65	
	269A926

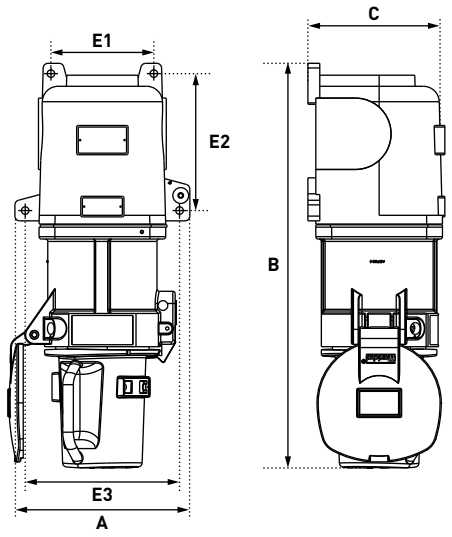
ELECTROMAGNETIC COMPATIBILITY (EMC)

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

DRAWINGS AND DIMENSIONS

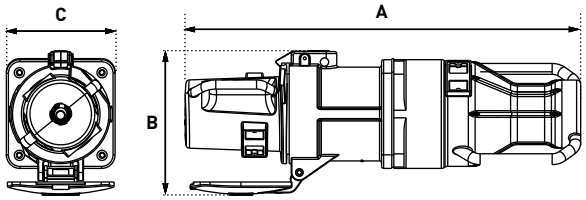
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON WALL MOUNTED SOCKET-OUTLET



A	B	C	E1	E2	E3
221	511	173	130	173	195

COUPLER



A	B	C
582	212	160

200 A

DECONTACTOR™ DX2

U MAX
750 V AC
750 V DC

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex de IIC tD A21
-40 °C ≤ Ta ≤ +60 °C T3 T91 °C
IECEx LCI 09.0015/LCIE 04 ATEX 6038

INSTRUCTIONS FOR USE

IP65 IP66	50 mm² (1) 70 mm² (2)	METAL	IK10	-40 °C +60 °C	ATEX	1, 2, 21, 22	EMC

(1) Flexible wiring.
(2) Stranded wiring.

Other configurations on request.

Locking position connected or disconnected by lockable shaft.

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-1, 60079-7, 60079-31, 60309-1, 60309-4,
Type of protection	de, tD

Each socket-outlet must be associated with a box or a handle.

		SOCKET-OUTLET female **DX2**		**INCLINED APPLIANCE** inlet **DX2**		**PLUG** male **DX2**
380-440 V AC	3P+E	2674013	2676013	36-48 mm		2671013
380-440 V AC	3P+N+E	2674017	2676017	36-48 mm		2671017

▶ Other currents, voltages, frequencies and contact configurations are available (see page 21).

REFERENCES AND ACCESSORIES

WALL BOX	Cable gland entry	Cable outer Ø	Reference
WALL BOX METAL 90° EX METAL CABLE GLAND INCLUDED*			
	M63	36-48 mm	267AB53

* Optional versions for earth continuity are available, please contact us

HANDLES	Cable gland entry	Cable outer Ø	Reference
STRAIGHT HANDLE METAL BOX EX METAL CABLE GLAND INCLUDED*			
	M63	36-48 mm	267A963

OPTIONS	Reference
INLET CAP IP65	
	267A926

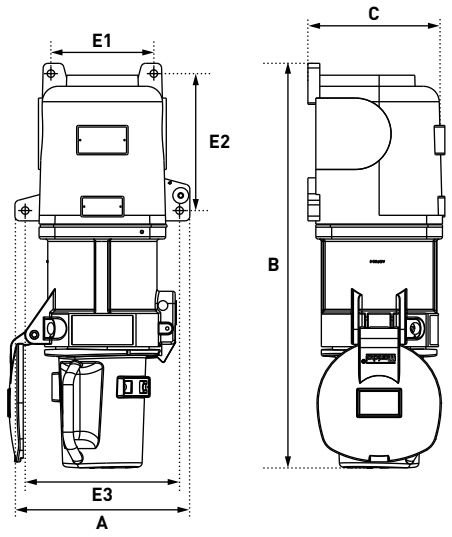
ELECTROMAGNETIC COMPATIBILITY (EMC)

Please order a metal threaded accessory herewith, together with a EMC cable gland to be found on page 352.

DRAWINGS AND DIMENSIONS

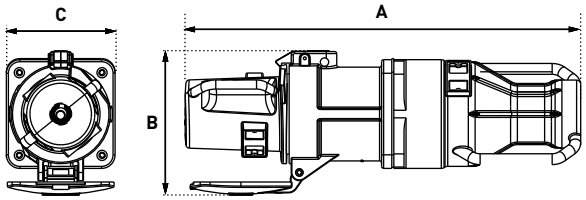
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON WALL MOUNTED SOCKET-OUTLET



A	B	C	E1	E2	E3
221	511	173	130	173	195

COUPLER



A	B	C
582	212	160

SPeX SINGLE POLE CONNECTORS COMPLY WITH:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31 international and European standards,
- BUREAU VERITAS Marine specifications.

SPeX CERTIFICATION BODIES

SPeX are certified by LCIE (ATEX and IECEx), NANIO (TR CU EAC), cCSAus (french, russian and americano-canadian* notified bodies) and by BUREAU VERITAS MARINE.

* for North American market.

680 A

SPeX SINGLE POLE CONNECTOR

II 2 G D Ex e IIC Gb, Ex tb IIIC Db

IP65/IP66

Temperature rating -20 °C to +60 °C

Electromechanical interlocking system

Mechanic and visual keying

THE HIGHEST POSSIBLE SAFETY

- IP2X socket-outlet when cap removed,
- Automatic IP65/IP66 when plug is connected.

AN EASY-TO-USE CONNECTOR

- Straight insertion of the plug into the socket-outlet,
- Different mechanical keying for L1, L2, L3, N and E, positive and negative (DC)
- Visual identification by standard colours.

SPeX Ex CLASSIFICATION ACCORDING TO CABLE CROSS-SECTION AND AMBIENT TEMPERATURE

	-20 °C ≤ Ta ≤ +40 °C G D T5/T56 °C	-20 °C ≤ Ta ≤ +40 °C G D T6/T56 °C	-20 °C ≤ Ta ≤ +60 °C G D T5/T76 °C
70 mm²	290 A	235 A	235 A
95 mm²	415 A	335 A	335 A
120 mm²	456 A	376 A	376 A
150 mm²	493 A	415 A	415 A
185 mm²	530 A	450 A	450 A
240 mm²	570 A	497 A	497 A
300 mm²	620 A	540 A	540 A
400 mm²	680 A	600 A	600 A

Performances

With 240 mm² wiring, the SPeX accepts a permanent current up to 570 A/1000 V AC with T5 EX classification at 40 °C ambient temperature.

❶ Colour coding system according to country standard.

❷ Operating ring of the electromechanical interlocking system.

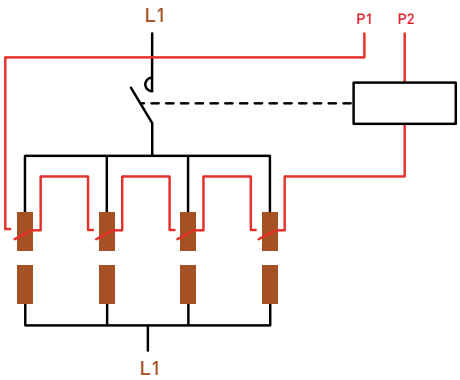
❸ Release button.

❹ Closing lever, this can be fitted to the socket or plug.

❺ Automatically IP66 when connected (dust and water hose down).

❻ Mechanical colored keying ring of L1, L2, L3, N and E.

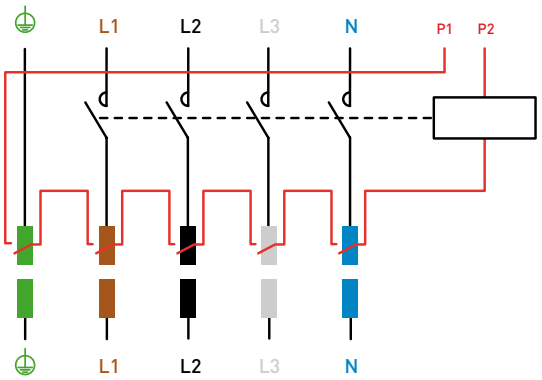
INTERLOCKING ELECTRICAL WIRING DIAGRAM: INCREASED POWER WITH PARALLEL CONNECTION



Pilot wiring is mandatory to break and mate on load

ENERGY DISTRIBUTION SYSTEM WITH SEPARATE CONNECTION OF CONTACTS

The pilot contact breaks the circuit in conformity with Ex Directive (increased safety "e"). **External control contactor not supplied by MARECHAL.**



680 A

SINGLE POLE POWER CONNECTOR SPeX

U MAX
1 000 V AC
1 000 V DC

MARECHAL ELECTRIC FRANCE

II 2 G D — Ex e IIC Gb, Ex tb IIIC Db

IECEx LCI 12.0005X/LCIE 07 ATEX 6073 X

INSTRUCTIONS FOR USE

IP65
IP66

SEE TABLE

GRP

IK08

-20 °C
+60 °C

ATEX

1, 2,
21, 22

LEVER MECHANISM TO BE ORDERED SEPARATELY
Compatible with socket or inlet since 2018
Lever mechanism : 454A876
Draw base : 454A396

OTHER FEATURES	
Rated current	According to temperature class and section of cable
Number of operations	2000
Pre-wired pilot circuit	6 A/250 V
Short-circuit current Icc	20 kA during 250 ms

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-31
Type of protection	e, tb

COLOR coding

INCLINED socket female
SPeX WITHOUT LUG

PLUG male
SPeX WITHOUT LUG

Type	Europe*	Reference	Reference 16-25 mm	Reference 22-32 mm	Reference 28-38 mm	Reference 40-43 mm
L1	Brown	4647001	464100132P	464100140P	464100150P	464100163P
L2	Black	4647002	464100232P	464100240P	464100250P	464100263P
L3	Grey	4647003	464100332P	464100340P	464100350P	464100363P
Neutral	Blue	464700N	464100N32P	464100N40P	464100N50P	464100N63P
Earth	Green	464700T	464100T32P	464100T40P	464100T50P	464100T63P
Positive	Red	464700P	464100P32P	464100P40P	464100P50P	464100P63P
Negative	Black	464700M	464100M32P	464100M40P	464100M50P	464100M63P

* The indicated references are valid for Europe and Japan.
For mobile socket-outlets or wall-mounted inlet references, contact us.

INCLINED socket female
COLOR coding **SPeX WITHOUT LUG**

PLUG male
SPeX WITHOUT LUG

Type	Australia and New Zealand	Reference	Reference 16-25 mm	Reference 22-32 mm	Reference 28-38 mm	Reference 40-43 mm
L1	Red	4347001	434100132P	434100140P	434100150P	434100163P
L2	White	4347002	434100232P	434100240P	434100250P	434100263P
L3	Blue	4347003	434100332P	434100340P	434100350P	434100363P
Neutral	Black	434700N	434100N32P	434100N40P	434100N50P	434100N63P
Earth	Green	434700T	434100T32P	434100T40P	434100T50P	434100T63P
Positive	Red	434700P	434100P32P	434100P40P	434100P50P	434100P63P
Negative	Black	434700M	434100M32P	434100M40P	434100M50P	434100M63P

For the UK, South Africa and India, replace the first two digits by 44.

Type	USA	Reference	Reference 16-25 mm	Reference 22-32 mm	Reference 28-38 mm	Reference 40-43 mm
L1	Black	4247001*	424100132P	424100140P	424100150P	424100163P
L2	Red	4247002*	424100232P	424100240P	424100250P	424100263P
L3	Blue	4247003*	424100332P	424100340P	424100350P	424100363P
Neutral	White	424700N*	424100N32P	424100N40P	424100N50P	424100N63P
Earth	Green	424700T*	424100T32P	424100T40P	424100T50P	424100T63P
Positive	Red	424700P*	424100P32P	424100P40P	424100P50P	424100P63P
Negative	Black	424700M*	424100M32P	424100M40P	424100M50P	424100M63P

* cCSAus certified products.
For mobile socket-outlets or wall-mounted inlet references, contact us.

LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.

Cable cross-section (mm^2)	Straight with hole	Straight threaded M12	Internal diameter (mm)	External diameter (mm)*	Crimping die
	Reference	Reference			
70	454A50C	454A50D	11	15	HCU/70
95	454A70C	454A70D	13.1	18	HCU/95
120	454A95C	454A95D	14.5	19	HCU/120
150	454A12C	454A12D	16.2	21	HCU/150
185	454A15C	454A15D	18	24	HCU/185
240	454A18C	454A18D	20.6	26	HCU/240
300	454A24C	454A24D	23.1	29	HCU/300
400	454A30C	454A30D	26.1	32	HCU/400
500	454A40C	454A40D	29.2	40	HCU/500
630	454A500C	454A500D	33.2	42	HCU/630
/	/	454A63D	37.6	52	HCU/800

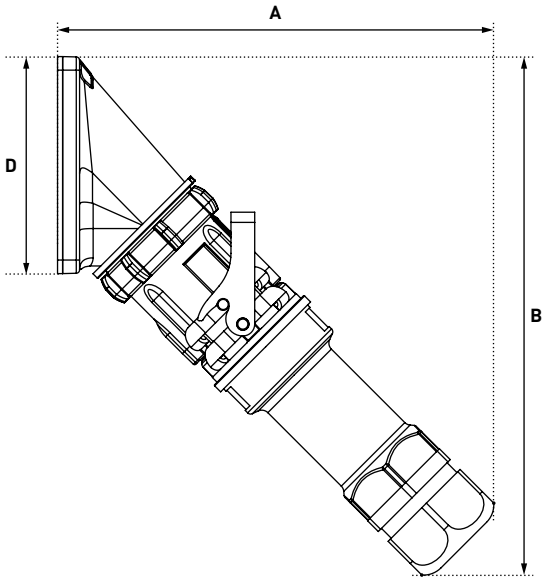
For male contact, wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us). Crimping: Double hexagonal crimping is recommended.
*Select the crimping tool according to the outside diameter of your lug.

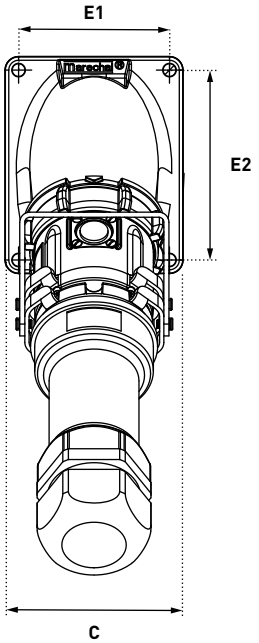
ACCESSORIES	Reference
LOCKING PIN FOR 2 PADLOCKS Ø 4 TO 8 mm (PADLOCKS NOT SUPPLIED)	
Flat key lock for Ø 4 to 8 mm padlocks (padlock not supplied)	454A843

DRAWINGS AND DIMENSIONS

DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON 30° ANGLED SOCKET-OUTLET





	A	B	C	D	E1	E2
SP M50	254	306	105	128	89	112

BEYOND CONNECTIONS

SPeX is a secure and reliable single-pole connector designed for applications requiring high power, with a substantial capacity to withstand frequent overcurrent conditions, up to 10*In. It is intended for use in explosive atmospheres (zones 1, 2, 21, 22).

MARECHAL ELECTRIC

BEYOND CONNECTIONS

LOW-CURRENT CONNECTORS FROM 12 TO 37 CONTACTS

12 CONTACTS

PXN12C
10 A

25 CONTACTS

DXN25C
10 A

37 CONTACTS

DXN37C
10 A

II 2 G D Ex e IIC Gb, Ex tb IIIC Db

II 2 G D Ex ia/ib IIC Gb

Padlocking when connected or disconnected

Corrosion protected metal casing

MULTICONTACTS **PXN12C, DXN25C** AND **DXN37C** CONNECTORS COMPLY WITH:

- ATEX European Directive (affixing "Ex" symbol and CE marking),
- RoHS Directive (affixing CE marking),
- REACH European Regulation,
- IEC/EN 60079-0, IEC/EN 60079-7 and IEC/EN 60079-31 standards.

PXN12C, DXN25C AND **DXN37C** CERTIFICATION BODIES

Products are certified by LCIE (ATEX and IECEx), NANIO (TR CU EAC), INTERTEK (RETIE) and KGS (KCS*) (French, Eurasian, Colombian and South Korean notified bodies).

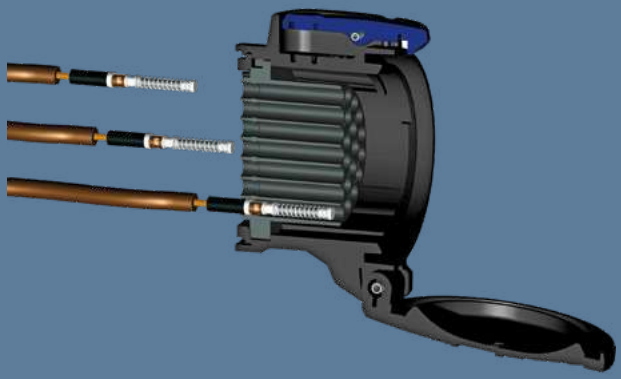
*DXN37C excluded

FROM 12 TO 37 CONTACTS

SIMPLE ASSEMBLY AND DISASSEMBLY

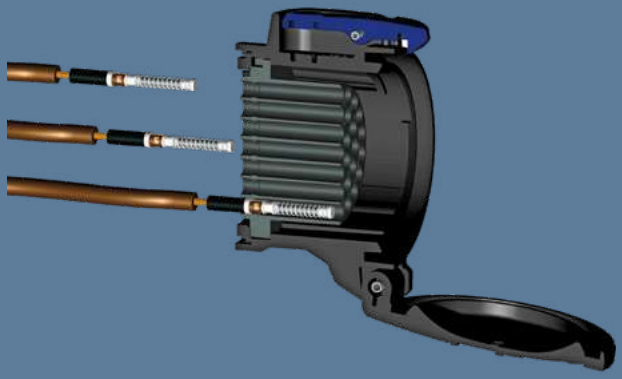
ASSEMBLY

To insert contacts when they have been wired is simple.
Push wired contact into rear of insulator until it stops to complete the installation.



DISASSEMBLY

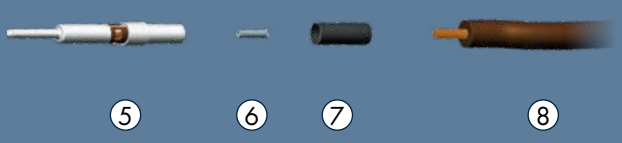
To remove, use the tool provided.
Push tool from front onto contact until tool stops.
Contact is then released at rear of insulator.



SOCKET-OUTLET SIDE

❶ Cable.
❷ Insulation sleeve.
❸ Ferrule.
❹ Female contact silver plated.

CONNECTOR SIDE



❺ Male contact silver plated + silver-nickel tips.
❻ Ferrule.
❼ Insulation sleeve.
❽ Cable.

12 CONTACTS

U MAX
220 V AC
220 V DC

10 A CONNECTORS MULTICONTACTS PXN12C

INSTRUCTIONS FOR USE

GRP VERSION AVAILABLE SOON

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex e IIC T5 Gb
Ex tb IIIC T69 °C Db
-40 °C ≤ Ta ≤ +55 °C
IECEx LCIE 14.0041X/LCIE 07 ATEX 6070X

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex ia/ib IIC T6 Gb
Ex tb IIIC T69 °C Db
-40 °C ≤ Ta ≤ +55 °C
IECEx LCIE 14.0041X/LCIE 07 ATEX 6070X

IP65 IP66	1-2,5 mm²	METAL	IK09	-40 °C +55 °C	ATEX	1, 2, 21, 22

OTHER FEATURES	
Rated current (with wiring according to standard)	4-20 mA/10 A
Terminals wiring	crimping
Flexible wiring (min.-max.).	1-2,5 mm²

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-31
Type of protection	e, tb ia/ib, tb (consult us)

REFERENCES AND ACCESSORIES

WALL MOUNTING socket female **PXN12C**

Input	Cable outer Ø	Reference
M25	9-16 mm	06A000125M
M32	12-21 mm	06A0001

PLUG male **PXN12C**

Input	Cable outer Ø	Reference
M25	9-16 mm	06A100125M
M32	12-21 mm	06A1001

Connection or disconnection screw locking imprint BTR 2.5.

INCLINED SOCKET FEMALE PXN12C

Reference
06A7001

INCLINED APPLIANCE inlet male **PXN12C**

Reference
06A9001

Each product is supplied with 1 bag of 13 contacts depending on the maximum configuration. This allows you to set up the product to suit your needs.

COUPLER SOCKET female **PXN12C**

Input	Cable outer Ø	Reference
M25	9-16 mm	06A300125M
M32	12-21 mm	06A3001

INCLINED APPLIANCE inlet **PXN12C**

Input	Cable outer Ø	Reference
M25	9-16 mm	06A600125M
M32	12-21 mm	06A6001

INFO +

Leaving 2 contacts unused can give 9 different keying positions (on socket-outlet side or mobile plug side) using the two specific stopping plugs supplied.

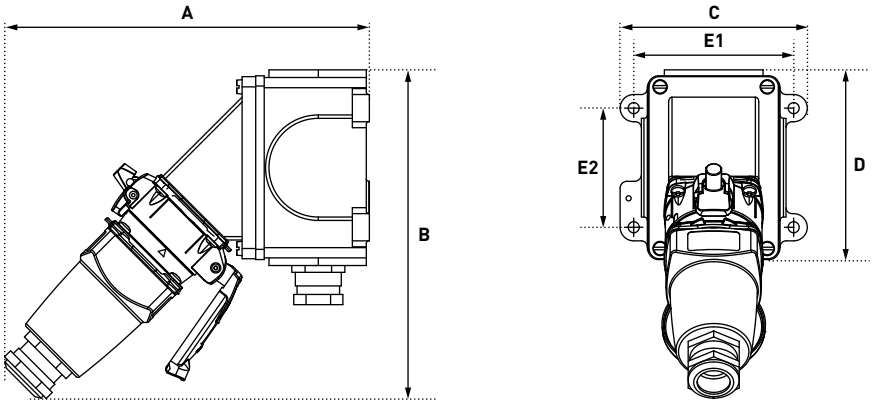
SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	01AA113
REMOVAL KEY	61CA593

OPTIONS	Reference
CRIMPING TOOL	61CA500
HELAVIA SLEEVE EXPANSION TOOL	61CA400
BAG OF 13 HEAT SHRINK INSULATION SLEEVES (TO REPLACE THE INSULATION SLEEVES SUPPLIED AS STANDARD)	61CA083
INLET CAP	01NA426

DRAWINGS AND DIMENSIONS

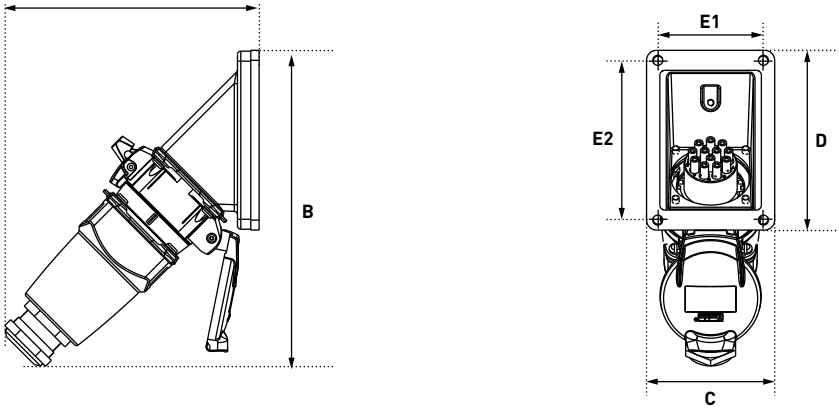
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON 45° WALL MOUNTED SOCKET-OUTLET



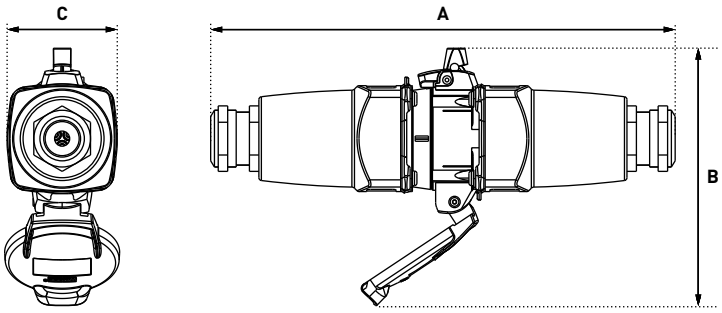
A	B	C	D	E1	E2
213	193	110	114	94	70

PLUG ON 45° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
153	189	77	107	63	95

COUPLER



A	B	C
246	136	58

25 CONTACTS

U MAX
440 V AC
440 V DC

10 A CONNECTORS MULTICONTACTS DXN25C

GRP VERSION AVAILABLE SOON

INSTRUCTIONS FOR USE

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex e IIC T* Gb
Ex tb IIIC T* Db
*-40 °C ≤ Ta ≤ +40 °C : T6 T51°C
*-40 °C ≤ Ta ≤ +60 °C : T5 T71°C
IECEx LCIE 14.0040X/LCIE 09 ATEX 3050X

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex ia/ib IIC T6 Gb
Ex tb IIIC T* Db
*-40 °C ≤ Ta ≤ +40 °C : T51°C
*-40 °C ≤ Ta ≤ +60 °C : T71°C
IECEx LCIE 14.0040X/LCIE 09 ATEX 3050X

IP66 IP67	1-2,5 mm²	METAL	IK09	-40 °C +60 °C	ATEX	1, 2, 21, 22

OTHER FEATURES	
Rated current (with wiring according to standard)	4-20 mA/10 A
Terminals wiring	crimping
Flexible wiring (min.-max.).	1-2,5 mm²

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-31
Type of protection	e, tb ia/ib, tb (consult us)

REFERENCES AND ACCESSORIES

WALL MOUNTING socket female **DXN25C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36D000232M
M40	16-27 mm	36D0002

PLUG male **DXN25C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36D100232M
M40	16-27 mm	36D1002

INCLINED SOCKET FEMALE DXN25C

Reference
36D7002

INCLINED APPLIANCE inlet male **DXN25C**

Reference
36D9002

COUPLER SOCKET female **DXN25C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36D300232M
M40	16-27 mm	36D3002

INCLINED APPLIANCE inlet **DXN25C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36D600232M
M40	16-27 mm	36D6002

Locking position connected or disconnected by lockable shaft.

Other accessories on request.

Each product is supplied with 2 bags of 13 contacts depending on the maximum configuration.
This allows you to set up the product to suit your needs.
Delivered with padlocking shaft.

INFOS +

Leaving 2 contacts unused can give 9 different keying positions (on socket-outlet side or mobile plug side) using the two specific stopping plugs supplied.

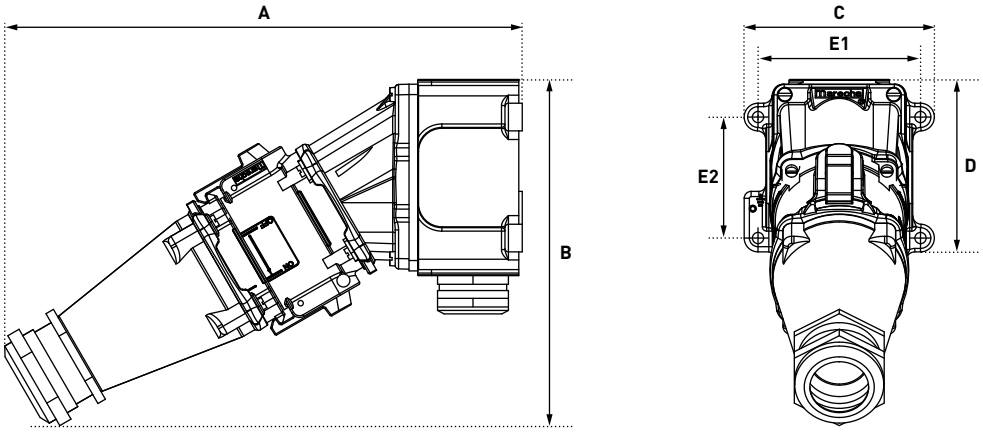
PIÈCES DE RECHANGE	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	61CA113
REMOVAL KEY	
	61CA593

PIÈCES DE RECHANGE	Reference
CRIMPING TOOL	
	61CA500
HELAVIA SLEEVE EXPANSION TOOL	
	61CA400
BAG OF 13 HEAT SHRINK INSULATION SLEEVES	61CA083
INLET CAP IP66/IP67	
	313A426

DRAWINGS AND DIMENSIONS

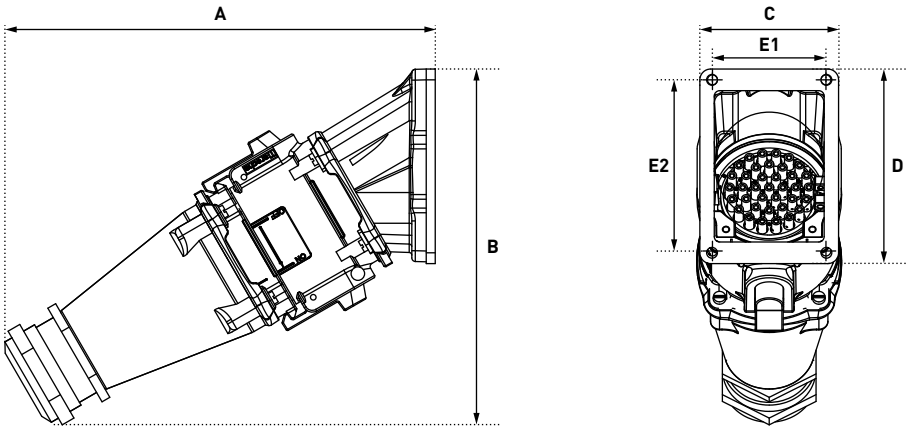
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



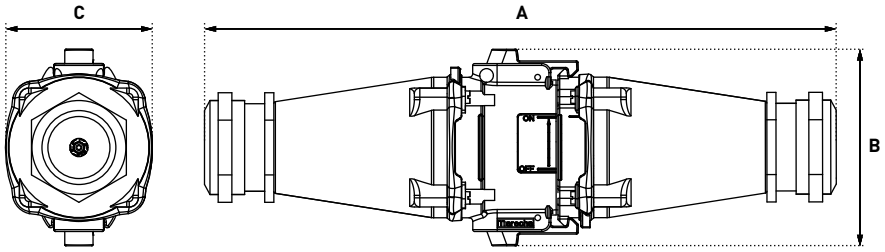
A	B	C	D	E1	E2
299	200	110	114	94	70

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
239	197	77	107	63	95

COUPLER



A	B	C
346	108	80

37 CONTACTS

U MAX
230 V AC
230 V DC

10 A CONNECTORS MULTICONTACTS DXN37C

GRP VERSION AVAILABLE SOON

INSTRUCTIONS FOR USE

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex eb IIC T* Gb
Ex tb IIIC T* Db
*-40 °C ≤ Ta ≤ +40 °C : T6 T56°C
*-40 °C ≤ Ta ≤ +55 °C : T5 T76°C
IECEx LCIE 14.0038X/LCIE 07 ATEX 6071X

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex ia/ib IIC T6 Gb
Ex tb IIIC T* Db
*-40 °C ≤ Ta ≤ +40 °C : T56°C
*-40 °C ≤ Ta ≤ +55 °C : T76°C
IECEx LCIE 14.0038X/LCIE 07 ATEX 6071X

IP66 IP67	1-2,5 mm²	METAL	IK09	-40 °C +55 °C	ATEX	1, 2, 21, 22

OTHER FEATURES	
Rated current (with wiring according to standard)	4-20 mA/10 A
Terminals wiring	crimping
Flexible wiring (min.-max.).	1-2,5 mm²

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-31
Type of protection	e, tb ia/ib, tb (consult us)

REFERENCES AND ACCESSORIES

WALL MOUNTING socket female **DXN37C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36C000332M
M40	16-27 mm	36C0003

PLUG male **DXN37C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36C100332M
M40	16-27 mm	36C1003

INCLINED SOCKET FEMALE DXN37C

Reference
36C7003

INCLINED APPLIANCE inlet male **DXN37C**

Reference
36C9003

COUPLER SOCKET female **DXN37C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36C300332M
M40	16-27 mm	36C3003

INCLINED APPLIANCE inlet **DXN37C**

Input	Cable outer Ø	Reference
M32	12-21 mm	36C600332M
M40	16-27 mm	36C6003

Locking position connected or disconnected by lockable shaft.

Other accessories on request.

Each product is supplied with 3 bags of 13 contacts depending on the maximum configuration.
This allows you to set up the product to suit your needs.
Delivered with padlocking shaft.

INFOS +

Leaving 2 contacts unused can give 9 different keying positions (on socket-outlet side or mobile plug side) using the two specific stopping plugs supplied.

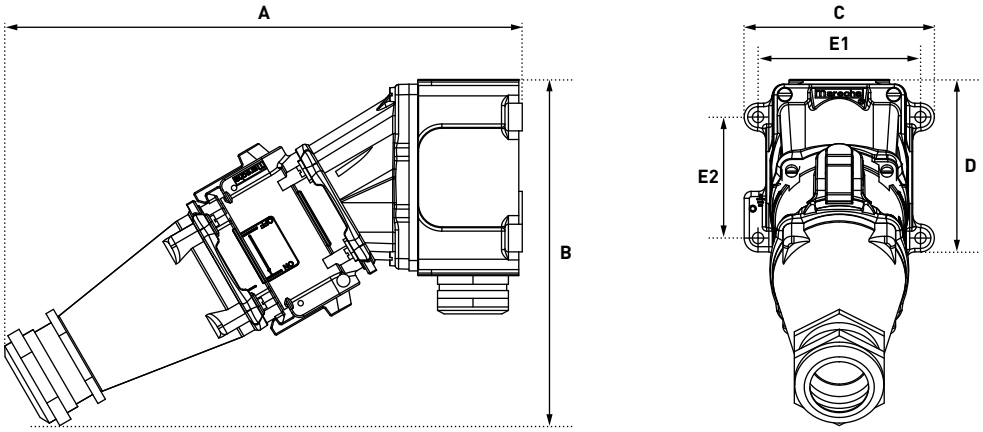
SPARE PARTS	Reference
BAG OF 13 FEMALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	01AA213
BAG OF 13 MALES CONTACTS (INCL. END SLEEVES AND INSULATION SLEEVES)	
	61CA113
REMOVAL KEY	
	61CA593

SPARE PARTS	Reference
CRIMPING TOOL	
	61CA500
HELAVIA SLEEVE EXPANSION TOOL	
	61CA400
BAG OF 13 HEAT SHRINK INSULATION SLEEVES	61CA083
INLET CAP IP66/IP67	
	313A426

DRAWINGS AND DIMENSIONS

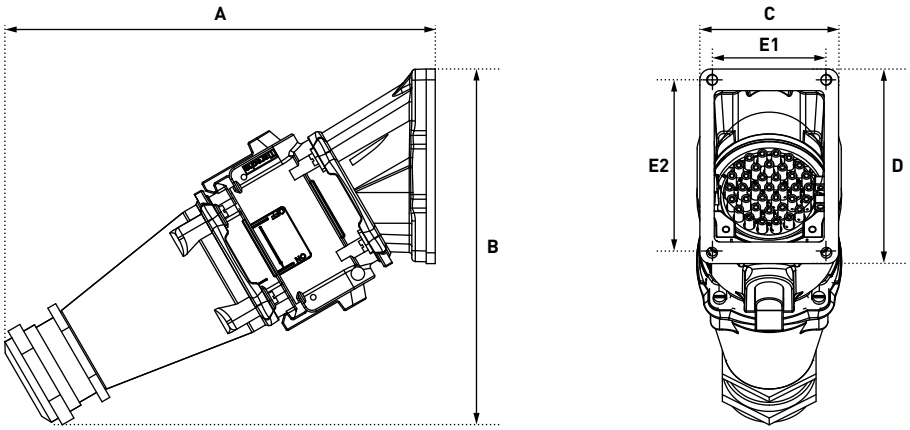
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com

PLUG ON 30° WALL MOUNTED SOCKET-OUTLET



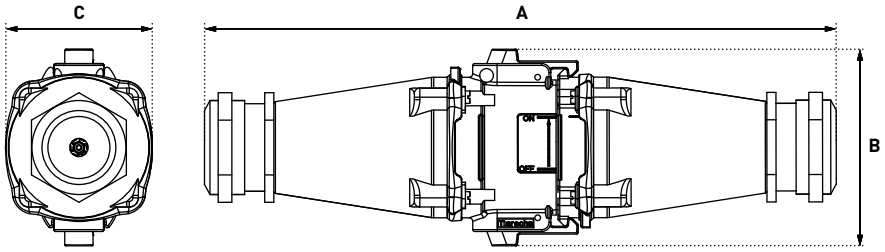
A	B	C	D	E1	E2
299	200	110	114	94	70

PLUG ON 30° INCLINED SOCKET-OUTLET



A	B	C	D	E1	E2
239	197	77	107	63	95

COUPLER



A	B	C
346	108	80

ENCLOSURES AND BOXES

EMPTY ENCLOSURES

P. 324

B2X/CDX
INCREASED SAFETY ENCLOSURES

- Ex II 2 G D Ex eb IIC Gb, Ex tb IIIC Db
- GRP casing
- 3 dimensions

DISTRIBUTION AND JUNCTION

P. 326

B2X
SOCKET OR JUNCTION BOXES

- Ex II 2 G D Ex e IIC Gb, Ex tb IIIC Db
- Intrinsic safety capability
- GRP casing
- For Ex socket and/ or Ex terminals
- 2 dimensions
- Terminal block installation available in 25 A, 32 A, 45 A, and 63 A

P. 330

MXBJ
JUNCTION BOXES

- Ex II 2 G D Ex eb IIC Gb, Ex tb IIIC Db
- Intrinsic safety capability
- GRP casing, aluminium, stainless steel AISI 316L
- Custom configuration
- Terminal block installation available up to 125 A

P. 332

MXBS
SOCKET-OUTLET COMBINATION BOXES

- Ex II 2 G D Ex eb IIC Gb, Ex tb IIIC Db
- Intrinsic safety capability
- GRP casing, aluminium, stainless steel AISI 316L
- Custom configuration
- Socket configurations available up to 63 A

CONTROL AND SIGNALLING

P. 334

CONTROL STATIONS

Increased safety

Flameproof

- II 2 G D Ex eb IIC Gb, Ex tb IIIC Db
- II 2 G D Ex db IIC Gb, Ex tb IIIC Db
- Intrinsic safety option
- A wide range of boxes equipped with certified accessories (push buttons, light indicators etc...)
- GRP casing, aluminium copper-free, stainless steel AISI 316L
- Custom configuration

ENCLOSURES

P. 336

FLAMEPROOF GAS GROUP IIB + H_2 OR IIC

IIB + H_2

IIC

- II 2 G D, Ex db IIB ou IIB +H_2 or IIC Gb Ex tb IIIC Db
- A wide range of metal boxes (cast aluminium copper-free or stainless steel) equipped with certified accessories (push buttons, rotating buttons, light indicators, potentiometers...)
- Custom configuration

INCREASED SAFETY ENCLOSURES B2X/CDX

MARECHAL ELECTRIC FRANCE
Ex II 2 G D Ex eb IIC Gb, Ex tb IIIC Db
IECEx LCIE 24.0001U
LCIE 24 ATEX 3001 U

EMPTY ENCLOSURES

IP66 IP67	GRP	IK09	B2X -50 °C +85 °C	CDX -25 °C +90 °C	ATEX	1, 2, 21, 22

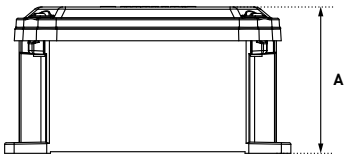
OTHER FEATURES	
B2X dimensions	120x120 mm or 160x160 mm
CDX dimensions	342x225x156 mm
B2X	with or without hinges
CDX	composed of two parts fixed on hinges
CDX modularity	flat or angled covers
Fastenings	captive stainless steel screws
Glow-wire flammability index according to IEC/EN 60695-2-12	700 °C
Class II insulation available	

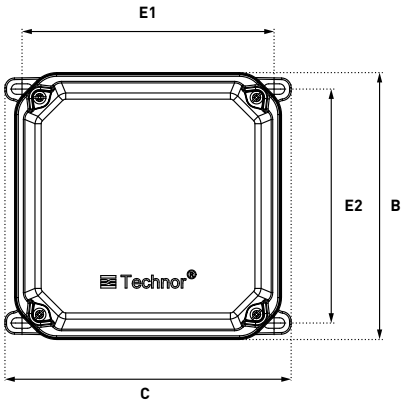
STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-31

B2X References		CDX References	
209AC12	120x120 with hinge	253A053CDXAA	2 inclined plates
209AC16	160x160 with hinge	253A053CDXPA	Flat plate + inclined plate
209ACP12	120x120 without hinge	253A053CDXPP	2 flat plates
209ACP16	160x160 without hinge		

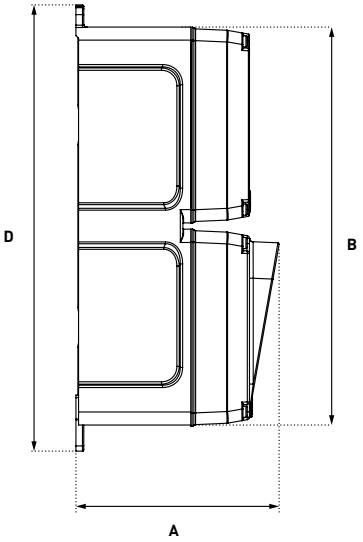
DRAWINGS AND DIMENSIONS

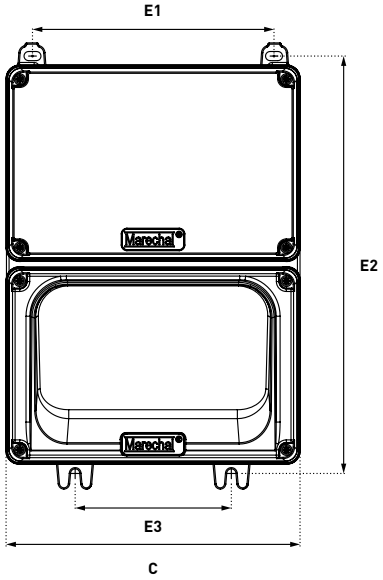
DOWNLOAD THE DRAWINGS ON OUR WEBSITE marechal.com





B2X	A	B	C	E1	E2
120x120	91	141	126	117	106
160x160	91	178	166	157	146





CDX	A	B	C	D	E1	E2	E3
	156	305	225	342	185	320	120

SOCKET OR JUNCTION BOXES B2X

MARECHAL ELECTRIC FRANCE

Ex II 2 G Ex e IIC T[2] Gb
or Ex ia or ib IIC T[2] Gb
or Ex e ia or ib IIC T[2] Gb
Ex II 2 D Ex tb IIIC T[2] Db

IECEx LCIE 16.0042X

LCIE 16 ATEX 3054X

(2) Depending on configurations and ambient T° T6/T5/ T4 for the gas.

IP66 IP67	0,22 – 35 mm²	GRP	IK09	-50 °C +60 °C	ATEX	1, 2, 21, 22

Existing terminal configurations for 25 A, 32 A, 45 A and 63 A.

FEATURES	
Ex II 2 G D Ex e IIC Gb, Ex tb IIIC Db	
Intrinsic safety capability	
For Ex socket and/or EX terminals	
Two dimensions (WxHxD) in mm	120x120x91 mm, one drilled hole per side (M40 max.) 160x160x91 mm, up to two drilled holes per side (M40 max.)
With or without hinges	
Flexible & stranded wiring (min. - max.)	0,22 – 16 mm²
Fastenings	captive stainless steel screws
Glow-wire flammability index according to IEC/EN 60695-2-12	700 °C
Class II insulation available	

ASSOCIATED MARECHAL® PRODUCTS	
DECONTACTOR™	DXA1, DXN1, DXN3, DXN6
Connectors	PNCX
Multicontact connectors	PXN12C

STANDARDS	
International and European IEC/EN standards	60079-0, 60079-7, 60079-11, 60079-31

CONFIGURATIONS

- For standard configurations of socket boxes with terminals, see the DXN1, DXN3 and DXN6 pages.
- For special configurations, contact us.

ACCESSORIES ON REQUEST

- Earth stud
- Earth bar
- Junction bar
- Draining and breathing device
- Earth continuity plate
- Metal cable gland with or without earth continuity

CONFIGURATION TYPES FOR NON ARMOURED CABLE GLANDS

Junction box in GRP, with polyamide cable glands, blanking-plug, terminals as described.

SIZE	CONFIG.	CABLE GLAND	STOPPING PLUG (as free part)	TERMINAL	MAX CURRENT(1)	ARTICLE NUMBER
120x120x90 mm		2 x M20 (10-14 mm)	/	5 x 4 mm² + 2 E	25 A	24A1C0000J169
		3 x M20 (10-14 mm)	1 x M20	5 x 4 mm² + 2 E	25 A	24A1C0000J170
		4 x M20 (10-14 mm)	2 x M20	7 x 4 mm² + 2 E	25 A	24A1C0000J171
		2 x M25 (12-18 mm)	/	5 x 6 mm² + 2 E	32 A	24A1D0000J172
		3 x M25 (12-18 mm)	1 x M25	5 x 6 mm² + 2 E	32 A	24A1D0000J173
		4 x M25 (12-18 mm)	2 x M25	7 x 6 mm² + 2 E	32 A	24A1D0000J174
160x160x90 mm		2 x M32 (16-25 mm)	/	5 x 10 mm² + 2 E	45 A	24C1E0000J175
		3 x M32 (16-25 mm)	1 x M32	5 x 10 mm² + 2 E	45 A	24C1E0000J176
		4 x M32 (16-25 mm)	2 x M32	7 x 10 mm² + 2 E	45 A	24C1E0000J177
		2 x M40 (22-32 mm)	/	5 x 16 mm² + 2 E	63 A	24C1F0000J178
		3 x M40 (22-32 mm)	1 x M40	5 x 16 mm² + 2 E	63 A	24C1F0000J179
		4 x M40 (22-32 mm)	2 x M40	7 x 16 mm² + 2 E	63 A	24C1F0000J180
		6 x M20 (10-14 mm)	3 x M20	12 x 4 mm² + 4 E	25 A	24C1C0000J195
		8 x M20 (10-14 mm)	4 x M20	14 x 4 mm² + 4 E	25 A	24C1C0000J196
		6 x M25 (12-18 mm)	3 x M25	12 x 6 mm² + 4 E	32 A	24C1D0000J197
		8 x M25 (12-18 mm)	4 x M25	12 x 6 mm² + 4 E	32 A	24C1D0000J198
		6 x M32 (16-25 mm)	3 x M32	10 x 10 mm² + 3 E	45 A	24C1E0000J199
		8 x M32 (16-25 mm)	4 x M32	10 x 10 mm² + 3 E	45 A	24C1E0000J200

(1) Maximum current, at +60°C, for the maximum cable cross-section per terminal of the configuration concerned.
Details and drawings available on request.

According to configurations and the temperature class requested, the maximum current can be modified.
Contact us for other configurations and boxes.

CONFIGURATION TYPES FOR AMOURED CABLE GLANDS

Junction box in GRP, with cable glands, blanking-plug, terminals as described.

SIZE	CONFIG.	CABLE GLAND	STOPPING PLUG (as free part)	TERMINAL	MAX CURRENT(1)	ARTICLE NUMBER
120x120x90 mm		2 x M20 (6-12/8-17 mm)	/	5 x 4 mm² + 2 E	25 A	24A1C0000J201
		3 x M20 (6-12/8-17 mm)	1 x M20	5 X 4 mm² + 2 E	25 A	24A1C0000J202
		4 x M20 (6-12/8-17 mm)	2 x M20	7 X 4 mm² + 2 E	25 A	24A1C0000J203
		2 x M25 (6-17/14-23 mm)	/	5 X 6 mm² + 2 E	32 A	24A1D0000J204
		3 x M25 (6-17/14-23 mm)	1 x M25	5 X 6 mm² + 2 E	32 A	24A1D0000J205
		4 x M25 (6-17/14-23 mm)	2 x M25	7 X 6 mm² + 2 E	32 A	24A1D0000J206
160x160x90 mm		2 x M32 (14-23/20-29 mm)	/	5 X 10 mm² + 2 E	45 A	24C1E0000J207
		3 x M32 (14-23/20-29 mm)	1 x M32	5 X 10 mm² + 2 E	45 A	24C1E0000J208
		4 x M32 (14-23/20-29 mm)	2 x M32	7 X 10 mm² + 2 E	45 A	24C1E0000J209
		2 x M40 (23-36/29-42 mm)	/	5 X 16 mm² + 2 E	63 A	24C1F0000J210
		3 x M40 (23-36/29-42 mm)	1 x M40	5 X 16 mm² + 2 E	63 A	24C1F0000J211
		4 x M40 (23-36/29-42 mm)	2 x M40	7 X 16 mm² + 2 E	63 A	24C1F0000J212
		6 x M20 (6-12/8-17 mm)	3 x M20	12 X 4 mm² + 4 E	25 A	24C1C0000J213
		8 x M20 (6-12/8-17 mm)	4 x M20	14 X 4 mm² + 4 E	25 A	24C1C0000J214
		6 x M25 (6-17/14-23 mm)	3 x M25	12 X 6 mm² + 4 E	32 A	24C1D0000J215
		8 x M25 (6-17/14-23 mm)	4 x M25	12 X 6 mm² + 4 E	32 A	24C1D0000J216
		6 x M32 (14-23/20-29 mm)	3 x M32	10 X 10 mm² + 3 E	45 A	24C1E0000J217
		8 x M32 (14-23/20-29 mm)	4 x M32	10 X 10 mm² + 3 E	45 A	24C1E0000J218

(1) Maximum current, at +60°C, for the maximum cable cross-section per terminal of the configuration concerned.
Details and drawings available on request.

According to configurations and the temperature class requested, the maximum current can be modified.
Contact us for other configurations and boxes.

JUNCTION BOXES MXBJ

MARECHAL ELECTRIC FRANCE

Ⓔx II 2 G Ex eb IIC T(2) Gb
or Ex ia or ib IIC T(2) Gb
or Ex eb ia or ib IIC T(2) Gb
Ⓔx II 2 D Ex tb IIIC T(2) Db

IECEx LCI 11.0026X
LCIE 11 ATEx 3028X

(2) Depending on ambiant temperature and terminals used.

IP66	0,2 - 300 mm²	GRP METAL	IK09	-25 °C(1) +60 °C	ATEX	1, 2, 21, 22

(1) For other ambient temperatures, please contact us.

OTHER FEATURES	
Dimensions	Consult us for the different sizes available.
Material	GRP casing, aluminium, stainless steel AISI 316L.
Cable entries	M12 - M80.

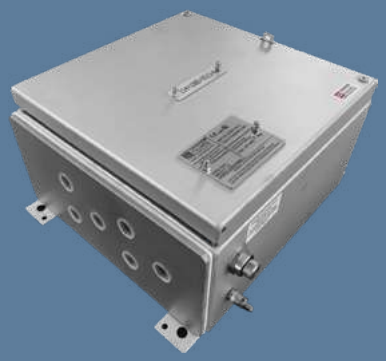
Existing terminal configurations up to 400 A.

STANDARDS	
International and European IEC/EN standards	62262, 60079-0, 60079-7, 60079-11, 60079-31.

ACCESSORIES ON REQUEST

- Earth stud
- Earth bar
- Shield bar
- Junction bar
- Hinges
- Mounting
- Purge or breather
- Earthing plate
- Metal gland with or without earth ring

A WIDE RANGE OF CONFIGURATIONS, SIZES, AND MATERIALS ARE AVAILABLE, CONTACT US!



SOCKET-OUTLET COMBINATION BOXES MXBS

MARECHAL ELECTRIC FRANCE

Ⓔx II 2 G Ex eb IIC T(2) Gb
or Ex ia or ib IIC T(2) Gb
or Ex eb ia or ib IIC T(2) Gb
Ⓔx II 2 D Ex tb IIIC T(2) Db

IECEx LCI 11.0042X
LCIE 11 ATEX 3047X

(2) Depending on ambiant temperature and connectivity used.

IP66	0,22 - 400 mm²	GRP METAL	IK09	-25 °C(1) +60 °C	ATEX	1, 2, 21, 22

(1) : For other ambient temperatures, please contact us.

Existing terminal configurations up to 680 A.

OTHER FEATURES	
Dimensions	Consult us for the different sizes available.
Material	Casing in GRP, aluminium alloy or stainless steel. Screws in stainless steel.
Junction	Terminal blocks. Feed through and loop-in loop-out connection.
Cable entries	M12 to M80 depending on the size of the box/Polyamide cable gland for unarmoured cable. Nickel plated brass cable gland for unarmoured cable and armoured cable (with plate or washer bonding inside the box).

ASSOCIATED MARECHAL® PRODUCTS	
DECONTACTOR™	DXA1, DXN1, DXN3, DXN6
Connectors	PNCX, SPeX
Multicontact connectors	PXN12C, DXN25C, DXN37C

STANDARDS	
International and European IEC/EN standards	62262, 60079-0, 60079-7, 60079-11, 60079-31.

ACCESSORIES ON REQUEST

- Inclined sleeve
- Earth stud
- Earth bar
- Hinges
- Mounting brackets
- Purge or breather
- Earthing plate
- Metal gland with or without earth ring

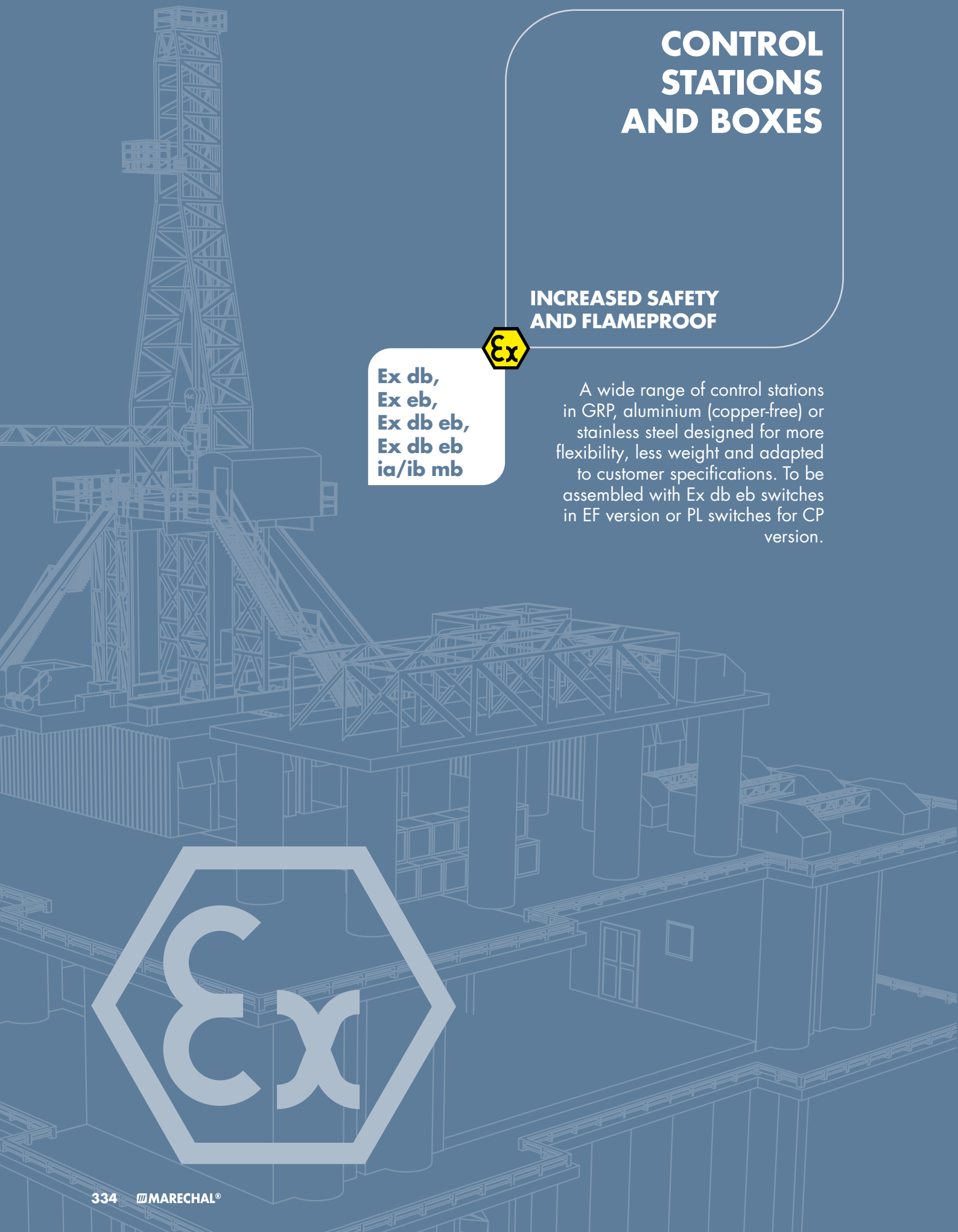
A WIDE RANGE OF CONFIGURATIONS, SIZES, AND MATERIALS ARE AVAILABLE, CONTACT US!

CONTROL STATIONS AND BOXES

INCREASED SAFETY AND FLAMEPROOF

Ex db,
Ex eb,
Ex db eb,
Ex db eb
ia/ib mb

A wide range of control stations in GRP, aluminium (copper-free) or stainless steel designed for more flexibility, less weight and adapted to customer specifications. To be assembled with Ex db eb switches in EF version or PL switches for CP version.



INCREASED SAFETY

EFXE..

II 1 G Ex ia IIC/IIB Ga or II 2 G Ex eb IIC/IIB Gb
II 2 (1) G Ex db eb ia/ib mb [ia] IIC/IIB Gb
II 2D Ex tb IIIC Db IP66/IP67

- AISI-316L stainless steel.
- Acid treatment.
- Customised dimensions up to 1500x960x500 mm.
- From -50 °C to +95 °C.
- Designed to meet the requirements for use ON and OFF-SHORE, in petrochemical and marine applications.

EFXE..

II 1 G Ex ia IIC/IIB Ga or II 2 G Ex eb IIC/IIB Gb
II 2 (1) G Ex db eb ia/ib mb [ia] IIC/IIB Gb
II 2D Ex tb IIIC Db IP66/IP67

- Copper-free aluminum.
- From -50 °C to +95 °C.
- A wide range of dimensions.
- Concealed hinges.
- Designed to meet the installation requirements for onshore and offshore applications in the petrochemical and marine sectors.

EFE..

II 1 G Ex ia IIC/IIB Ga or II 2 G Ex eb IIC/IIB Gb
II 2 (1) G Ex db eb ia/ib mb [ia] IIC/IIB Gb
II 2D Ex tb IIIC Db IP66/IP67

- GRP material.
- Designed to meet the requirements for use ON and OFF-SHORE, in petrochemical and marine applications.
- From -50 °C à +95 °C
- A wide range of dimensions.

FLAMEPROOF

CP../EFDCN..

II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db IP66

- Copper-free aluminum.
- From -50 °C to +60 °C (ATEX),
  From -60 °C to +60 °C (IECEx).
- Up to 4 operators.
- Suitable for both indoor and outdoor applications.

CP../EFSRC..

II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db IP66

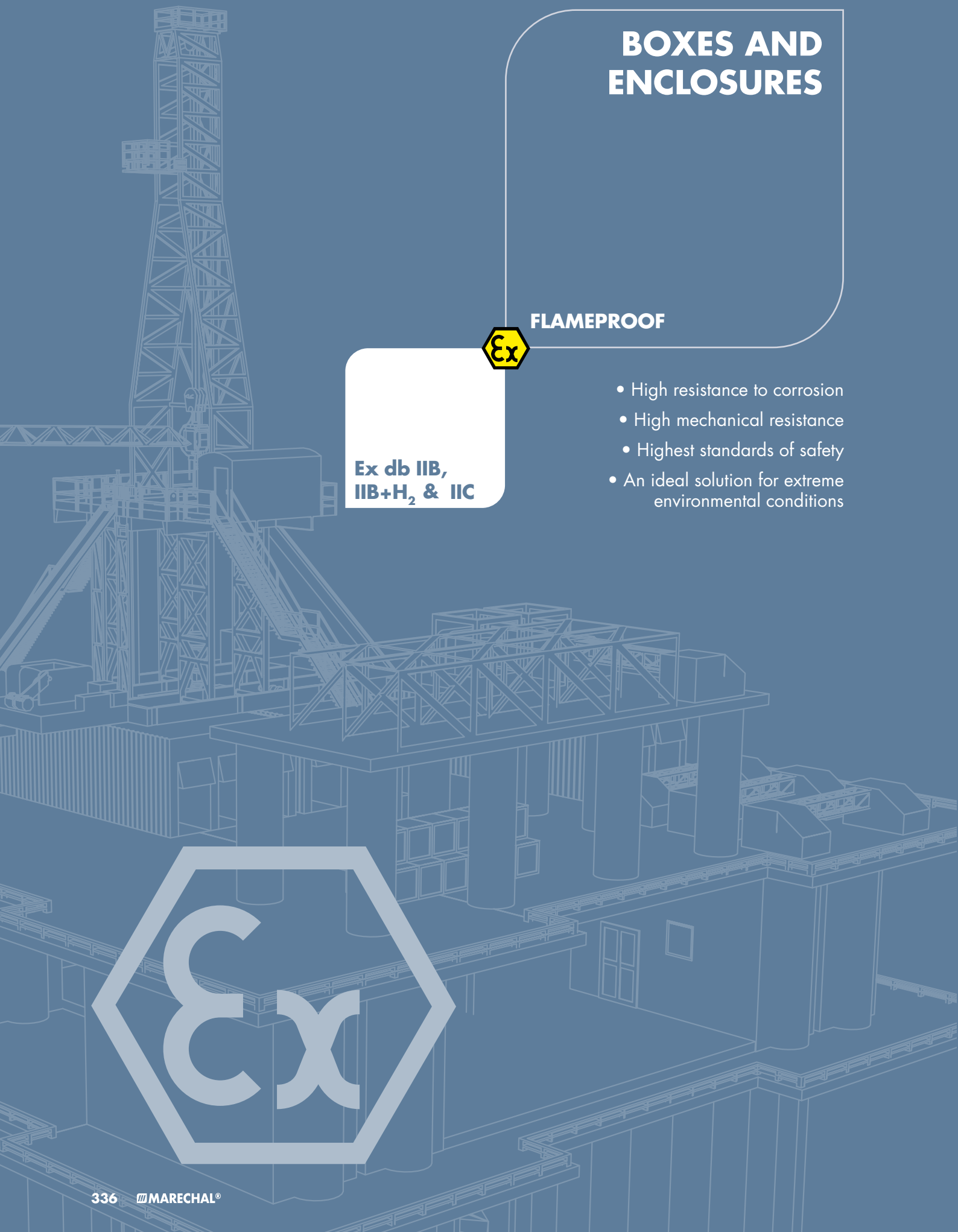
- Copper-free aluminum.
- Selector switches can be customised on request.
- From -50 °C to +60 °C (ATEX),
  From -60 °C to +60 °C (IECEx).
- Suitable for both indoor and outdoor applications.

BOXES AND ENCLOSURES

FLAMEPROOF

Ex db IIB, IIB+H_2 & IIC

- High resistance to corrosion
- High mechanical resistance
- Highest standards of safety
- An ideal solution for extreme environmental conditions



GAS GROUP IIB + H_2

EJB..

II 2 G Ex db or db ia/ib IIB+H_2 Gb
II 2 (1) G Ex db or db ia/ib [ia Ga] IIB+H_2 Gb
II 2 (2) G Ex db or db ia/ib [ib] IIB+H_2 Gb
II 2 D Ex tb or tb ia/ib IIIC Db
II 2 (1) D Ex tb or tb ia/ib [ia Da] IIIC Db
II 2 (2) D Ex tb or tb ia/ib [ib] IIIC Db

- Copper-free aluminum.
- Adapted for indoor and outdoor applications.
- AISI316 stainless steel screws.
- From -60°C to +60°C
- IP66.
- Window option (Ta: -50 °C to +60 °C).
- Custom sizes available.

EJB..

II 2G Ex db IIB Gb or Ex db IIB+H_2 Gb
II 2D Ex tb IIIC Db
II 2 G Ex db or db ia/ib IIB+H_2 Gb
II 2 (1) G Ex db or db ia/ib [ia Ga] IIB+H_2 Gb
II 2 (2) G Ex db or db ia/ib [ib] IIB+H_2 Gb
II 2 D Ex tb or tb ia/ib IIIC Db
II 2 (1) D Ex tb or tb ia/ib [ia Da] IIIC Db
II 2 (2) D Ex tb or tb ia/ib [ib] IIIC Db

- AISI 316L stainless steel or galvanised steel.
- Adapted for indoor and outdoor applications.
- AISI 316L stainless steel screws and accessories.
- From -60°C to +60°C
- IP66.
- Customised dimensions.
- Window option (Ta: -50 °C to +60 °C).

GAS GROUP IIC

GUB..

II 2 G Ex db or db ia/ib IIC Gb
II 2 (1) G Ex db or db ia/ib [ia Ga] IIC Gb
II 2 (2) G Ex db or db ia/ib [ib] IIC Gb
II 2 D Ex tb or tb ia.ib IIIC Db
II 2 (1) D Ex tb or tb ia/ib [ia Da] IIIC Db
II 2 (2) D Ex tb or tb ia/ib [ib] IIIC Db

- Copper-free aluminum.
- Adapted for indoor and outdoor applications.
- From -60 °C to +80 °C.
- AISI 316L version:
  – designed for use in dusty mines,
  – customised dimensions on request.

GUB/EMH..

II 2 G Ex db or db ia/ib IIC Gb
II 2 (1) G Ex db or b ia/ib [ia Ga] IIC Gb
II 2 (2) G Ex db or db ia/ib [ib] IIC Gb
II 2 D Ex tb or tb ia.ib IIIC Db
II 2 (1) D Ex tb or tb ia/ib [ia Da] IIIC Db
II 2 (2) D Ex tb or tb ia/ib [ib] IIIC Db

- Copper-free aluminum.
- Adapted for indoor and outdoor applications.
- From -55 °C to +80 °C.
- Window diameter from 155 to 230 mm.
- AISI 316L version:
  – designed for use in dusty mines,
  – customised dimensions on request.

GUB../QL

II 2 G Ex db or db ia/ib IIC Gb
II 2 (1) G Ex db or db ia/ib [ia Ga] IIC Gb
II 2 (2) G Ex db or db ia/ib [ib] IIC Gb
II 2 D Ex tb or tb ia.ib IIIC Db
II 2 (1) D Ex tb or tb ia/ib [ia Da] IIIC Db
II 2 (2) D Ex tb or tb ia/ib [ib] IIIC Db

- Copper-free aluminum.
- Adapted for indoor and outdoor applications.
- Can be fitted with push buttons, rotary selectors.
- From -60 °C to +60 °C.
- AISI 316L version:
  – designed for use in dusty mines,
  – customised dimensions on request.

CPS../EMH

II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db IP66

- Copper-free aluminum.
- Adapted for indoor and outdoor applications.
- From -60 °C to +55 °C (ATEX), from -60 °C to +60 °C (IECEx).

LIGHTING

MODELS		MATERIAL
LED LINEAR LIGHTING FIXTURES		
	EVF-P.. TL LED	Copper-free aluminium end-caps
	EVF-L.. TL LED	GRP end-caps
	RMS-*TL2	AISI304 stainless steel body
LED FLOODLIGHT		
	FL1 LED	Copper-free aluminium
LED WELLGLASS LIGHTING FIXTURES		
	EVde-PR.. LED	Copper-free aluminium body
	EVCC-PR3 LED	Copper-free aluminium body
	EVA LED	Copper-free aluminium body
VISUAL SIGNALS		
	EV../ROT LED	Copper-free aluminium body
	EV../XN-MXN XENO FLASH LIGHT	Copper-free aluminium body
	EV../WA.. LIOL LED	Copper-free aluminium body
	EV.. MIOL LED	Copper-free aluminium body
	EVCC-PR LED TRAFFIC LIGHT	Copper-free aluminium body

HAZARDOUS AREA ZONE 1-21

LUMEN (LM)	AMBIENT TEMPERATURE (°C)	RATED VOLTAGE (VAC)	EMERGENCY SERVICE (MIN)	MARKINGS
From 3.225 to 13.065	-20/+55	220-240	60' 180'	II 2G Ex db eb mb IIC T3/T4 Gb II 2D Ex tb IIIC T85°C Db
From 3.225 to 13.065	-20/+60	220-240	60' 180'	II 2G Ex db eb mb IIC T3/T4 Gb II 2D Ex tb IIIC T85°C Db
From 3.225 to 6.450	-30/+60	110 - 277	60' 180'	II 2G Ex db eb mb IIC T4/T3 Gb II 2D Ex tb IIIC T85°C Db
From 8.000 to 32.000	-30/+60	110 - 277	180'	II 2G Ex db eb mb IIC T4 Gb II 2D Ex mb tb IIIC T90°C Db
From 7.950 to 22.000	-60/+60	220 - 240	180'	II 2G Ex db eb IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85°C/T100°C/T135°C Db
820	-60/+60	220 - 240	/	II 2G Ex db IIC T3 Gb II 2D Ex tb IIIC T200°C Db
540	-60/+60	220 - 240	/	II 2G Ex db IIC T5/T4 Gb II 2D Ex tb IIIC T100/T135°C Db
Up to 1.600	-60/+60	240	/	II 2G Ex db eb IIC T6/T5/T4 Gb or II 2G Ex db IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85/T100/135°C Db
Up to 8.500	-60/+60	240	/	II 2G Ex db eb IIC T6/T5/T4 Gb or II 2G Ex db IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85/100/T135°C Db
>32	-60/+60	230	/	II 2G Ex db eb IIC T6/T5/T4 Gb or II 2G Ex db IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85/T100/T135°C Db
20.000cd day mode 2.000cd night mode	-60/+60	230	/	II 2G Ex db eb IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85/T100/T135°C Db
Up to 1.500	-60/+60	110/230	/	II 2G Ex db IIC T6/T5/T4 Gb II 2D Ex tb IIIC T85/T100/T135°C Db

LIGHTING

MODELS		MATERIAL
LED LINEAR LIGHTING FIXTURES		
	EVF2-PL.. LED	Copper-free aluminium end-caps
	EVF2-FL.. LED	GRP end-caps
	G2X LED	GRP body
	L2EX LED	Polycarbonate body
LED FLOODLIGHT		
	FL2	Copper-free aluminium
LED WELLGLASS LIGHTING FIXTURES		
	WG2	Copper-free aluminium

HAZARDOUS AREA ZONE 2-22

LUMEN (LM)	AMBIENT TEMPERATURE (°C)	RATED VOLTAGE (VAC)	EMERGENCY SERVICE (MIN)	MARKINGS
from 3.825 to 14.300	-20/+55	220 - 240	/	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T85°C Dc
from 3.825 to 14.300	-20/+55	220 - 240	/	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T85°C Dc
from 2.825 to 5.625	-20/+40	220 - 240	180'	II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIC T85 °C Dc
from 2.560 to 9.030	-25/+55	220 - 250	180'	II 3G Ex nR IIC T6 Gc II 3D Ex tc IIIC T70°C Dc
from 9780 to 39120	-30/+55	220-240	/	II 3G Ex ec II T3 Gc II 3D Ex tc IIIC T90°C Dc
from 15360 to 22375	-35/+50	100 - 277	/	II 3G Ex ec II T3 Gc II 3D Ex tc IIIC T90°C Dc

ACCESSORIES AND SPARE PARTS

PAGE

MECHANICAL LOCKING ..... P. 340
ELECTRO-MECHANICAL LOCKING SYSTEM ..... P. 341
CABLE AMPLIFIER LUGS ..... P. 341
STOP-LATCH ..... P. 342
TYPOLOGY OF LIDS ..... P. 343
DRAW MECHANISM ..... P. 344
REVERSED INTERIOR AND CONTACTS ..... P. 345
PHASE-SEQUENCE INDICATOR ..... P. 345
VISUAL STATUS INDICATORS ..... P. 346
INDUSTRIAL/DOMESTIC ADAPTER ..... P. 346
OPTIONS SUFFIXES ..... P. 347
CABLE GLANDS ..... P. 348
GUARANTEED GENUINE SPARE PARTS ..... P. 350

MECHANICAL LOCKING

Plug only
A padlock or lockout hasp can be fitted on the inlet body. Add suffix 843 to the inlet part number.

Closed socket-outlet
A padlock or lockout hasp can be fitted on the inlet body. Add suffix 843 to the socket-outlet part number.

Mating, unmating or closing of the lid is made impossible in order to guarantee the safety of the users.

Suffix to be added to the socket-outlet or plug/inlet part number (P/N°) depending on the locking option:

OPTIONS	DSN SERIES	DS/DSP/DSF SERIES	DXN SERIES	PN SERIES	CS1000 SP
Locking shaft for up to 2 padlocks Ø 4 to 8 mm max.	Socket-outlet P/N° + 843	Socket-outlet P/N° + 843	Socket-outlet P/N° + 843	NA	NA
Locking shaft for up to 3 padlocks Ø 8 mm max.	NA	NA	NA	NA	NA
Padlocking latch (no shaft) one padlock Ø 4 mm max.	NA	NA	NA	Socket-outlet P/N° + 843	NA
Allen-screw locking latch*	NA	DS2 Socket-outlet P/N° + 22 (6 mm hexagonal key)	NA	Socket-outlet P/N° + 22 (2.5 mm hexagonal key)	NA
Locking plug/inlet (padlocking hole)	‹‹‹ Inlet P/N° + 843 ›››			NA	NA
Safety lock (up to 6 padlocks)	613A541	613A541 (poly shaft) 399A541 (metal shaft)	613A541	NA	NA
Padlocking ring	NA	NA	NA	NA	453A843 454A844

* no possibility to use a padlock.

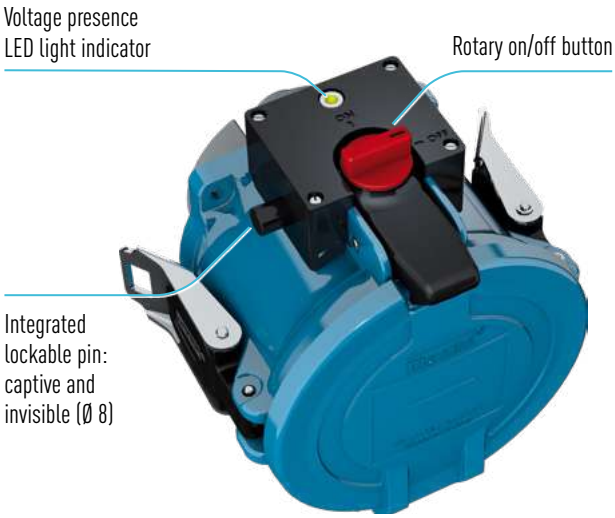
Some of our ranges are equipped with a mechanical locking device as standard.

With a BTR screw:
PXN12C/DS4

With lockable shaft:
DX/DXN25C and DXN37C

With a padlocking key
SEPARABLE SWITCH-DISCONNECTOR EVO

ELECTRO-MECHANICAL LOCKING SYSTEM



PLUG ENGAGED SYSTEM FOR THE DS2 AND DS4 :

The latch of the socket is equipped with a plug presence detection system.

- When linked to an upstream control device the external power supply is only turned on once the plug is fully engaged
- The rotary button activates the locking system
- In the ON position the socket release latch is disabled and the plug cannot be removed
- In the case of LED or switch failure, connection of the plug is prevented for safety reasons

Locking system is integrated in the module.

- The system lock works either for the lid only or with the plug connected.
- When the system is locked, operation of the release latch is disabled:
  - the rotary on/off is also disabled
  - the release latch is disabled preventing the socket lid to be opened or the plug to be removed.

CABLE LUG AMPLIFIERS

CONDUCTOR SECTION		DSN1	DS1 DSN3	DS2 DS2 350	DS4	DSN6 DXN6	DX6	DX9	DX2
FLEXIBLE	STRANDED								
4 mm²	6 mm²	611A277-06	-	-					
6 mm²	10 mm²	611A277-10	-	-					
10 mm²	16 mm²	611A277-16	613A277-16	-					
25 mm²	35 mm²	-	-	-	-	256A277-35	-	-	
50 mm²	70 mm²	-	-	-	-	-	266A277-50	-	
70 mm²	95 mm²	-	-	-	-	-	-	269A277-70	269A277-70
95 mm²	120 mm²	-	-	-	-	-	-	269A277-120	269A277-120
120 mm²	150 mm²	-	-	392A277150					
150 mm²	185 mm²	-	-	392A277185					
185 mm²	240 mm²	-	-	-	394A277-240				

Cable sections are given for information.
Check the cross-section of your conductor carefully.

STOP-LATCH

This option is ideal for quick disconnection of machinery and equipment by operators wearing gloves.
The latch is fitted with a red label with warning "stop" for ease of identification.

Using a MARECHAL® DECONTACTOR™ with STOP latch meets the requirements of the European Machinery Directive 2006/42/EC regarding:
- normal machine stop (in compliance with Article 1.2.4.1),
- isolation for maintenance (in compliance with Article 1.6.3).

The use of our products facilitates machine compliance with the directive.

The use of this latch is not recommended in case of in-line coupler extension cables.

Suffix to be added to the socket-outlet part number (P/N°):

OPTION	DSN SERIES	DS SERIES*
Stop-latch	<<< Socket-outlet P/N° + 453 >>>	

* The stop-latch is standard for the metal DS9, DS2 and DS4.

The stop latch is not an emergency-stop button

TYPOLOGY OF LIDS

LID OPENING

Different lid opening configurations are available depending on our ranges. See ranges pages for more details.

DS6 meal example

DSN6 GRP example

AUTOMATIC SELF-RETURNING LID AND LID-SPRUNG-CLOSED

A normally closed lid configuration is available for applications where it is desirable to protect the front face of the socket-outlet – the shutter – from ingress of dust and debris or potential damage. This option provides a lid that automatically returns to an almost closed position after withdrawal of the plug. The user must then always manually close the lid in order to achieve the complete seal (IP-rating), except for the DS1- and DS3- poly, which are available with an automatic sprung loaded lid, which completely closes.

DS1/DS3 example

PN example

This option is recommended for self-ejecting applications.

Suffix to be added to the socket-outlet part number (P/N°):

OPTION	DSN SERIES	DS SERIES[1]	PN SERIES[2]	DXN SERIES
Socket-outlet with self-returning lid closed		‹‹‹ Socket-outlet P/N° + R ›››		

(1) For DS1- and DS3-, this is an automatic sprung-closed lid.

(2) The IP55 PN series version is available with a standard automatic sprung-closed lid (no need to add R) : replace N of the P/N° of the socket-outlet by a S.

MOUNTING : LOAD BREAK RELEASE BUTTON SHOULD BE IN UPPER POSITION

DRAW MECHANISM

FINGER DRAW PLATES

Easy-mating accessories.

Part numbers (P/N°) for these products:

OPTION	DSN1	DSN3/DS1	DSN6/DS3	DS6	SP/SPeX
Plates	611A346	613A346	616A346	316A346	
Lever mechanism					454A876
Draw base					454A396

Finger draw-plates are available in pairs with 2 seals and longer fixing screws than standard.

Lever mechanism

Some of our products are supplied with a draw mechanism as standard.

Easy-mating mechanism is included both on socket-outlet and connector side for the below products:

DS9 - 150A

DS2 - 250A

DS4 - 400A

REVERSED INTERIORS

In the PN series, the interior mouldings and contacts can be swapped:
- The plug interior moulding and contacts can be assembled in a socket-outlet casing.
- The socket-outlet moulding and contacts can be assembled in plug casing.

Suffix to be added to socket-outlet & inlet part number (P/N°):

OPTION	PN SERIES
Reversed interior mouldings and contacts	Socket-outlet & inlet P/N° + 001

As the plug top housing becomes the live power side it is supplied with a protective cap as standard (01NA426).

Some of the products of our multicontacts range exist with reversed interior and contacts, please contact us.

PHASE-SEQUENCE INDICATOR

The phase-sequence indicator is an accessory that provides a simple way to test if the phase sequence is correct, and the rotation direction of AC motors, from 250 to 690 V AC.
The accessory comprises either a plug fitted with a handle with LEDs which is to be mated with the socket-outlet which phase sequence is to be tested or, a plug connected with a cable to a phase sequence indicator.

Please contact us for part numbers

VISUAL STATUS-INDICATORS

Our devices can be fitted with LEDs indicating the presence of voltage.

The LEDs are fitted on handles as follows:

- Voltage 24 V AC — Ø 8 mm yellow LED
- Voltage 240 V AC — Ø 8 mm red LED
- Voltage 400 V AC — Ø 8 mm red LED

Suffix to be added to handles part numbers (P/N°):

HANDLES	DSN1* - DSN3 - DSN6* DS1 - DS3* - DS6* - PN*
For 24 V	Standard P/N° + LY
For 240 V	Standard P/N° + LR
For 400 V	Standard P/N° + LR4

* IP level is not guaranteed.

INDUSTRIAL/DOMESTIC ADAPTER

In order to allow the connection of an appliance fitted with a domestic plug to an industrial type socket-outlet, MARECHAL ELECTRIC has developed an adapter which features a MARECHAL® single phase industrial plug top at one end and a 10/16 A - 230 V domestic socket at the other end.The adapter includes a 6 x 32 mm 10/16 A fuse-link.

Part numbers (P/N°) for these products:

TYPE		DSN1	DSN3	DS1	PN
France 16 A fuse	Poly	6118015D11	6138015D11	3118015D11	01N8015D11
	Metal	–	–	–	09N8015D11
United Kingdom 10 A fuse	Poly	6118015D40	6138015D40	3118015D40	01N8015D40
	Metal	–	–	–	09N8015D40
Germany 16 A fuse	Poly	6118015D30	6138015D30	3118015D30	01N8015D30
	Metal	–	–	–	09N8015D30
Italy 16 A fuse	Poly	6118015D06	6138015D06	3118015D06	01N8015D06
	Metal	–	–	–	09N8015D06

OPTIONS SUFFIXES

MAIN OPTION COMBINATION SUFFIXES

Suffix to be added to the 7 digits of standard product references.

SOCKET-OUTLET SUFFIX

OPTION CHOICE						APPLICABLE RANGE							
Locking	180° Opening lid	Self returning lid	2 aux.	Self ejection*	Ejection latch*	PN	DSN1 DSN3 DSN6	DS1 DS3	DS6 POLY	DS6 METAL	DS9 POLY	DS9 METAL	DS2
•						843	843	843	843	843	843	843	843
	•					10							
		•				R	R	R	R	R	R	R	R
			•				972	972	972	972	262	262	972
•	•					841							
•		•				858	858	858	858	858	858	858	858
•		•	•				977	977	977	977	662	662	977
•			•				372	372	372	372	213	213	372
•	•	•				514							
	•	•				18							
		•	•				960	960	960	960	267	267	960
		•	•	•			853	853	853	853		**	
		•	•	•	•		973	973	973	973		**	
		•		•			352	352	352	352		**	**
		•		•	•		354	354	354	354			

PLUG SUFFIX

OPTION CHOICE			APPLICABLE RANGE								
Locking	2 aux.	Self ejection*	PN	DSN1	DSN3 DSN6	DS1 DS3	DS6 POLY	DS6 METAL	DS9 POLY	DS9 METAL	DS2
•				843	843	843	843	843	843	843	843
	•				972	972	972	972	262	262	972
		•								**	**
•	•					372	372	372	213	213	372
	•	•								**	**

* See chapter related to mechanical self-ejection in page 208 for more details.
** Contact us.

CABLE GLANDS

Gray/black polyamide cable glands with flat gaskets (without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference		Additional accessory
			Gray	Black	Plastic locknut
M16	2,5-8 mm	8 mm	9PEM16POLY+J	/	9ECM16POLY
M16	4-8 mm	10 mm	/	9PEM16POLY-N	9ECM16POLY
M20	5-12 mm	10 mm	9PEM20POLY+J	9PEM20POLY-N	9ECM20POLY
M25	9-18 mm	10 mm	9PEM25POLY+J	9PEM25POLY-N	9ECM25POLY
M32	14-25 mm	15 mm	9PEM32POLY+J	9PEM32POLY-N	9ECM32POLY
M40	18-32 mm	16 mm	9PEM40POLY+J	9PEM40POLY-N	9ECM40POLY
M50	24-38 mm*	16 mm	9PEM50POLY+J	9PEM50POLY-N	9ECM50POLY
M63	35-48 mm	12 mm	9PEM63POLY+J	9PEM63POLY-N	9ECM63POLY

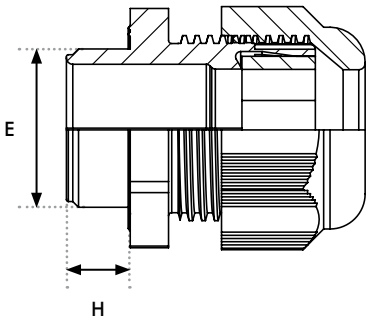
* 17-38 mm the black cable glands.

Metal (nickel plated brass) cable glands with O-rings (without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference	Additional accessory
				Metal locknut
M16	5-9 mm	5 mm	9PEM16METAL+J	9ECM16MET
M20	7-13 mm	6 mm	9PEM20METAL+J	9ECM20MET
M25	8-16 mm	7 mm	9PEM25METAL+J	9ECM25MET
M32	15-24 mm	8,5 mm	9PEM32METAL+J	9ECM32MET
M40	22-32 mm	9 mm	9PEM40METAL+J	9ECM40MET
M50	34-44 mm	9 mm	9PEM50METAL+J	9ECM50MET
M63	35-48 mm	10 mm	9PEM63METAL+J	9ECM63MET

EMC metal cable glands with O-rings (without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference	Additional accessory
				Metal locknut
M16	5-9 mm	12 mm	9PEM16EMC	9ECM16MET
M20	7-12 mm	12 mm	9PEM20EMC	9ECM20MET
M25	9-16 mm	12 mm	9PEM25EMC	9ECM25MET
M32	11-21 mm	15 mm	9PEM32EMC	9ECM32MET
M40	19-28 mm	15 mm	9PEM40EMC	9ECM40MET
M50	27-35 mm	15 mm	9PEM50EMC	9ECM50MET
M63	34-45 mm	15 mm	9PEM63EMC	9ECM63MET



ATEX polyamide cable glands with O-rings (without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference	Additional accessory
				Metal locknut
M16	5-10 mm	15 mm	9PEM16EX	9ECM16MET
M20	10-14 mm	15 mm	9PEM20EX	9ECM20MET
M25	12-18 mm	15 mm	9PEM25EX	9ECM25MET
M32	16-25 mm	15 mm	9PEM32EX	9ECM32MET
M40	22-32 mm	16 mm	9PEM40EX	9ECM40MET
M50	28-38 mm	16 mm	9PEM50EX	9ECM50MET
M63	40-48 mm	16 mm	9PEM63EX	9ECM63MET

ATEX/ATEX-EMC metal cable glands with O-rings (without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference		Additional accessory
			ATEX	ATEX-EMC	Metal locknut
M16	5-9 mm	5 mm	9PEM16EXMET+J	9PEM16EMCEX	9ECM16MET
M20	8-13 mm	6 mm	9PEM20EXMET+J	9PEM20EMCEX	9ECM20MET
M25	9-16 mm	7 mm	9PEM25EXMET+J	9PEM25EMCEX	9ECM25MET
M32	12-21 mm	8 mm	9PEM32EXMET+J	9PEM32EMCEX	9ECM32MET
M40	16-27 mm	8 mm	9PEM40EXMET+J	9PEM40EMCEX	9ECM40MET
M50	23-35 mm	9 mm	9PEM50EXMET+J	9PEM50EMCEX	9ECM50MET
M63	36-48 mm	10 mm	9PEM63EXMET+J	9PEM63EMCEX	9ECM63MET

ATEX metal cable glands (with grounding) + O-rings* (without earth tag, without locknut)

Cable entry (E)	Cable outer Ø	Thread length (H)	Reference	Additional accessory	
				Metal locknut	With earth tag + metal locknut
M16	6-8 mm	13 mm	9PEM16CMM1EX	9ECM16MET	9BRIDEM16EXEC
M20	8-10 mm	13 mm	9PEM20CMM1EX	9ECM20MET	9BRIDEM20EXEC
M20	10-12 mm	13 mm	9PEM20CMM1EX1	9ECM20MET	9BRIDEM20EXEC
M25	12-14 mm	14 mm	9PEM25CMM1EX	9ECM25MET	9BRIDEM25EXEC
M32	15-18 mm	14,5 mm	9PEM32CMM1EX1	9ECM32MET	9BRIDEM32EXEC
M32	18-24 mm	14,5 mm	9PEM32CMM1EX	9ECM32MET	9BRIDEM32EXEC
M40	18-24 mm	14,5 mm	9PEM40CMM1EX	9ECM40MET	9BRIDEM40EXEC

*Contact us for cable glands for cable entries higher than M40.

GUARANTEED GENUINE SPARE PARTS

SOLUTION
REPAIR
MARECHAL
ELECTRIC

SUSTAINABILITY

ORIGINAL QUALITY
GUARANTEED

COST-
EFFICIENCY

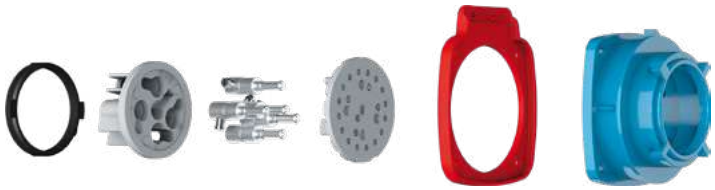
TO EXTEND THE LIFESPAN OF YOUR EQUIPMENT SAFELY

A solution designed for long-term investment.
Since its inception, MARECHAL ELECTRIC has always considered the durability of its products, not only for environmental reasons but also for economic ones.

Beyond extending the lifespan of our products, our design and manufacturing process meet the needs of our customers who wish to maintain the safety of their equipment simply by repairing it.

REQUEST
YOUR QUOTE
ONLINE

9,6 /10
REPAIRABILITY INDEX



PLUG		PN POLY	PN METAL
1 Plug interior		01NA010	09NA110
2 Locking ring		611A583	09NA583
3 Plug contact (P or N)		01NA011	01NA011
4 Color-coded voltage gasket		611AV26	611AV26
		611AB26	611AB26
		611AR26	611AR26
		611AN26	611AN26
5 Plug casing		01NA501	09NA501

SOCKET		PN POLY	PN METAL
1 Socket Interior 3P+E		01NA020C3	09NA220C3
1 Socket Interior 1P+N+E		01NA020C5	09NA220C5
1 Socket Interior 3P+N+E		01NA020C7	09NA220C7
2 Locking ring		611A583	09NA583
3 Socket contact		01NA021	01NA021
4 Color-coded voltage gasket		611AV26	611AV26
		611AB26	611AB26
		611AR26	611AR26
		611AN26	611AN26
5+6 Socket Lid Gasket + Seal		01NA524*	09NA524*
6 Casing gasket only		01NA074	01NA074

*Add suffix cover option (opening 180 °, self-returning, etc.).

REMEMBER TO ORDER THE SPECIAL REMOVAL KEY
Yellow disassembly key for poly casing
31-A500-1

9,6 /10
REPAIRABILITY INDEX

2 1 3 1 4 5

PLUG		DSN1	DSN3	DSN6
1 Plug interior		611A010	311A010	313A010
2 Locking ring		611A583	311A583	616A583
3 Plug contact		611A011	311A011	616A011
4 Color-coded voltage gasket		611AB26	311AB26	313AB26
		611AR26	311AR26	313AR26
		611AV26	311AV26	313AV26
		611AN26	311AN26	313AN26
5 Plug casing		611A501	613A501	616A501

REQUEST YOUR QUOTE ONLINE

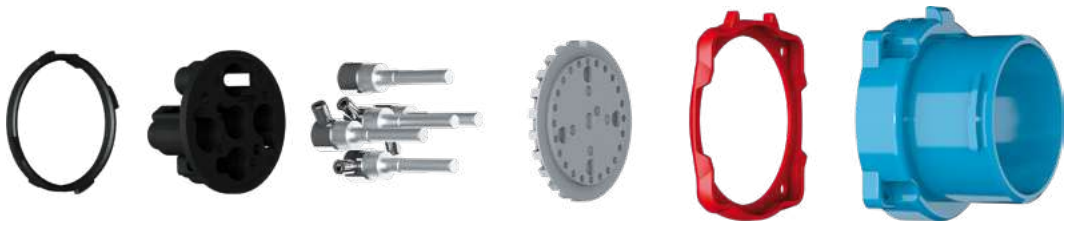
SOCKET		DSN1	DSN3	DSN6
1	Socket Interior	611A020	311A020	313A020
2	Locking ring	611A583	311A583	616A583
3	Socket contact	611A021	311A021	616A021
4	Color-coded voltage gasket	611AB26	311AB26	313AB26
		611AR26	311AR26	313AR26
		611AV26	311AV26	313AV26
		611AN26	311AN26	313AN26
5+6	Socket Casing + Seal	611A524*	613A524*	616A524*
6	Casing gasket only	611A074	613A074	616A074

*Add suffix cover option (self-returning, etc.).

REMEMBER TO ORDER THE SPECIAL REMOVAL KEY

Yellow disassembly key for poly casing
31-A500-1

9,6 /10
REPAIRABILITY INDEX



2 1 3 1 4 5

PLUG		DS1	DS3	DS6	DS9	DS2	DS4
1 Plug interior		311A010	313A010	316A010	619A010	–	–
1 Plug interior metal + E		–	–	396A110	699A110	392A110	394A110
2 Locking ring		311A583	616A583	316A583	319A583	–	–
2 Locking ring metal		–	–	396A583	399A583	392A583	394A583
3 Plug contact (P or N)		311A011	616A011	316A011	619A011	392A011	394A011
4 Color-coded voltage gasket		311AB26	313AB26	316AB26	319AB26	392AB26	–
		311AR26	313AR26	316AR26	319AR26	392AR26	–
		311AV26	313AV26	–	–	–	–
		311AN26	313AN26	316AN26	319AN26	392AN26	–
5 Plug casing poly		311A501	313A501	316A501	619A501	–	–
5 Plug casing metal		–	–	396A501	399A501	392A501	394A501

REQUEST YOUR QUOTE ONLINE

SOCKET		DS1	DS3	DS6	DS9	DS2	DS4
1	Socket Interior poly	311A020	313A020	316A020	619A020	–	–
1	Socket Interior metal +E			396A220	699A220	392A220	394A220
2	Locking ring	311A583	616A583	316A583	319A583	–	–
2	Locking ring metal	–	–	396A583	399A583	392A583	394A583
3	Socket contact (P or N)	311A021	616A021	316A021	619A021	392A021	394A021
4	Color-coded voltage gasket	311AB26	313AB26	316AB26	319AB26	392AB26	–
		311AR26	313AR26	316AR26	319AR26	392AR26	–
		311AV26	313AV26	–	–	–	–
		311AN26	313AN26	316AN26	319AN26	392AN26	–
5+6	GRP socket casing + Seal	311A524*	313A524*	316A524*	619A524*	–	–
5+6	Metal socket casing + Seal	–	–	396A524*	399A524*	392A524*	394A524*
6	Lid gasket only	311A563 (lid)	313A563 (lid)	396A074 (casing)	399A074 (metal) 619A074 (poly) (casing)	392A074 (casing)	392A074 (casing)

*Add suffix cover option (self-returning, etc.).

REMEMBER TO ORDER THE SPECIAL REMOVAL KEY

Yellow disassembly key for poly casing
31-A500-1

NOTES

NOTES

FIND MORE INFORMATION ON OUR WEBSITE

- Configure your MARECHAL® product in just 3 steps.
- Contact us anywhere in the world.
- Download all our documentation and technical data sheets.
- Follow our latest news.

NON CONTRACTUAL DOCUMENT AND PICTURES

All the indications appearing in this catalogue are indicative and could not constitute a commitment on our part. We reserve the right to alter specifications of our products without any prior notice in our efforts to continuously improve our products features. Please note: The most up to date versions of our products can be found on our website **marechal.com**.

CONTACT US

MARECHAL ELECTRIC S.A.S. (head office)
5 avenue du chemin de Presles
94410 Saint-Maurice, France
Phone: +33 (0)1 45 11 60 00
Email: contact@marechal.com

Africa SADC area
MARECHAL ELECTRIC AFRICA (PTY) LTD.
PO Box 13875 Witfield 1467
Unit A1 Harvard Lane
Aero Star Business Park
Jet Park Road, Jet Park, South Africa
Phone: +27 11 894 7226/7/8
Email: sales.za@marechal.com

China
MARECHAL ELECTRIC (China) Co., Ltd
11 North Xiangshui Road,
West Dayawan District,
Huizhou PRC
Phone: +86 (0)752-5319536
Email: sales.cn@marechal.com

USA/Canada
MELTRIC Corporation
4765 W. Oakwood Park Drive
Franklin, WI 53132, USA
Phone: +1 414 433 2700
Email: mail@meltric.com

Asia
MARECHAL ELECTRIC Asia Pte Ltd
9 Tagore Lane
#01-05 9@Tagore
Singapore 787472
Phone: +65 6554 2722
Email: sales.asia@marechal.com

Germany/Austria/Switzerland/Eastern Europe/Russia
MARECHAL GmbH
Im Lossenfeld 8
D-77731 Willstätt-Sand
Germany
Phone: +49 (0)7852/91 96-0
Email: info.de@marechal.com

Mexico
MELTRIC DE MEXICO S. de R.L. de C.V.
Insurgente Sur 863 – Piso 7
Napoles, Benito Juarez,
D. F. Mexico, C.P. 03810
Phone: +52 55 50056752
Email: scmexico@meltric.com

Australia
MARECHAL AUSTRALIA PTY LTD
20 A Technology Circuit
Hallam VIC 3803
Australia
Phone: +61 (0)3 8786 2500
Email: sales@marechal.com.au

Middle East
MARECHAL ELECTRIC Middle East Trading LLC
80 Street, Shed-01B ALFA3 Complex
Jebel Ali Industrial 1 - Dubai, UAE
Phone: +971 4 226 8400
Email: sales.me@marechal.com

TECHNOR ITALSMEA S.p.A.
Via Italia 33,
20060 Gessate (Milano),
Italia
Phone: +39 02 95 00 151
Email: sales@italsmea.com

CAT01U - B.2 | General catalogue_2026-02 | EN |

All rights reserved.

For any other country or area, please contact the head office.
Find your sales contact on marechal.com/contact

marechal.com **technor.com**

MARECHAL ELECTRIC
MARECHAL® TECHNOR® MELTRIC®