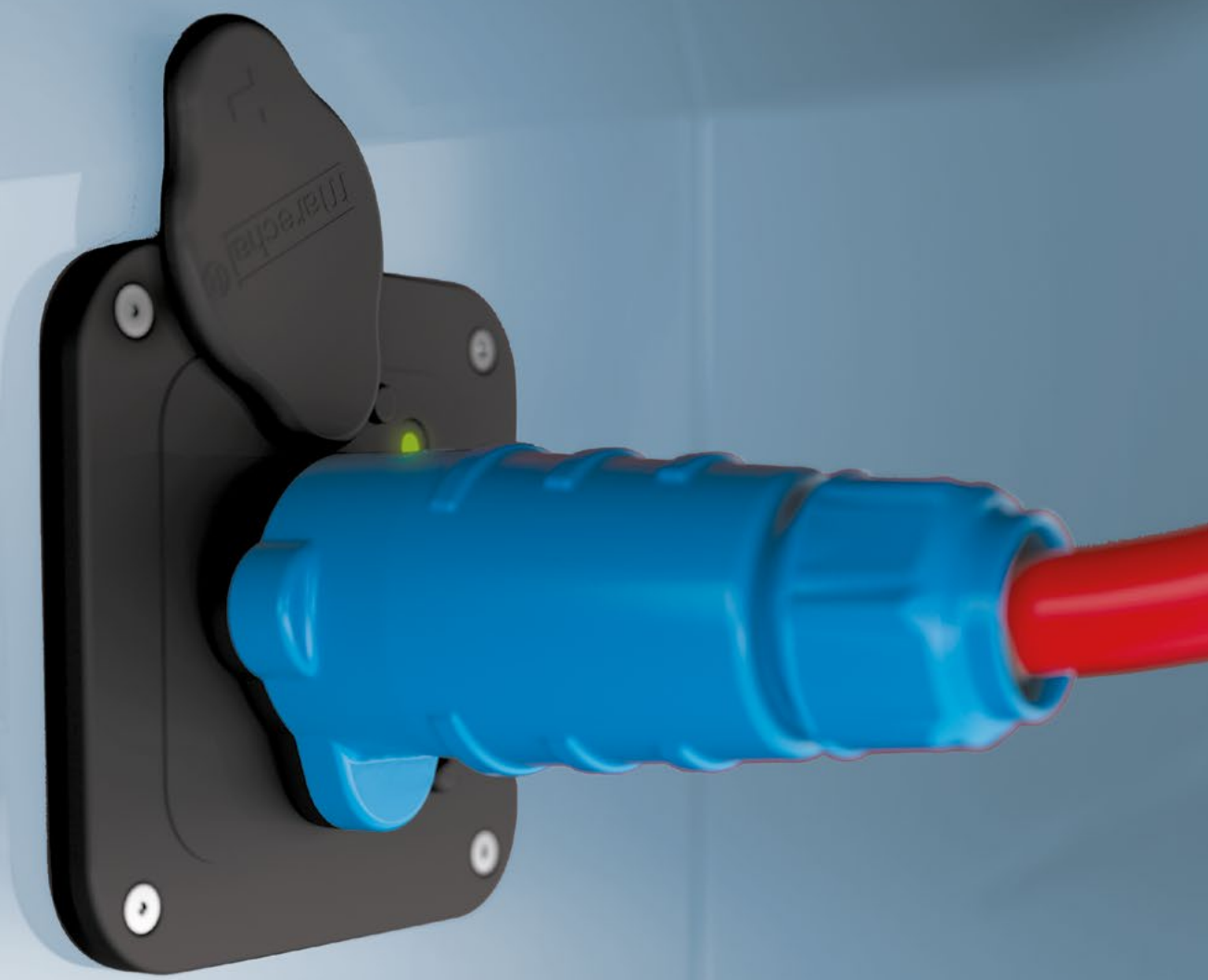


PRODUCT



RETTBOX® S
AUTOMATICALLY
SELF-EJECTING SOCKET-
OUTLET ON VEHICLE
START-UP



**MAKING
MOBILITY SAFE**



RETTBOX® S is a compact 20 A to 32 A socket-outlet with integrated load-breaking capacity, allowing automatic ejection of the mobile coupler socket on start-up of the vehicle.

SAFE

RETTBOX® S is the perfect answer to your daily safety concerns, thanks to its automatic disconnection of the power supply when the vehicle is started.

SIMPLE

The **RETTBOX® S** design facilitates installation and daily use for drivers, installers or vehicle customisation workshops.

SMART

RETTBOX® S was engineered to provide a better choice for self-ejection. LED indicators make it easy to monitor voltage presence and charging status.



A UNIQUE SOLUTION WITH MULTIPLE BENEFITS



INSTANT AUTOMATIC EJECTION

When the vehicle is started.



DRASTIC TIME-SAVING

Fast connection/disconnection.



MECHANICAL PROTECTION RATING

Shock impact resistance IK08.



USER-FRIENDLY DEVICE

Easy single-handed connection.



IP54 INGRESS PROTECTION

Resistance to all weather conditions as well as routine vehicle washing.



VOLTAGE PRESENCE LIGHT INDICATORS

LED lights indicate if the charger and the battery are energised.



POSSIBLE MANUAL EJECTION

Simple press of the external push button.



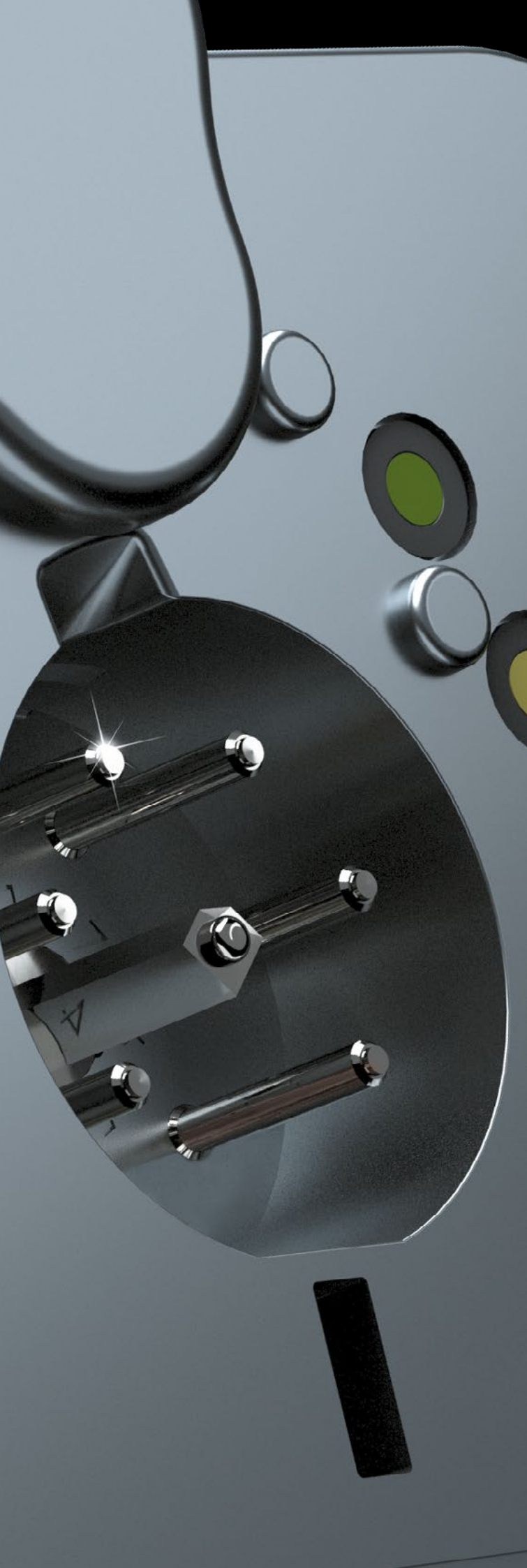
RETTBOX® S is also available with air, to power the pneumatic equipment when the vehicle is stopped, particularly the brake system.

MARECHAL ELECTRIC, 70 YEARS OF TECHNOLOGICAL INNOVATIONS

- Materials (stainless steel, reinforced thermoplastics) ensure excellent resistance to impacts (IK08), UVs, temperature variations (-40°C/+60°C), to water splashes (IP54), and high electric isolation (DECONTACTOR™ technology).
- Tested up to 10,000 electrical switching cycles.
- Proven expertise amongst the most recognised vehicle manufacturers and vehicle customisation workshops (ambulances, autonomous vehicles, refrigerated trucks...).
- MARECHAL® spring-loaded contact technology has proven itself in the harshest environments.
- RETTBOX® S is compatible with any type of battery charging station.



1. Swivel-lid.
2. A 230 V AC voltage presence green LED supplied as standard /a 12-24 VDC voltage presence yellow indicator supplied as standard.
3. An optional yellow LED which indicates that the 12 - 24 V DC battery is charging.
4. 12 - 24 V DC solenoid coil used to eject the socket-outlet upon starting of the vehicle
5. Reinforced thermoplastics box with 7 contacts.
6. Manual ejection push button.
7. Reinforced thermoplastics mobile socket-outlet with cap.



MARECHAL® TECHNOLOGY

UNRIVALLED MARECHAL® PATENTED SYSTEM. HIGH SAFETY LEVEL.

- MARECHAL® is synonymous with innovation. All our solutions are patented to guarantee safety for end-users (self-ejection, ingress protection, weather and temperature resistance, high-quality materials, protection from live parts IP2X/IPXXB).
- MARECHAL® connectors have spring-loaded contacts with silver-nickel tips. This ensures exceptional connection quality and eliminates wear and tear from arc flash and repeated operations over time, typically seen in pin and sleeve technology. Silver, even when oxidated, guarantees optimal conductivity. Contact quality is maintained even in the presence of vibrations and temperature changes, thanks to the tight pressure of the spring-loaded contacts.
- RETTBOX® S, ensures self ejection, preventing damage to the electrical installation.
- Almost flush on the body of the vehicle, RETTBOX® S is aesthetic and sleek. The rounded corners eliminate any risk of injury.

ULTRA COMPACT FOR OPTIMISED INSTALLATION

SIMPLIFIED INSTALLATION, USE AND MAINTENANCE

- Time and cost saving:
 - › Easy mounting for the contractor: cutting the vehicle body, fastening the threaded inserts, wiring and fixing of the enclosure;
 - › User-friendly, single-handed connection.
- Space saving:
 - › Reduced internal volume.
 - › Thin mounted plate on the vehicle body (16 mm).

POSSIBLE CONFIGURATIONS

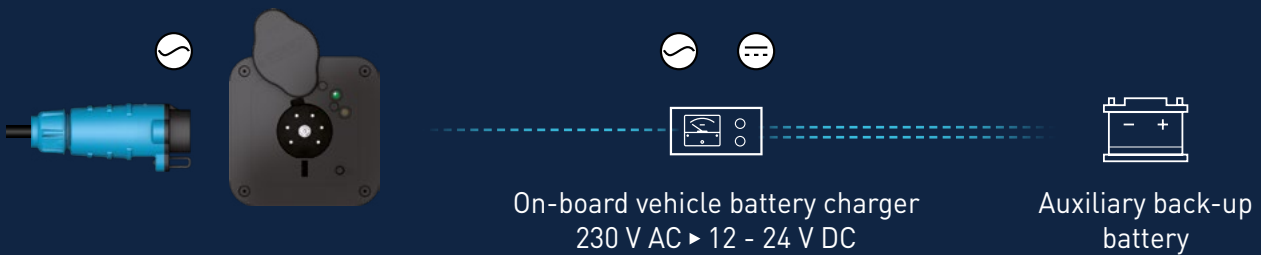
WITH AN EXTERNAL CHARGER

POWER SUPPLY WITH 12 V DC OR 24 V DC

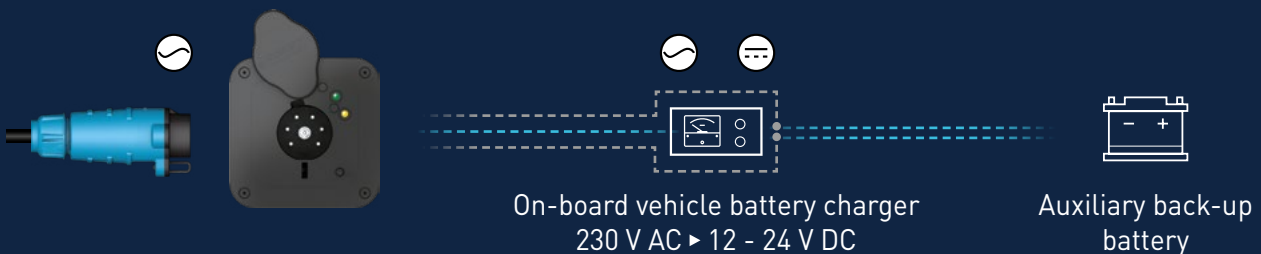


WITH AN ON-BOARD VEHICLE CHARGER

UP TO 480 V AC POWER SUPPLY



IN OPTION A YELLOW LED BATTERY CHARGING INDICATOR LIGHT



TECHNICAL FEATURES

GENERAL INFORMATION

RETTBOX® S

	20 A	20 A	20 A	32 A
I_n	20 A	20 A	20 A	32 A
U_{max} (V AC/V DC)	12 V DC	24 V DC	250 V AC	480 V AC
AIR Version	Yes	Yes	Yes	Yes
Number of contacts	6P+E			
Wiring: (min-max conductor section - mm ²) Flexible conductor: power contact	1,5 - 6			
Indicator light included (voltage presence)	Yellow	Yellow	Green	Green

ENVIRONMENTAL FEATURES

Operating temperature (min/max) : °C	-40 / +60
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MECHANICAL FEATURES

IP: coupler socket without plug cap	IP2X
IP: coupler socket with plug cap	IP44
IP: Box	IP54
Mating cycles	10 000
Resistance to shocks	IK08
Ejection system	Automatic/Manual push button
Box and mobile socket-outlet material	Reinforced thermoplastics

PROTECTIONS

UV protection according to UL 746C	f1
Resistance to salt mist	> 50 000 h
Fastenings	Stainless steel screws

OPTION

Light indicator (battery charging)	NA	NA	Yellow	Yellow
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RETTBOX® S complies with the European Low Voltage Directive 2014/35/UE, RoHS 2011/65/UE (CE marking), European REACH regulation.

WORLD PRESENCE



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

Asia

MARECHAL ELECTRIC Asia Pte Ltd
9 Tagore Lane
#01-05 9@Tagore
Singapore 787472
Phone: +65 6554 2722
email: sales.asia@marechal.com

Australia

MARECHAL AUSTRALIA PTY LTD
20 A Technology Circuit
HALLAM VIC 3803
Australia
Phone : +61 (0)38786 2500
email : sales@marechal.com.au

China

MARECHAL ELECTRIC (China) Co., Ltd
11 North Xiangshui Road,
West Dayawan District,
Huizhou PRC
Tel: +86 (0)752-5319536
email: sales.cn@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

Middle East

MARECHAL ELECTRIC Middle East Trading LLC
80 Street, Shed-01B ALFA3 Complex
Jebel Ali Industrial 1 - Dubai, UAE
Tel: +971 4 226 8400
email : sales.me@marechal.com

USA/Canada

MELTRIC Corporation
4765 W. Oakwood Park Drive
Franklin WI 53132, USA
Phone: +1 414 433 2700
email: mail@meltric.com

Mexico

MELTRIC Corporation
Insurgente Sur 863 - Piso 7
Napoles, Benito Juarez,
D. F. Mexico, C.P 03810
Phone: +52 55 50056752
email : mail@meltric.com

TECHNOR ITALSMEA S.p.A.

Via Italia 33,
20060 Gessate (Milano),
Italia
Phone : +39 02 95 00 151
email : sales@italsmea.com

For any other country or area, please contact the head office.
Find your sales contact on marechal.com/contact

marechal.com

technor.com

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