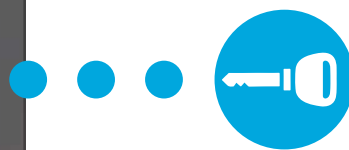
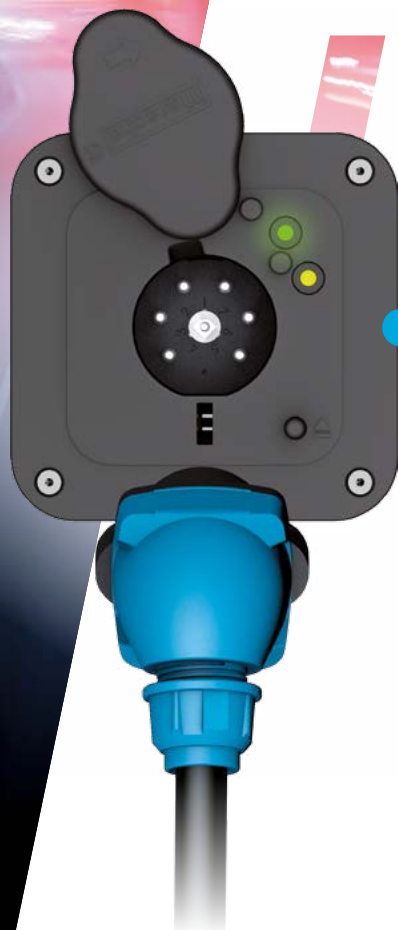


RETTBOX® S

AUTOMATIC EJECTION SOCKET OUTLET
UPON START UP OF THE VEHICLE



SAFE MOBILITY



SAFE

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



SIMPLE

RETTBOX® S user-friendly design ensures robustness, performance, and ease of installation. Our goal is to simplify the work of end-users, contractors, and vehicle body converters.



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.

PERFECT DESIGN FOR YOUR MOBILE APPLICATIONS.





A UNIQUE SOLUTION WITH MULTIPLE BENEFITS

RETTBOX® S (from 20 A to 32 A) offers load-breaking capacity and automatic ejection upon start-up of the vehicle.

INSTANT AUTOMATIC EJECTION

Without any manual intervention.

DRASTIC TIME-SAVING

Fast connection/disconnection.

SHOCK IMPACT RESISTANCE

IK08 mechanical protection rating.

USER-FRIENDLY DEVICE

Easy connection with one hand only.

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 powered.

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.

A RELIABLE AND SUSTAINABLE SOLUTION

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 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 voltage presence green LED supplied as standard.
3. An optional yellow LED which indicates that the battery is charging.
4. 12 V/24 V 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.

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:

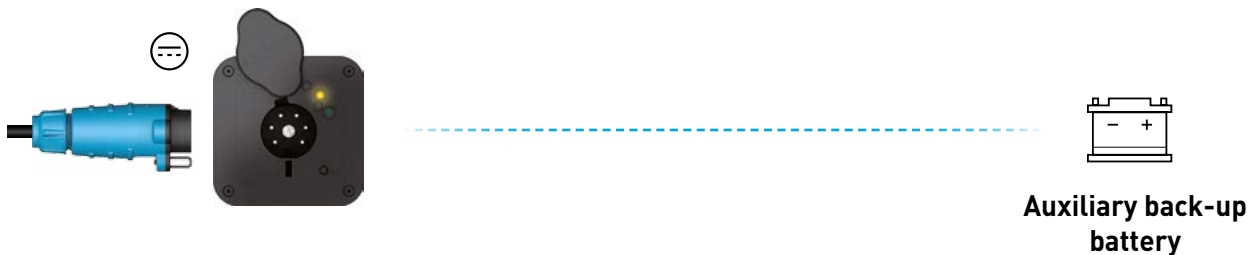
- Easy mounting for contractors: cutting vehicle body, fastening threaded inserts, wiring and fixing the enclosure;
- User-friendly, connection with one hand only.

• Space saving:

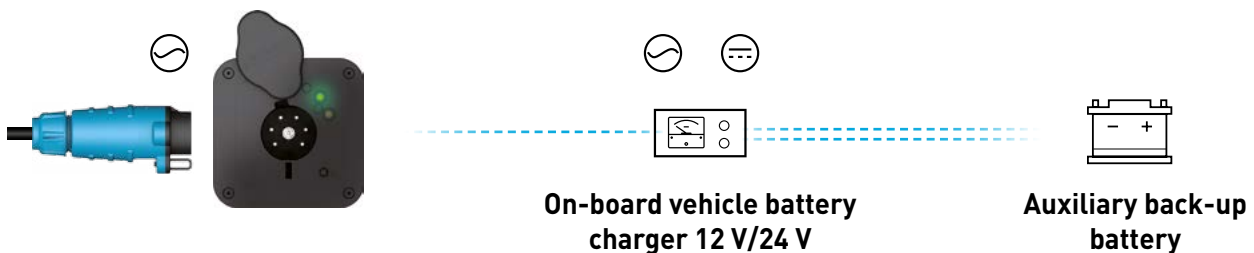
- Reduced internal volume.
- Thin mounted plate on the vehicle body (16 mm).

POSSIBLE CONFIGURATIONS

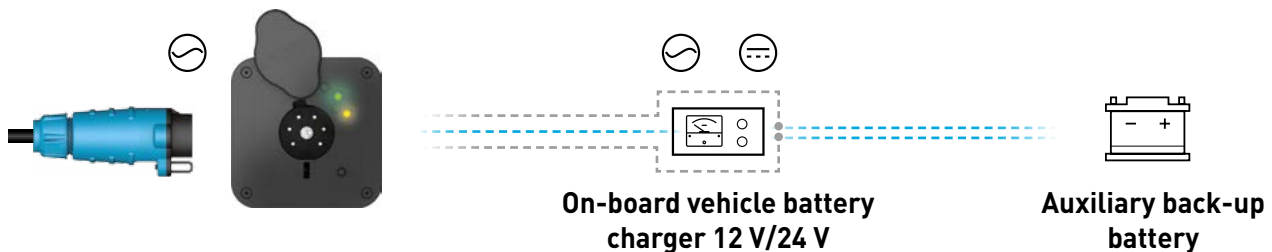
WITH AN EXTERNAL CHARGER POWER SUPPLY WITH 12 V DC OR 24 V DC



WITH AN ON-BOARD VEHICLE CHARGER UP TO 480 V AC POWER SUPPLY



OPTION a yellow LED battery charging indicator light



TECHNICAL FEATURES

GENERAL INFORMATION

RETTBOX® S

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 - mm²) 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 : mobile socket-outlet without plug cap	IP2X
IP : mobile socket-outlet with plug cap	IP44
Mating cycles	10 000
Box	IP54
Resistance to shocks	IK08
Ejection system	Automatic/Manual push button
Box and mobile socket-outlet material	Reinforced thermoplastics

PROTECTIONS

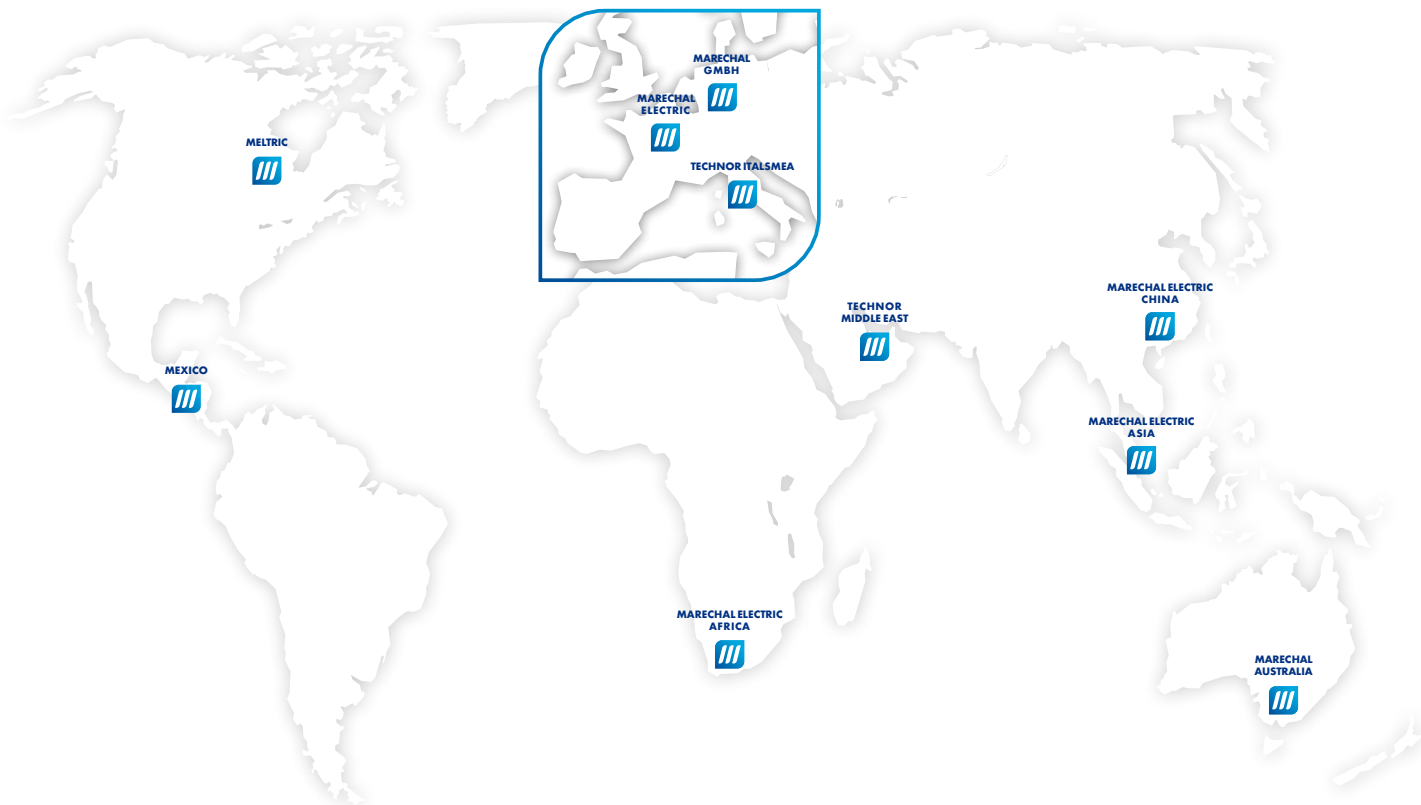
UV protection according to UL 746C	f1
Resistance to salt mist	> 50 000 h
Fastenings	Stainless steel screws

MAIN OPTIONS

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



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appearing in this
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