MARECHAL ELECTRICAL Rettbox-S Inlet Built-in Socket Instructions

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MARECHAL ELECTRICAL Rettbox-S Inlet Built-in Socket

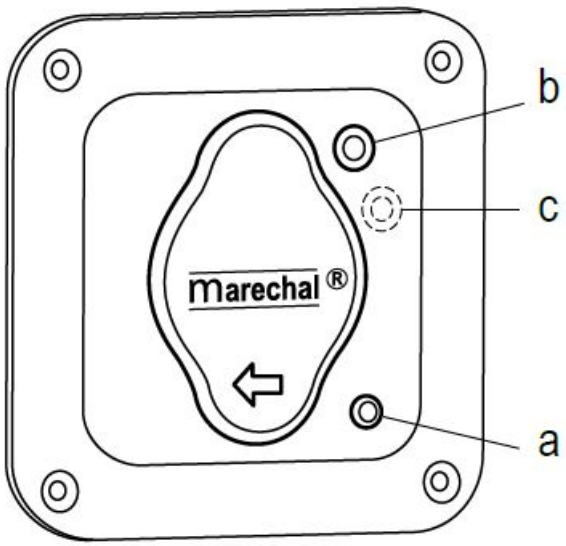
FOREWORD

This instruction sheet has been prepared in English and translated into different languages. Keep it for future use. In case of divergence, the English version shall prevail.

GENERAL

- When parked, vehicles may require a power supply (low or very low voltage), and compressed air. In the event of an emergency departure, these supplies must be disconnected automatically.
- The RETTBOX®S includes :
  (see Figure F1).

F1

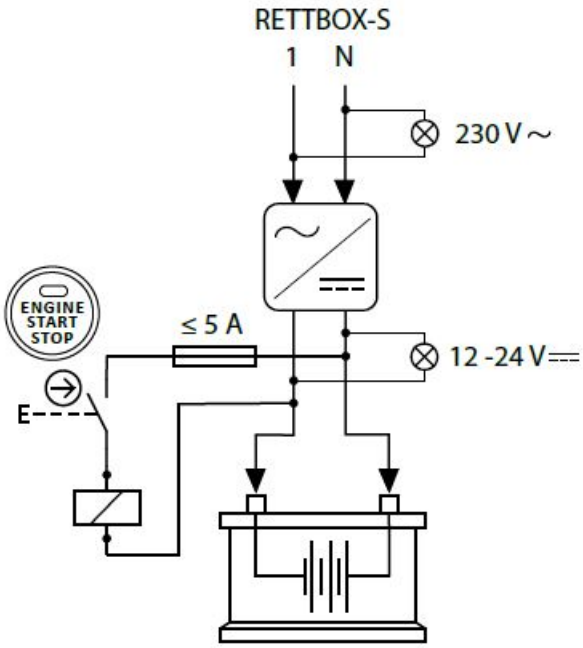


  - a box equipped with a cover ;
  - a manual ejection button (a)
  - 230 V and 400 V : a green voltage indicating LED (b) and a knock-out hole (c) allowing the assembly of an optional yellow indicating LED for the secondary voltage of the battery charger ;

- 12V DC and 24V DC : a yellow voltage indicator LED (b);
- an inlet, keyed according to its assigned voltage : 12 V, 24 V, 230 V, 400 V ;
- a portable socket-outlet ejection device ;

  See schematic diagram F3.

F3



- a compatible portable socket-outlet (only compatible devices will mate).

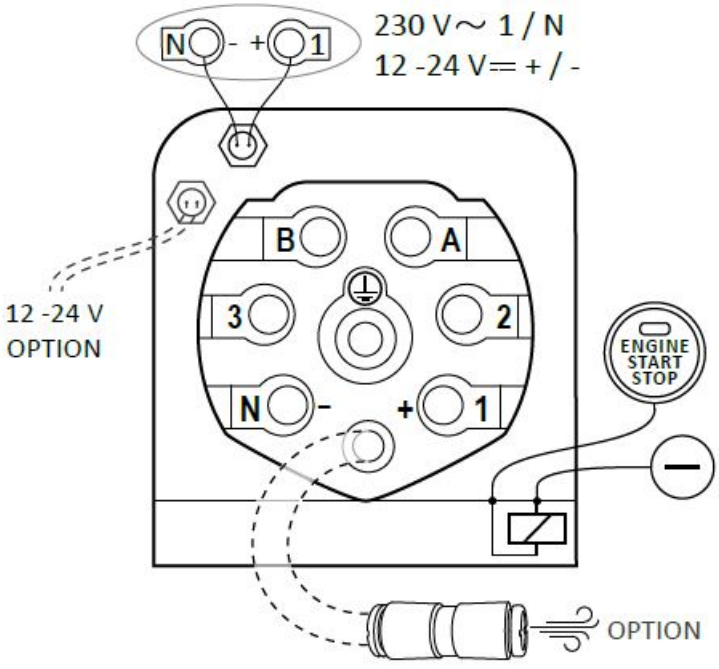
WIRING AND INSTALLATION

The RETTBOX®S/-air is equipped with :

- 6 live contacts ;
- 1 earth (ground) contact ;
- 1 compressed air supply.

  See figure F4 and table T2.

F4

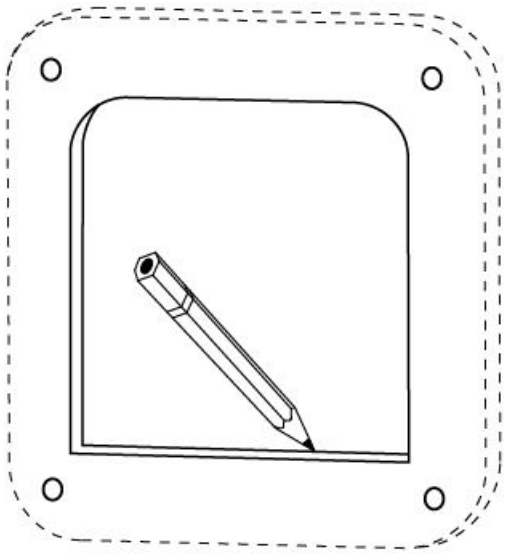


T2	32 A	20 A	20 A 12 V DC
	400 V AC	230 V AC	20 A 24 V DC
1 (+)	✓	✓	✓
2	✓	-	-
3	✓	-	-
N (-)	✓	✓	✓
⏚	✓	✓	-
Aux. A & B	✓	✓	✓
	OPTION	OPTION	OPTION

BOX

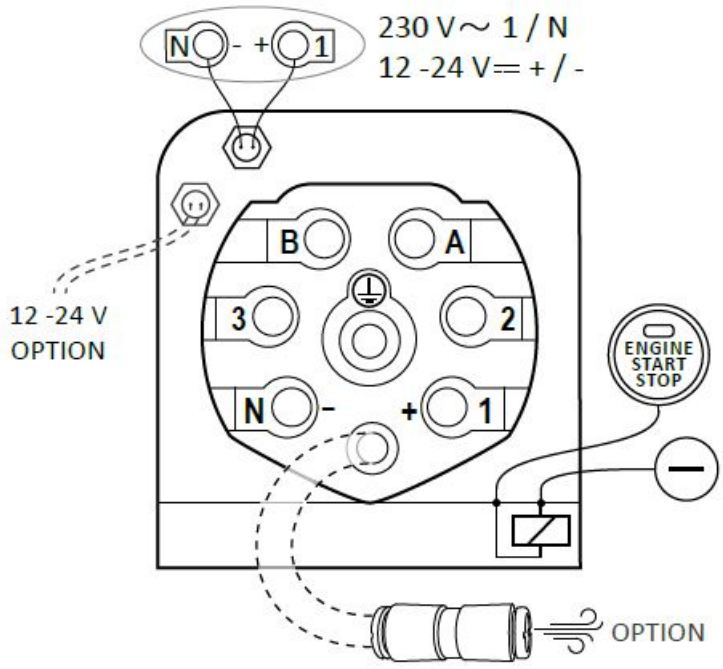
- Use the housing seal as a template for cutting and drilling the bodywork (Figure F2);

F2



- Rivet the inserts using RIVKLE® BRK 01 Böllhof pliers
- Wire the box respecting the marking of the terminals. See Figure F4 and Table T1 ;

F4

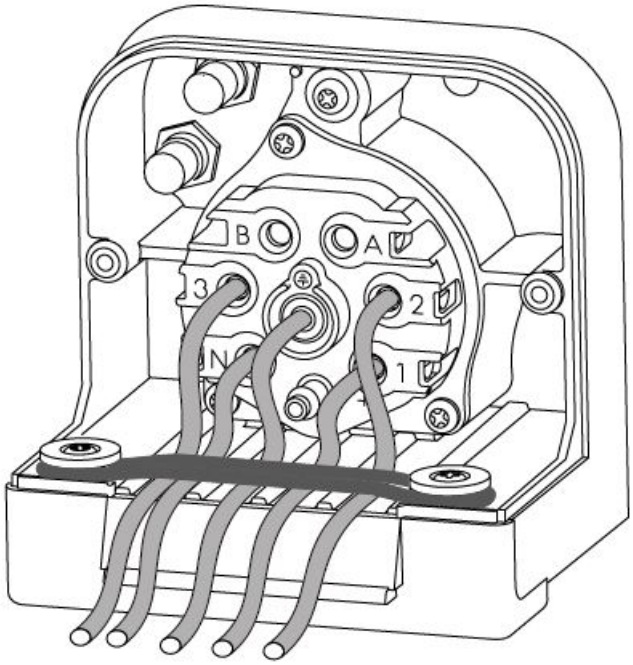


T1

	mini-maxi		
	mm²	mm	Nm (Нм)
	1.5 – 6	3	0.8
		T20	0.4
LED 230-400 V	✓	✓	-
LED 12-24 V	OPTION	OPTION	✓

- If any, connect the compressed air hose ;
- Wire the LED indicating the presence of supply voltage on the terminals of contacts 1/- and N/+;
- Wire the ejection device to the terminals of the vehicle starter, in 1.5 mm² minimum ;
- Pass the conductors under the elastic tape (see Figure F5)

F5



and assemble the rear cover of the housing. Assemble the housing and its seal on the body.

CONNECTOR

- Pass the cable or flexible conduit through the handle. Respect the marking of the terminals.
- If any, connect the compressed air hose (OD 6 mm);
- Adjust the length of the cable/conduit to prevent the connector from falling to the ground when it is ejected.

OPERATION

- Rotate the cover and keep it open ;
- Insert the portable socket-outlet and push it into the inlet until it latches. The voltage indicator lights on and the vehicle is powered ;
- When the engine starts, the connector is ejected and the cover closes.
- To disconnect the connector manually, an eject button is accessible on the front (Figure F1, item a).

MAINTENANCE

- Ensure that the fixing screws and cable glands are tight.
- Connector : verify that the weight of the cable is supported by the strain relief mechanism and not by the terminal connections.
- Check the cleanliness of contacts. Any deposit can be rubbed off with a clean cloth or compressed air. If necessary, replace damaged contacts.
- Inspect periodically IP gaskets for wear and resilience. Replace as required.
- Regularly check the continuity of the earth circuit by electric tests.

DECLARATION OF CONFORMITY

These devices use the MARECHAL® technology. They have been designed, manufactured and controlled in a

strict respect of the requirements and rules of international and european standards and particularly the European Low Voltage Directive 2014/35/EU. They bear the CE marking whenever applicable.

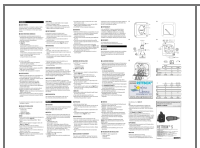
RESPONSIBILITY

In the case MARECHAL® devices are associated with devices
or spare parts other than from MARECHAL®, the CE marking
is invalidated and MARECHAL ELECTRIC S.A.S.'s responsibility cannot be engaged. MARECHAL ELECTRIC S.A.S.'s responsibility is strictly limited to the obligations expressly agreed in its general sales conditions. Any penalty or indemnity provided herein will be considered as lump damages, redeeming from any other sanctions.

DOCUMENTS

For the latest edition of our documents, visit **https://marechal.com/marechal/en/documentation.html**

Documents / Resources

	**MARECHAL ELECTRICAL Rettbox-S Inlet Built-in Socket** [pdf] Instructions Rettbox-S, Inlet Built-in Socket, Built-in Socket, Rettbox-S, Socket

References

- **Industrial plugs and socket-outlets for industries & ATEX/IECEx zones - MARECHAL®**
- **Industrial plugs and socket-outlets for industries & ATEX/IECEx zones - MARECHAL®**
- **Downloads - MARECHAL ELECTRIC - Catalogues, instruction sheets, certificates**
- **Descargas - MARECHAL ELECTRIC - Catalogo, instrucciones, certificados**
- **Téléchargements - MARECHAL ELECTRIC - Catalogues, notices, certificats**
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- **sales.asia - This website is for sale! - Sales Resources and Information.**
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