



RETTBOX 20A Plugs and Sockets User Guide

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RETTBOX®

RETTBOX 20A Plugs and Sockets



20 A/32 A

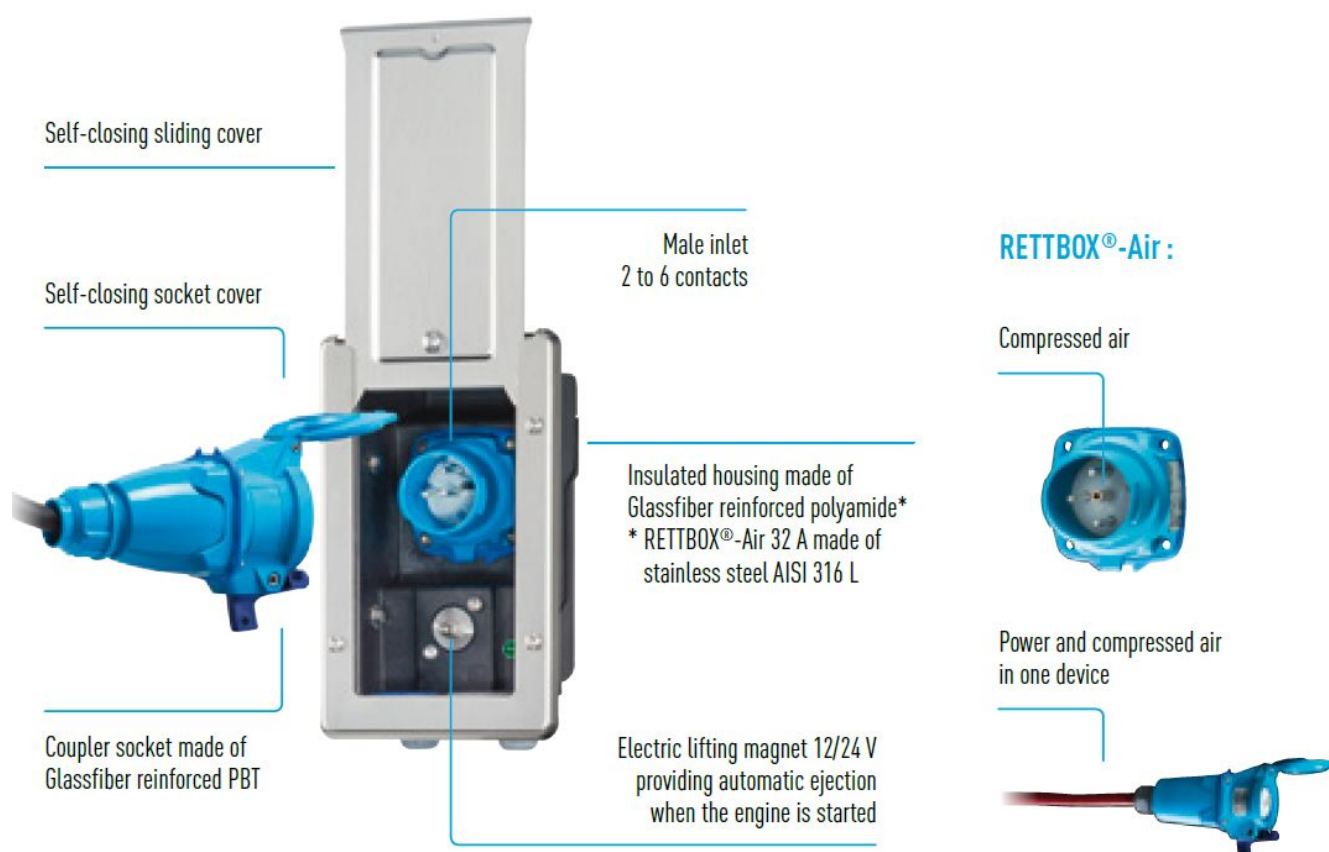
- For all types of emergency vehicles
- DECONTACTOR™ for power supply with secure/automatic ejection RETTBOX® or power supply with compressed air RETTBOX®-Air
- AISI 316 L stainless steel housing with the electromagnetic coil (12 V DC-24 V DC)
- Automatic ejection of the coupler socket upon start-up of the vehicle
- 5 pin connector for Anti-start function
- Voltage presence indicator
- RETTBOX®-Air: Compressed air supply up to 13 bar
- More than 10,000 matings tested

Main Feature

MAIN FEATURES

	RETTBOX® (20 A)	RETTBOX®-Air (20 A)	RETTBOX® (32 A)	RETTBOX®-Air (32 A)
Front	stainless steel	stainless steel	stainless steel	stainless steel
Box	glassfiber reinforced polyamide	glassfiber reinforced polyamide	stainless steel	stainless steel
Protection mode (trapdoor closed)	IP55	IP55	IP55	IP55
Self-closing coupler socket	IP55	IP55	IP55	IP55
Front dimensions (LxH) in mm	114 x 184	114 x 184	132 x 188	132 x 188
Cut-out dimensions on vehicle's frame (LxHxP) in mm	83 x 163 x 94	83 x 163 x 94	103 x 173 x 145	103 x 173 x 145
Coupler socket cable supplied	4 m	4 m*	4 m	4 m*
Auxiliary contacts (optional)	2 aux	no	3 aux	3 aux
Weight (excluding coupler socket)	1 200 g	1 200 g	3 200 g	3 200 g
Built-in decontactor	20 A	20 A	32 A	32 A
Compressed air duct	no	up to 13 bars	no	up to 13 bars
Cable	flexible	flexible	flexible	flexible

* with duct for compressed air



ENSURE SPEED AND SAFETY

Loading box connected to the electrical system of the vehicle.

Automatic ejection of the coupler socket upon start-up of the vehicle by way of an electric lifting magnet.

Protection against water and dust by means of a self-closing cover.



switched off
charge



Starting
ejection



1

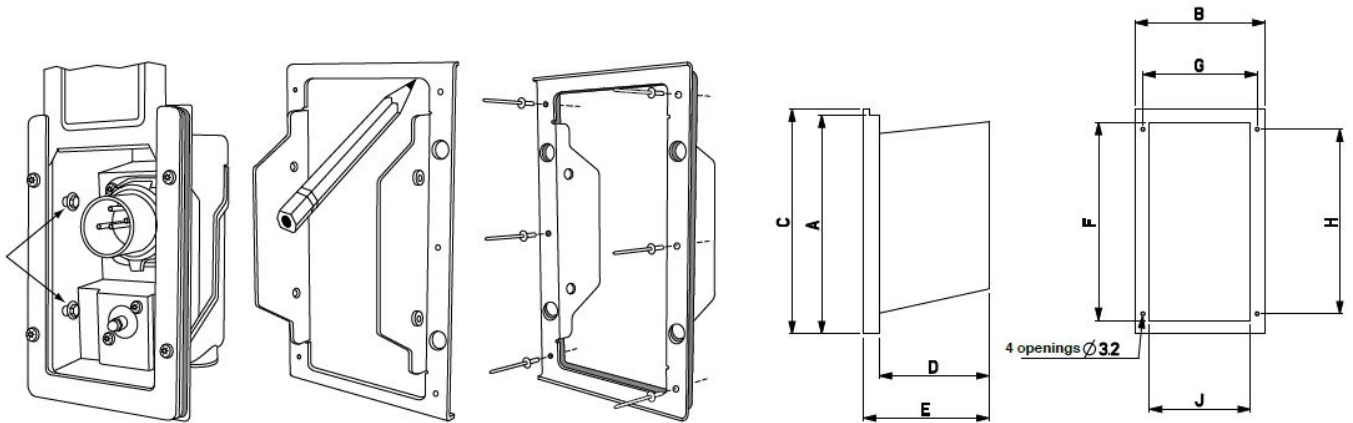


2



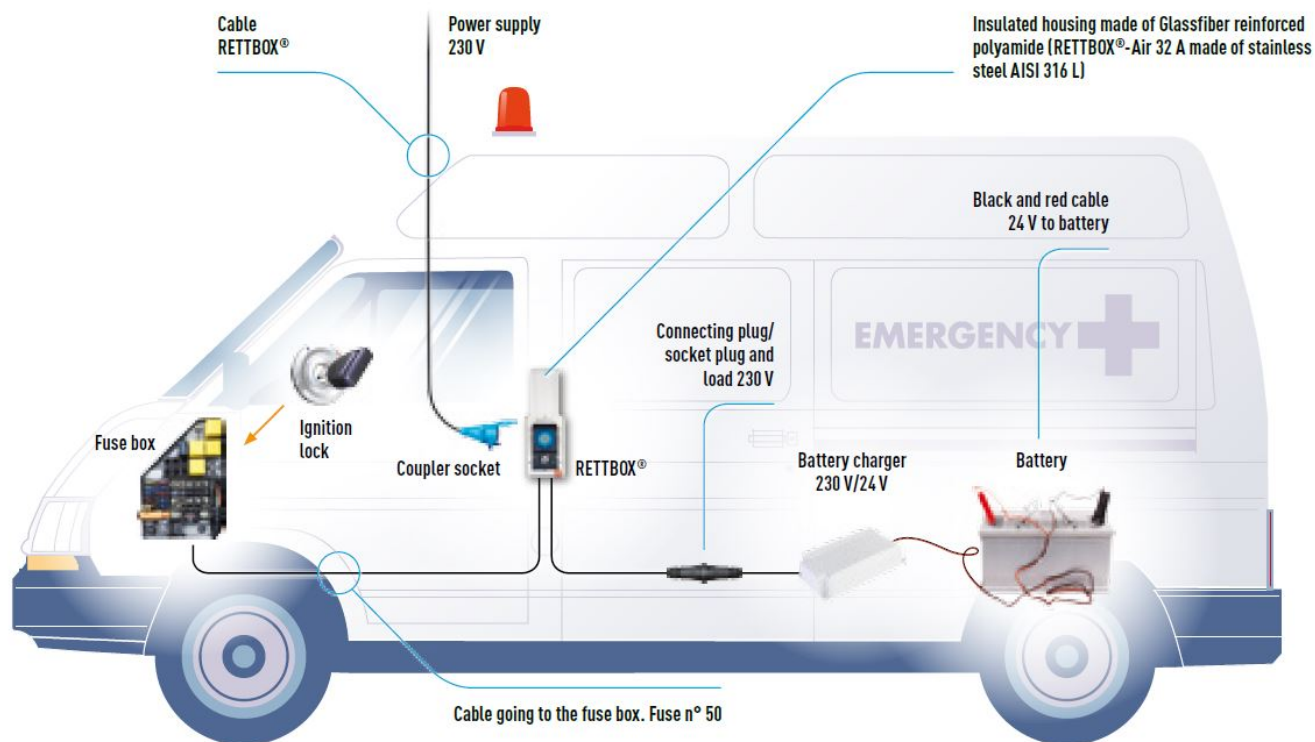
3

protection

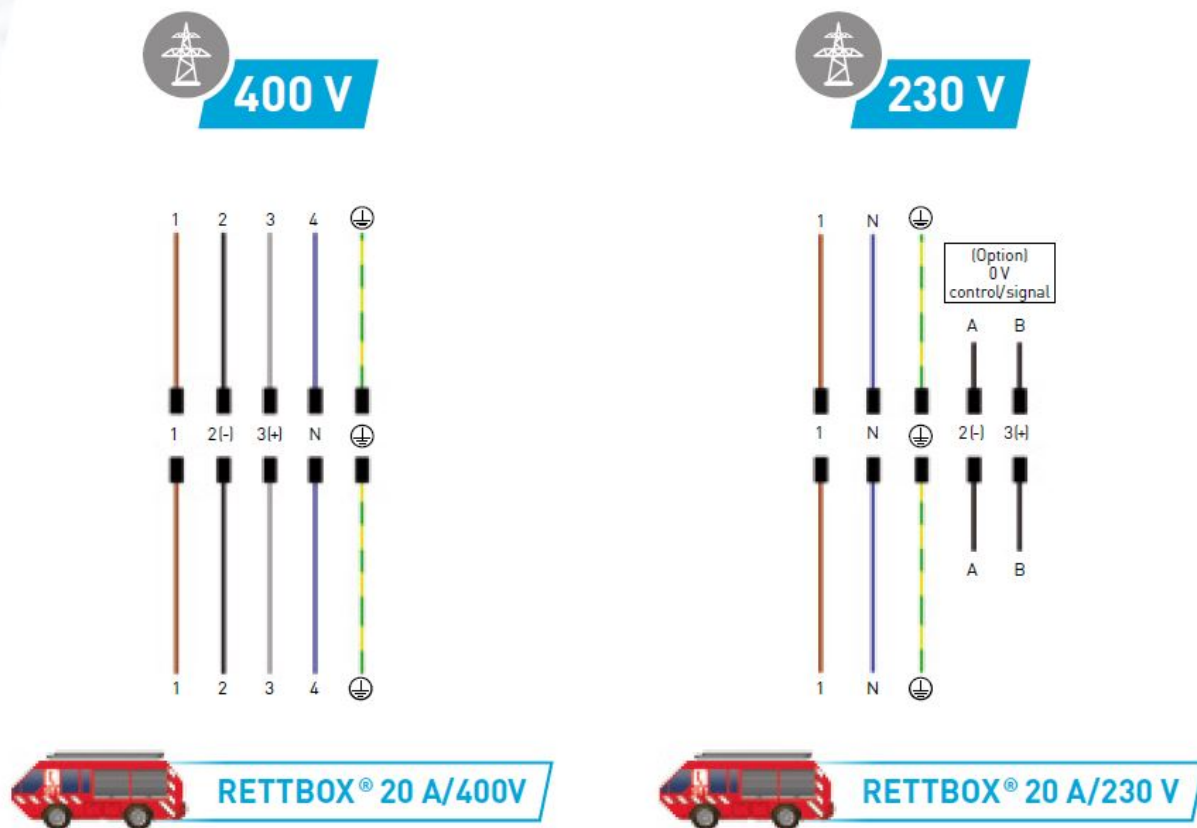
INSTALLATION STEPS & DIMENSIONS

	A	B	C	D	E	F	G	H	J
RETTBOX® 20 A	184	114	184	89	114	163	94	152	83
RETTBOX®-Air 20 A	184	114	184	89	114	163	94	152	83
RETTBOX® 32 A	188	132	197	140	151	173	116	169	103
RETTBOX®-Air 32 A	188	132	197	140	151	173	116	169	103

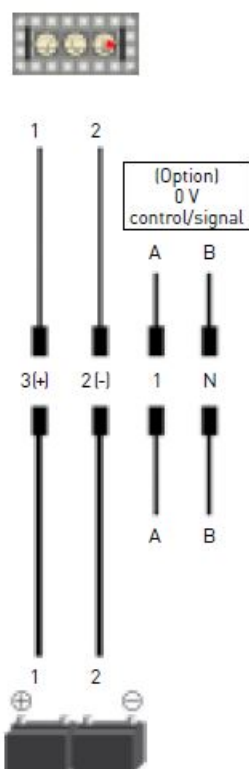
TYPICAL CONNECTING DIAGRAM RETTBOX®



WIRING DIAGRAM/RETTBOX® 20 A



12/24 V



RETTBOX® 20 A 12/24 V



• Observe polarity

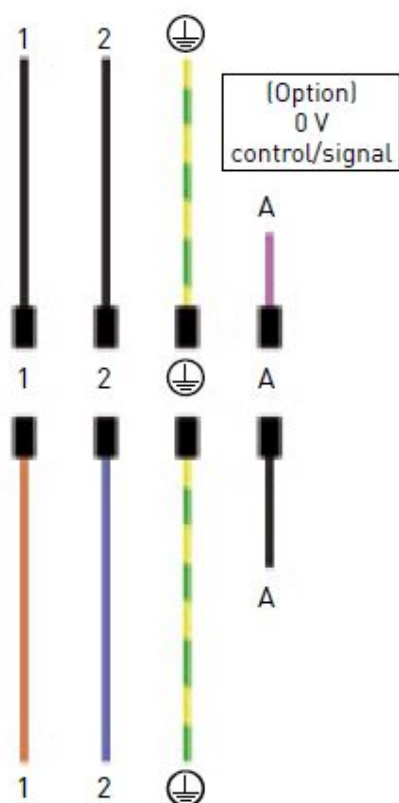
2 x 1,5 mm² min.



Due to a standardization, it was necessary to determine the color coding of the electric ejection (magnet) as follows:

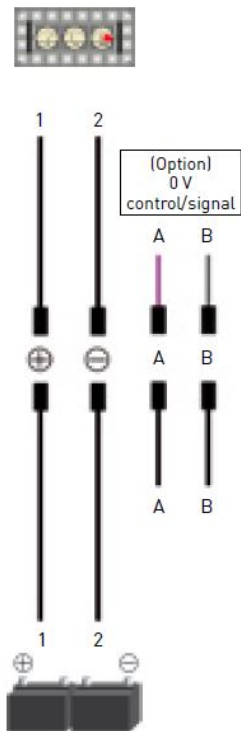
BLUE = PLUS (+), BROWN = MINUS (-).

Please be sure to observe the polarity, so that the freewheeling diode will not be damaged.



RETTBOX®-AIR 20 A / 230 V

12/24 V



RETTBOX®-AIR 20 A / 24 V



2 x 1,5 mm² min.

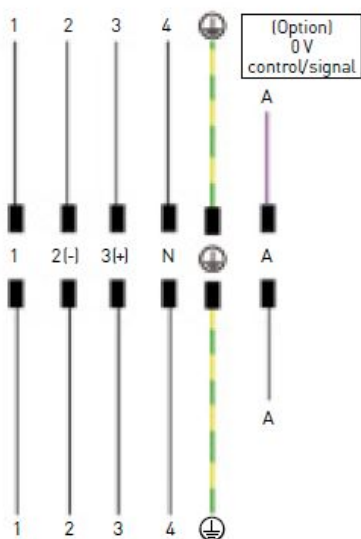


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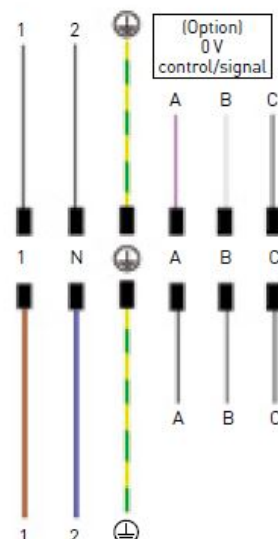
BLUE = PLUS (+), BROWN = MINUS (-).

Please be sure to observe the polarity, so that the freewheeling diode will not be damaged.

WIRING DIAGRAM/RETTBOX® 32 A

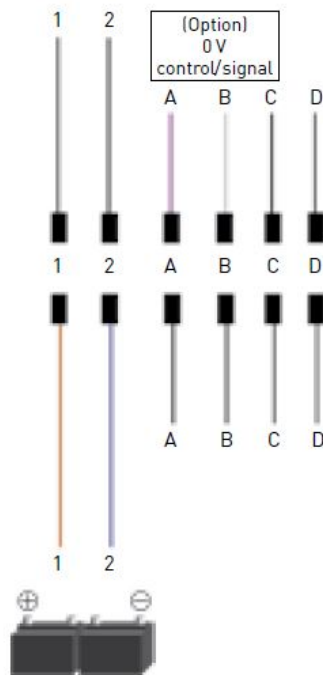


RETTBOX® 32 A/400 V



RETTBOX® 32 A/230 V

24 V



RETTBOX® 32 A/24 V



• Observe polarity

2 x 1,5 mm² min.



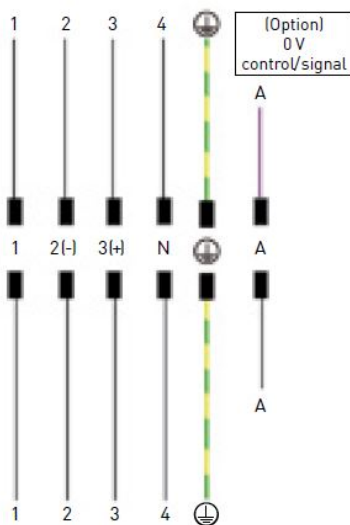
Due to a standardization, it was necessary to determine the color coding of the electric ejection (magnet) as follows:

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Please be sure to observe the polarity, so that the freewheeling diode will not be damaged.



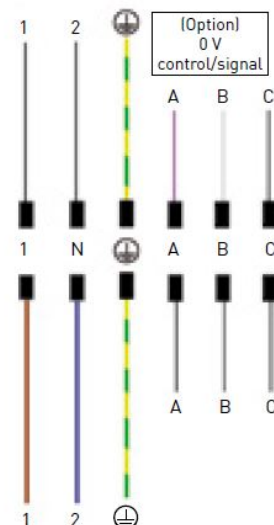
400 V



RETTBOX®-AIR 32 A/400 V

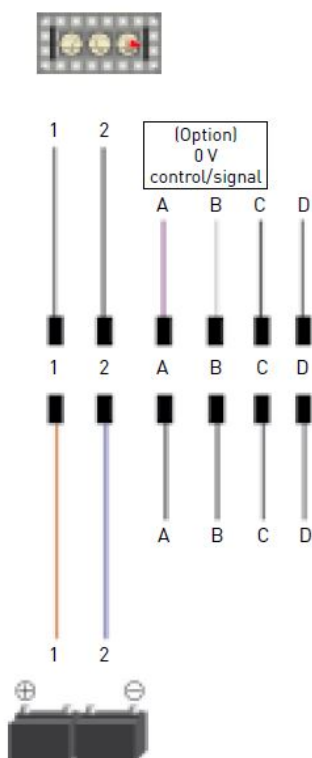


230 V



RETTBOX®-AIR 32 A/230 V

24 V



• Observe polarity

2 x 1,5 mm² min.



RETTBOX®-AIR 32 A/24 V



Due to a standardization, it was necessary to determine the color coding of the electric ejection (magnet) as follows:

BLUE = PLUS (+), BROWN = MINUS (-).

Please be sure to observe the polarity, so that the freewheeling diode will not be damaged.

OPTIONS

CEILING SUSPENSION SYSTEM



(M20) RETTBOX®

PART NUMBER

611AHUTRRRL

(M25) RETTBOX®-Air

611AHUTAAAL

(M25) RETTBOX® 32A

381AHUTRRRL

(M32) RETTBOX®-Air 32A

381AHUTAAAL

OPTIONAL MOUNTING BOX



RETTBOX®/RETTBOX®-Air

611AAUFBAUA1H

CONNECTING KIT FOR COUPLER SOCKET



RETTBOX®-Air

611AABZ

EXTENSION CORD




Extension cord RETTBOX® 2m CEE 230V
...Other on request

6113015RK2041


SPARE PARTS RETTBOX® 20 A


RETTBOX® 20 A, INLET		PART NUMBER
	230 V 20 A 1Ph+N+E	6118015RRR
	12 V DC 20 A + / -	6118059RRR
	24 V DC 20 A + / -	6118089RRR
	400 V 20 A 3Ph+N+E	6118017RRR
	230 V 20 A 1Ph+N+E+2 aux	6118175RRR

MAGNET FOR RETTBOX® 20 A		
	12 V	611AMAGRRR12
	24 V	611AMAGRRR24

PLUG CONTACT		
		611A011













SOCKET COUPLER RETTBOX® 20 A WITHOUT CABLE		
	230 V 20 A 1Ph+N+E	6113015RRR
	12 V DC 20 A + / -	6113059RRR
	24 V DC 20 A + / -	6113089RRR
	400 V 20 A 3Ph+N+E	6113017RRR
	230 V 20 A 1Ph+N+E+2 aux	6113175RRR

SOCKET RETTBOX® 20 A		
	230 V 20 A 1Ph+N+E	6114015RRR
	12 V DC 20 A + / -	6114059RRR
	24 V DC 20 A + / -	6114089RRR
	400 V 20 A 3Ph+N+E	6114017RRR
	230 V 20 A 1Ph+N+E+2 aux	6114175RRR













HANDLE FOR RETTBOX® 20 A SOCKET COUPLER		
	Poly	511P0D18

CORD FOR MANUAL SEPARATION (SOCKET COUPLER)		
		611AZIE

SOCKET CONTACT		
		611A021

RETTBOX®-AIR 20 A, INLET		PART NUMBER
	230 V 20 A 1Ph+N+E access from below	6118015AAAU
	230 V 20 A 1Ph+N+E access from behind	6118015AAAH
	12 V DC 20 A + / - access from below	6118059AAAU
	12 V DC 20 A + / - access from behind	6118059AAAH
	24 V DC 20 A + / - access from below	6118089AAAU
	24 V DC 20 A + / - access from behind	6118089AAAH
MAGNET FOR RETTBOX®-AIR 20 A		
	12 V	611AMAGRRR12
	24 V	611AMAGRRR24
COMPRESSED AIR STICK FOR RETTBOX®-AIR 20 A INLET		
		611ASTI
STRAIGHT COMPRESSED AIR COUPLER FOR RETTBOX®-AIR 20 A INLET		
	Straight	611AGER
ANGLE COMPRESSED AIR COUPLER FOR RETTBOX®-AIR 20 A INLET		
	Angle	611AWIN
PLUG CONTACT RETTBOX®-AIR 20 A		
		611A011
COUPLER SOCKET RETTBOX®-AIR 20 A, WITHOUT CABLE		
	230 V 20 A 1Ph+N+E	6113015AAA
	12 V DC 20 A + / -	6113059AAA
	24 V DC 20 A + / -	6113089AAA
SOCKET RETTBOX®-AIR 20 A		
	230 V 20 A 1Ph+N+E	6114015AAA
	12 V DC 20 A + / -	6114059AAA
	24 V DC 20 A + / -	6114089AAA
HANDLE FOR COUPLER SOCKET RETTBOX®-AIR 20 A		
	Poly	511P025P
CORD FOR MANUAL SEPARATION (SOCKET COUPLER)		
		611AZIE
COMPRESSED AIR COUPLER FOR RETTBOX®-AIR 20 A SOCKET		
		611ADRU
SOCKET CONTACT		
		611A021

SPARE PARTS RETTBOX® 32 A & RETTBOX®-AIR 32 A

RETTBOX®-AIR 32 A, INLET		PART NUMBER
	230 V 32 A 1Ph+N+E+3aux	3818187AAA
	400 V 32 A 3Ph+N+E+1aux	3818247AAA
MAGNET FOR RETTBOX®-AIR 32 A		
	12 V	381AMAGRRR12
	24 V	381AMAGRRR24
COMPRESSED AIR STICK FOR RETTBOX®-AIR 32 A INLET		
		381ASTI
STRAIGHT COMPRESSED AIR COUPLER FOR RETTBOX®-AIR 32 A INLET		
	Straight	381AGER
PLUG CONTACT RETTBOX®-AIR 32 A		
		311A011
PLUG AUXILIARY CONTACT RETTBOX®-AIR 32 A		
		311A01930
COUPLER SOCKET RETTBOX®-AIR 32 A, WITHOUT CABLE		
	230 V 32 A 1Ph+N+E+3aux	3813187AAA
	400 V 32 A 3Ph+N+E+1aux	3813247AAA
SOCKET RETTBOX®-AIR 32 A		
	230 V 32 A 1Ph+N+E+3aux	3814187AAA
	400 V 32 A 3Ph+N+E+1aux	3814247AAA
HANDLE FOR COUPLER SOCKET RETTBOX®-AIR 32 A		
	Poly	512P032P
CORD FOR MANUAL SEPARATION (SOCKET COUPLER)		
		381AZIE
COMPRESSED AIR COUPLER FOR RETTBOX®-AIR 32 A SOCKET		
		381ADRU
SOCKET CONTACT RETTBOX®-AIR 32 A (SAME ONE FOR AUXILIARIES)		
		311A021

WEBSITE

- Retrieve your business contacts.

- Download our documentation related to your field of activity.
- Learn more about our group.
- Discover our new products.
- Follow our current events.
- Ask your questions online.

NON CONTRACTUAL DOCUMENTS AND PICTURES

All the indications appearing in this catalog are indicative and could not constitute a commitment on our part. We reserve the right to alter the specifications of our products without any prior notice in our efforts to continuously improve our product's features. For your information, the most updated version is the one on our website.

Documents / Resources

	<p>RETTBOX 20A Plugs and Sockets [pdf] User Guide 20A Plugs and Sockets, 20A, Plugs and Sockets</p>
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References

- [Industrial plugs and socket-outlets for industries & ATEX/IECEX zones - MARECHAL®](#)