

RETTBOX® S is a compact power supply device for all services and safety vehicles.

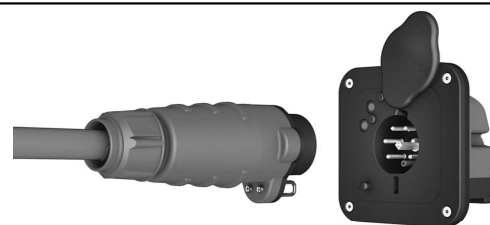
Fitted with an on-load breaking capacity integrated switch, an electromechanical self-ejection of the portable socket-outlet when starting the vehicle, and a light indicator (LED) for presence of power supply.

RETTBOX® S complies with the essential requirements of the following regulations (a):

- European Directives Low Voltage (LVD) and RoHS (affixing of CE marking),
- REACH European Regulation,
- standards IEC/EN 61984 (essential safety requirements), IEC/EN 60947-3 (breaking capacity AC/DC-22A).

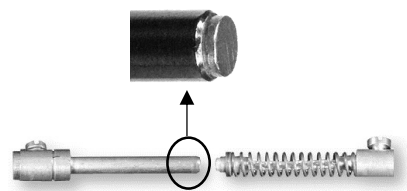
General information

		RETTBOX® S	
		20 A	20 A
		24 V DC	230 V AC
(b) I_n		X	≤ 500
U_{max} (V AC/V DC)		6P+E	6P+E
(c) Frequency (Hz)		7	
(d) Number of contacts		1.5 - 6	1.5 - 6
Number of keying positions		0.8 Nm	0.8 Nm
Connection (min - max): mm²		Option	Option
	Flexible conductors (Cu): main contacts	3	3
Tightening torque - main contacts			
Wiring lugs			
(e) Pollution degree			
Breaking as switch according to IEC/EN 60947-3			
Category AC-22A: I_n (A) - U_{max} (V AC)		NA	20 - 230
Category DC-22A: I_n (A) - U_{max} (V DC)		20 - 24	NA
Number of operations			
	Mechanical	10 000	10 000
Thermal features			
Temperature of use mini/maxi (°C)		-40/+60 °C	-40/+60 °C
Storage temperature mini/maxi: (°C)		-40/+80 °C	-40/+80 °C
Maximal temperature rise (Kmax): new device		23 K	23 K
Time constant (to reach 63 % of Kmax)		17 mn	17 mn
Mechanical features			
(f) IP : Baseplate lid closed		IP54	IP54
(f) IP : Portable socket-outlet		IP2X	IP2X
(g) IK		IK08	IK08
Retaining/releasing device		Automatic - push-button	
(h) Casing		GRP (poly)	
	Standard color	Black	
Resistance of chemical agents		Contact us	
Protection against UV according to UL 746C		f1 f1	
Salt mists resistance		> 50 000 h	
Screws and bolts		Stainless steel	
Weight of inlet without accessory (≈)		0.21 kg	0.21 kg
Weight of socket-outlet without accessory (≈)		0.41 kg	0.41 kg
Mounting accessories			
Poly straight handle with built-in cable gland: range take (mm)		5 - 21	5 - 21
Poly 60° handle with built-in cable gland: range take (mm)		9 - 18	9 - 18
Poly box: angle (°)		0	0
Main options			
Included light indicator		Yellow	Green
Additional light indicator (option)		X	Yellow
Straight handle, built-in cable gland		✓	✓
60° angled handle (adaptator plate), built-in cable gland		✓	✓
Spare parts			
Inlet or socket-outlet contacts		✓	✓
Gaskets		✓	✓
Light indicator		✓	✓



Portable socket-outlet

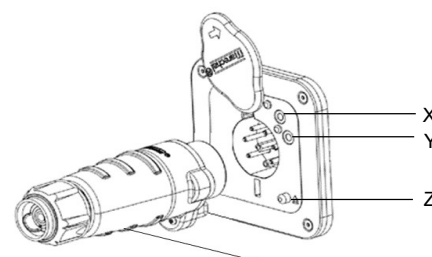
Baseplate



Contacts with silver nickel alloy tips (Ag/Ni : 85/15)



Spring assisted terminal:
Stainless steel ring



X : Power supply light indicator

Y : Battery voltage light indicator (option)

Z : Manual unlocking (push-button)

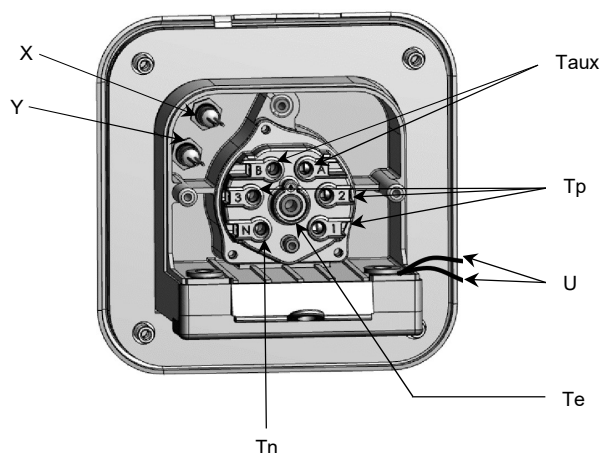
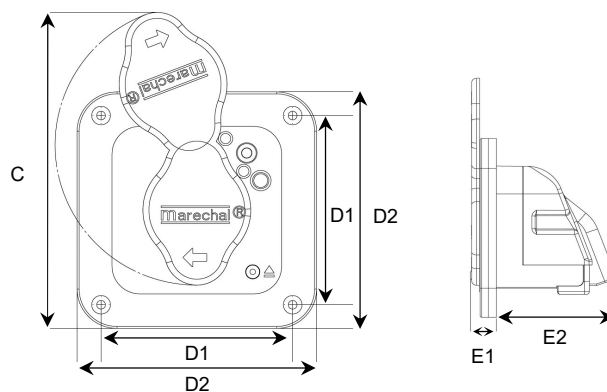
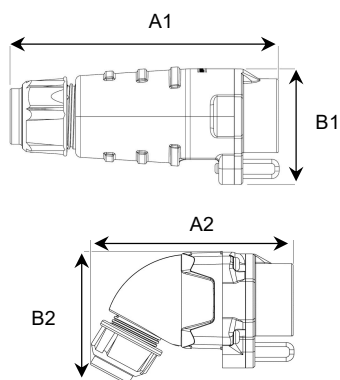
Straight handle, built-in cable gland



AA : 5 sizes gasket

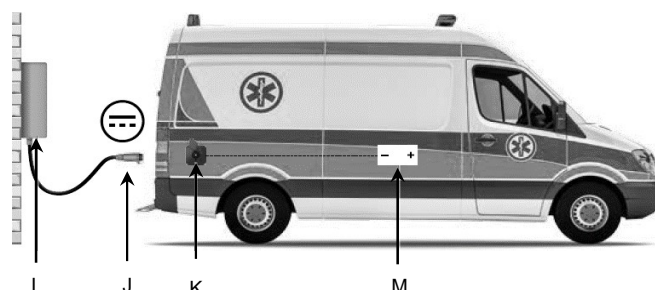
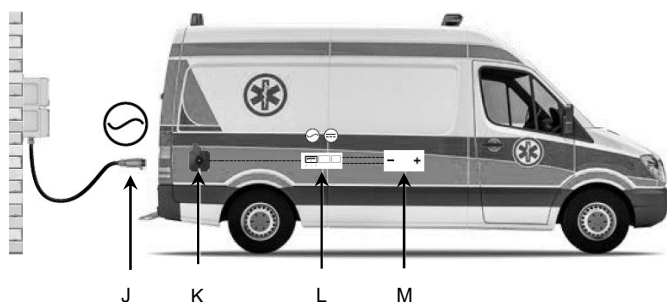
Dimensions

	mm
A1	156
A2	109
B1	66
B2	77
C	160
D1	96
D2	120
E1	16
E2	75



Te: Earthing terminal
Tn: Neutral terminal
Tp: Phases terminals
Taux: Auxiliaries terminals
U: Locking system supply
X : Power supply light indicator
Y : Battery voltage light indicator (option)

Examples of uses



J: RETTBOX® S power supply portable socket-outlet

K: RETTBOX® S baseplate:

- yellow light indicator for 12/24 V DC
- green light indicator for 230 V AC + in option yellow light indicator connected to the auxiliary battery terminals

L: External or onboard battery charger 12/24 V DC

M: Auxiliary battery

- (a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals
IEC/EN 60947-3 : "Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units"
IEC/EN 61984 : "Connectors – Safety requirements and tests"
- (b) In : Rated current, current value defined by the manufacturer
- (c) Other frequency: contact us
- (d) Contacts with silver nickel alloy tips (Ag/Ni : 85/15)
- (e) Pollution degree [IEV 581-21-07]: "Numeral characterizing the expected pollution of the micro-environment."
"Degree 3. Conductive pollution occurs, or dry, non-conductive pollution occurs which becomes conductive due to condensation."
- (f) IP : Degrees of protection provided by enclosures (IEC/EN 60529)
- (g) IK : Degrees of protection provided by enclosures against mechanical impacts (IEC/EN 62262)
- (h) GRP : Glass-reinforced technical plastic