



Homebox

Specifications

General characteristics

Reference number	78161003 / 78321063 / 78081003 / 78161006 / 78081005 / 78321064 / 78161005 / 78101985 / 78101975 / 78081010 / 78081020 / 78081030
Reference number (Eichrecht)	78323040 / 78083000
Reference number (FR)	78587000 / 78587001
Dimension H x W x D (mm)	530 x 220 x 200
Casing material	Steel 2,2 mm
Standard colour	Body: Ral 7011 / Cover: Ral 9016
Steel treatment	Anti-corrosion (KTL) and powder coating
Weight (kg)	10 kg for 78083000 / 78587000 / 78081003 / 78587001 / 78081005 / 78081010 12 kg for 78323040 / 78161003 / 78321063 / 78161006 / 78321064 / 78161005 / 78101985 / 78101975 / 78081020 / 78081030
Number of charging points	1
Socket	Type 2
Cable	Type 2

Electrical characteristics

Power output per socket	0 to 22 kW for 78323040 / 78083000 / 78587000 / 78321063 / 78081003 / 78587001 / 78081005 / 78321064 / 78101985 / 78101975 / 78081010 / 78081030 0 to 11 kW for 78161003 / 78161006 / 78161005 / 78081020
Operating voltage (Ue) / Current rates (In A, In C)	Single-phase cabling, phase + N 230V~ from 0 to 32A (determined at 20°C) Three-phase cabling, 3 phases + N 400V~ from 16 to 32A (determined at 20°C)
Impulse voltage (Uimp)	4kV
Insulation voltage (Ui)	230V single-phase 500V three-phase
Frequency (fn)	50Hz/60Hz
Rated voltage	1 phase + N: 230V - 3 phases + N: 400V
Voltage tolerance (V) regardless of vehicle requirements	195V - 265V
Integrated protection system	MCB 40A curve C + RCD 40A 30mA Type B for 78323040 / 78083000 / 78161003 / 78321063 / 78081003 / 78161006 / 78081005 / 78321064 / 78161005 / 78101985 / 78101975 MCB 40A curve C + RCD 40A 30mA Type A + 6mA DC for 78081010 / 78081020 / 78081030 MCB 40A curve C for 78587000 / 78587001
Conditional short-circuit	6000A IEC/EN 60898-1 10kA IEC/EN 60947-2
Allowable thermal stress in Short Circuit	16 000 A²s

Connection to the mains	Phase/Neutral, rigid cable, 2.5 to 25 mm ² , screw terminals HO7 V R/U Earth, rigid cable, 2.5 to 25mm ² , screw terminals HO7 V R/U
Type of load	Mode 3 charging terminal equipped with a locking system for Mode 3
Vehicle connection Mode 3 connector socket (78083000 / 78587000 / 78081003 / 78587001 / 78081005 / 78081010)	Type 2 3P+N (single-phase compatible) with pilots compliant with IEC 62191-1 and IEC 62196-2. Use only a manufacturer-approved plug with silver-plated contacts. Use of extension and adapter prohibited.
Vehicle connection Mode 3 attached cable connector	Type 2 3P+N (single-phase compatible) with pilots compliant with IEC 62191-1 and IEC 62196-2. Use of extension and adapter prohibited. 78323040: 3.5m straight 3x32A 78161003 / 78161006 / 78161005 / 78081020: 4m curl 3x16A 78321063 / 78321064 / 78081030: 6m straight 3x32A
AC meters	MID certified, Class B according to EN 50470-1, -3
Back office protocol	OCPP 1.6 Json
Positioning	GPS
Connectivity Ethernet	RJ45 connector for 78323040 / 78083000 / 78587001 / 78081005 / 78321064 / 78161005 / 78101985

Environment

Operating temperature	-25°C / +50°C
Storage temperature	-25°C / + 80°C
Relative humidity	0 to 90% without condensation
Corrosivity class	C4 according to the IEC 9223 and IEC 12944 3C3/4C3 according to the IEC 60721-3
Protection rating	IP 54 (IEC 60529), IK 10 (EN 62262) Plugged in or not
Noise level	< 40 dBA at 1m
Product	IEC 61851-1, IEC TS 61439-7 (AEVCS)
Installation	Interior or exterior, limited access zone, intended for use by ordinary persons (DBO), assembly in cabinet (wall mounted), Pollution Degree 3, TNS, TT, compatible earthing system. In the event of an IT earthing system, this can be changed locally by adding an isolation transformer.
Electrical safety	Class 1 IEC 61140
Eichrecht conform	78323040 / 78083000

Electromagnetic compatibility

European standards	Low Voltage Directive 2014 / 35EU / EMC Directive: 2014 / 30 / EU
Radio technology type	GSM 2G/3G/4G, GPRS, RFID
Suitable charging cards	Mifare, Ntag and iCODE SLI cards (more info)



Ecotap B.V.

Kruisbroeksestraat 23
5281 RV Boxtel
The Netherlands
+31(0) 411 210 210
info@ecotap.nl
www.ecotap.nl