Product datasheet

Specifications

EV charge controller, EcoStruxure EV Charging Expert, 250 charging stations, 20 zones, dynamic load management

HMIBX1A0NEVB100SCP

Main

Range	EcoStruxure EV Charging Expert
Product name	EcoStruxure EV Charging Expert
Product or component type	EV charge controller
Type of installation	Indoor

Complementary

Installed device	Modem 3G/4G (to be ordered separately) Meter device (to be ordered separately)
Range compatibility	EVlink EVlink Pro AC EVlink EVlink Pro DC EVlink EVlink Smart Wallbox EVlink EVlink City EVlink EVlink parking Schneider Charge Pro
Device application	To manage the overall energy allocated to each vehicle
Mounting mode	Wall mount
Mounting support	DIN rail
Mounting position	Horizontal/vertical
load management	Dynamic
max managed charging stations	250 charging stations
max managed charging points	250 charge points
max nb of zone levels	4
max nb of zones	20
functions selection	With priority charging profile With time-of-use settings With PV integration With BEMS integration via API With authentication via badges With transaction logs
Communication interface	Ethernet RJ45 Cat.6 to connect device to PC Ethernet RJ45 to connect device to charging station Modem to connect device to central management system
Communication service	Web server for HTTPS Web server for OCPP 1.6J
OCPP version	Latest available version
[Us] rated supply voltage	9...36 V DC
Power consumption in W	24 W
Electromagnetic compatibility	Conducted and radiated emissions conforming to EN 55011

Height	141 mm
Width	99 mm
Depth	48 mm
Net weight	950 g
Standards	IEC 61000-6-1 IEC 61131-2
Product certifications	CE UKCA RCM
Targeted country	All

Environment

IP degree of protection	IP20
Ambient air temperature for operation	-20…70 °C
Ambient air temperature for storage	-40…80 °C
Relative humidity	10…95 %

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.500 cm
Package 1 Width	18.000 cm
Package 1 Length	27.000 cm
Package 1 Weight	1.226 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.466 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**1 022 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**37 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**970 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**13 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**9415c389-cf82-4a39-b3ad-20ffe680ce08**
REACh Regulation	**REACh Declaration**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**58**
End of life manual availability	**End of Life Information**
Take-back	**No**

Image of product / Alternate images

Alternative


Port 2
GND
D+2
D-2
GND
D+1
D-1
GND
CTS2
RTS2
RX-2
RX+2
TX+2
TX-2
GND
CTS1
RTS1
RX-1
RX+1
TX+1
TX-1
Port 1
Reset


Schneider
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HMIBX1A0NDA


Schneider Electric
LAN 2
LAN 1
USB3.0
HDMI
DC IN 12V~24V