Product datasheet

Specifications

Green Premium™

EV charge controller, EcoStruxure EV Charging Expert, 50 charging stations, dynamic charge management

HMIBSCEA53D1EDM

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 Smart Wallbox EVlink EVlink parking EVlink EVlink City
Device Application	To manage the overall energy allocated to each vehicle
Mounting Mode	Wall mount
Mounting Support	Rail
Mounting Position	Horizontal/vertical
Load Management	Dynamic
Max Managed Charging Stations	50 charging stations
Max Managed Charging Points	100 charge points
Max Nb Of Zone Levels	3
Max Nb Of Zones	10
Functions Selection	With priority charging profile With time-of-use settings
Communication Interface	Ethernet RJ45 Cat.6 to connect device to charging station Ethernet RJ45 to connect device to charging station Modem to connect device to central management system
Communication Service	Web server for OCPP 1.6 Via Modem
Ocpp Version	JSON
[Us] Rated Supply Voltage	12...24 V DC
Power Consumption In W	16 W
Input Type	Energy meter
Electromagnetic Compatibility	Conducted and radiated emissions class A conforming to EN 55022
Height	150 mm
Width	157 mm
Depth	46 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Net Weight	1 kg
Standards	EN/IEC 61131-2 EN 55011 EN/IEC 61000-6-4
Product Certifications	CE EAC RCM
Targeted Country	All
Services	Commercial service plan0...50 °C

Environment

Ip Degree Of Protection	IP40
Ambient Air Temperature For Operation	0…50 °C
Ambient Air Temperature For Storage	-20…60 °C
Operating Altitude	0...2000 m
Relative Humidity	10…95 %

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	22.0 cm
Package 1 Length	32.0 cm
Package 1 Weight	1.4 kg
Unit Type Of Package 2	CAR
Number Of Units In Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	9.24 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information