

# Product datasheet

Specifications



## EV charge controller, EcoStruxure EV Charging Expert, 30 charging stations, Schneider Charge Pro, 5 zones, dynamic charge management

HMIBSCEA53D1EM30

EAN Code: 3606487646068

### 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)<br>Meter device (to be ordered separately)                                                                                                             |
| Range compatibility           | 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 | 30 charging stations                                                                                                                                                                          |
| max managed charging points   | 60 charge points                                                                                                                                                                              |
| max nb of zone levels         | 3                                                                                                                                                                                             |
| max nb of zones               | 5                                                                                                                                                                                             |
| functions selection           | Without priority charging profile<br>With time-of-use settings<br>Without PV integration<br>Without BEMS integration via API<br>Without authentication via badges<br>Without transaction logs |
| Communication interface       | Ethernet RJ45 Cat.6 to connect device to PC<br>Ethernet RJ45 to connect device to charging station<br>Modem to connect device to central management system                                    |
| Communication service         | Web server for HTTPS<br>Web server for OCPP 1.6J                                                                                                                                              |
| OCPP version                  | Latest available version                                                                                                                                                                      |
| [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                                                                                                                               |

Rates duty January 2016

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

|                        |                                                |
|------------------------|------------------------------------------------|
| Height                 | 150 mm                                         |
| Width                  | 157 mm                                         |
| Depth                  | 46 mm                                          |
| Net weight             | 1 kg                                           |
| Standards              | EN/IEC 61131-2<br>EN 55011<br>EN/IEC 61000-6-4 |
| Product certifications | CE<br>EAC<br>RCM                               |
| Targeted country       | All                                            |
| Services               | Commercial service plan 0...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             | 32.5 cm |
| Package 1 Width              | 22 cm   |
| Package 1 Length             | 8.5 cm  |
| Package 1 Weight             | 1.41 kg |
| Unit Type of Package 2       | S04     |
| Number of Units in Package 2 | 6       |
| Package 2 Height             | 30 cm   |
| Package 2 Width              | 40 cm   |
| Package 2 Length             | 60 cm   |
| Package 2 Weight             | 9.22 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 >](#)

Use Better

|  Materials and Substances |                                   |
|------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant with Exemptions         |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a> |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WEEE                                                                                                       |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |