

| Variant   | BASIC  |                                       | MID                                   |   | ERK                                   |
|---|--|---------------------------------------|---------------------------------------|---|---------------------------------------|
|   | GHO11E10K<br>GHO11E100K<br>GHO11E102K  | GHO22E10K<br>GHO22E100K<br>GHO22E102K | GHO11E21K<br>GHO11E210K<br>GHO11E212K | GHO22E21K<br>GHO22E210K<br>GHO22E212K   | GHO22E22K<br>GHO22E221K<br>GHO22E223K |
| <b>Electrical specifications</b>                          |  |                                       |                                       |   |                                       |
| Charging power [kW]                                       | 11   | 22                                    | 11                                    | 22  | 22                                    |
| Mains voltage [V]   | 220-240 / 380-415  |                                       |                                       |   | 230 / 400                             |
| Mains frequency [Hz]                                      | 50 / 60  |                                       |                                       |   |                                       |
| Vehicle charging connector                                | Type 2   |                                       |                                       |   |                                       |
| Rated current [A]   | 16   | 32                                    | 16                                    | 32  | 32                                    |
| Charging power Mode 3 [kW]                                | 11   | 22                                    | 11                                    | 22  | 22                                    |
| Rated current Mode 3 [A]                                  | 3x16   | 3x32                                  | 3x16                                  | 3x32  | 3x32                                  |
| Mains connection  | L1, L2, L3, N, PE  |                                       |                                       |   |                                       |
| Overvoltage category (IEC 60664)                          | III  |                                       |                                       |   |                                       |
| Residual direct current detecting device (RDC-DD) [mA DC] | IΔN 6  |                                       |                                       |   |                                       |
| Installation network                                      | TT/TN 3- and 1-phase; IT 1-phase   |                                       |                                       |   |                                       |
| Protection class  | I  |                                       |                                       |   |                                       |
| Energy consumption [W] (energy saving mode on)            | < 1  |                                       | < 1                                   |   |                                       |
| Energy consumption [W] (energy saving mode off)           | < 7  |                                       | < 8                                   |   |                                       |
| <b>Technical features</b>                                 |  |                                       |                                       |   |                                       |
| Vehicle communication                                     | PWM (acc. IEC 61851) / ISO15118-2  |                                       |                                       |   |                                       |
| Socket Type 2 with shutter                                | -  |                                       |                                       |   | yes                                   |
| Human machine interface (HMI)                             | RGB LEDs, Buzzer, Web-App  |                                       |                                       |   |                                       |
| Authentication  | RFID, Plug&Charge (ISO15118), Autocharge   |                                       |                                       |   |                                       |
| Network interfaces  | LAN (RJ45) – 10 / 100 Base-TX<br>WiFi Client/Hotspot (simultaneously): 5GHz (802.11a, n, ac); 2.4GHz (802.11b, g, n)<br>LTE & GSM (Optional for BASIC) |                                       |                                       |   |                                       |
| Backend communication                                     | OCPP 1.6j (2.0.1 in development)   |                                       |                                       |   |                                       |
| Power meter   | Onboard  | MID-compliant power meter             |                                       | MID-compliant power meter and complete device compliant with German calibration law |                                       |
| Eichrecht compliant                                       | -  | -                                     |                                       | yes   |                                       |
| Integration in Home Energy Management System (HEMS)       | EEBUS, Modbus for external power meter   |                                       |                                       |   |                                       |
| Local Load Management                                     | Via WiFi, Ethernet   |                                       |                                       |   |                                       |
| <b>Mechanical specifications</b>                          |  |                                       |                                       |   |                                       |
| Dimensions (H x W x D) [mm]                               | 384 x 384 x 181  |                                       |                                       |   | 384 x 384 x 202                       |
| Weight (w/o cable) [kg]                                   | 3,15   | 3,57                                  |                                       | 3,99  |                                       |
| Cable length [m]  | 4,5 / 7  |                                       |                                       |   | -                                     |
| <b>Environmental and storage conditions</b>               |  |                                       |                                       |   |                                       |
| IP protection class                                       | IP55   |                                       |                                       |   |                                       |
| Mechanical impact protection                              | IK10   |                                       |                                       |   |                                       |
| Operating temperature [°C]                                | -30 to +45   |                                       | -25 to +45                            |   |                                       |
| Storage temperature [°C]                                  | -30 to +80   |                                       |                                       |   |                                       |
| Max. Altitude [m]   | ≤3.000   |                                       | ≤2.000                                |   |                                       |

**Applied standards:** IEC 61851-1, IEC/TS 61439-7, HD 60364-7-722, IEC 62955\*

\* The mechanical coupling required in IEC 62955 is implemented by an electrical coupling equivalent in safety level.

Only for ghostONE ERK variant: additionally German Measurement and Calibration Law (MessEG) and German Measurement and Calibration Regulation (MessEV)

V1.5 / Oct. 23 Subject to change without notice: All features, technical and other specifications are subject to change without notice.

WEEE registration number: 30058119

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