

AMTRON®

Compact 2.0s 11 C2

For charging electric vehicles in private areas



MENNEKES
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Equipment features

General

- Mode 3 charging (IEC 61851-1)
- Plugs and sockets according to IEC 62196-2
- Maximum charging power: 11 kW
- Connection: 1-phase / 3-phase
- Max. charging power configurable by qualified electrician
- Status information via LED information panel
- Sleep mode for reduced standby consumption (approx. 1 W)
- Permanently connected charging cable with type 2 (7.5 m)
- Integrated cable hanger
- Enclosure made of AMELAN

Authorisation options

- Autostart (without authorisation)
- RFID (ISO / IEC 14443 A)
Compatible with MIFARE classic and MIFARE DESFire

Options for local load management

- Reduction of the charging current using an external switching contact (downgrade input)
- Reduction of the charging current in case of uneven phase load (unbalanced load limitation)
- Solar charging via an upstream, external energy meter
- 1- /3-phase solar charging for charging powers from 1.4 - 11 kW
- Local blackout protection by an upstream, external energy meter

Options for connecting to an external energy management system (EMS)

- Via Modbus RTU

Integrated protective devices

- No integrated Residual Current Device
- No integrated circuit breaker
- DC residual current monitoring > 6 mA with tripping characteristics in accordance with IEC 62955
- Switching output for controlling an external shunt release, in order to disconnect the charging point voltage from the mains in case of a fault (welded load contact, welding detection)

NOTE:

For some advanced settings the configuration cable (Art. 18625) is required. For details see operating instructions.

Technical data

| AMTRON® Compact 2.0s 11 C2 | | 1321301205 |
|---|------------------|------------------------|
| Max. charging power Mode 3 [kW] | Charging point 1 | 11 |
| Connection | Charging point 1 | 1-phase / 3-phase |
| Rated current I_{nA} [A] | | 16 |
| Rated current of a Mode 3 I_{nC} charging point [A] | | 16 |
| Rated voltage U_N [V] AC $\pm 10\%$ | | 230 / 400 |
| Rated frequency f_N [Hz] | | 50 |
| Max. back-up fuse [A] | | 20 * |
| Rated insulation voltage U_i [V] | | 500 |
| Rated impulse withstand voltage U_{imp} [kV] | | 4 |
| Conditional rated short-circuit current I_{CC} [kA] | | 1,1 |
| Rated diversity factor RDF | | 1 |
| Types of system earthing | | TN/TT |
| EMC classification | | A+B |
| Protection class | | I |
| IP rating | | IP44 |
| Overvoltage category | | III |
| Mechanical impact protection | | IK10 |
| Contamination rating | | 3 |
| Installation | | open air, interior |
| Stationary / Mobile | | fixed |
| Use (according to IEC 61439-7) | | ACSEV |
| External design | | wall mounting |
| Dimensions H x W x D [mm] | | 360.5 x 206.9 x 145.6 |
| Weight [g] | | 6000 |
| Standard | | IEC 61851, IEC 61439-7 |

The specific standards according to which the product was tested can be found in the declaration of conformity for the product.

* For the design of the maximum back-up fuse, the regulations applicable at the installation site must be observed.

Technical data

Permissible ambient conditions

| | Min. | Max. |
|---|------|------|
| Ambient temperature [°C] | -30 | 50 |
| Average temperature over 24 hours period [°C] | | 35 |
| Altitude [m above sea level] | | 2000 |
| Relative humidity [%] | | 95 |

Technical data

Supply line terminal strip

| | | |
|--|--------|------|
| Number of terminals | 5 | |
| Conductor material | Copper | |
| | Min. | Max. |
| Clamping range - rigid [mm ²] | 0.2 | 10 |
| Clamping range - flexible [mm ²] | 0.2 | 10 |
| Clamping range with ferrule [mm ²] | 0.2 | 6 |
| Tightening torque [Nm] | 0.8 | 1.6 |

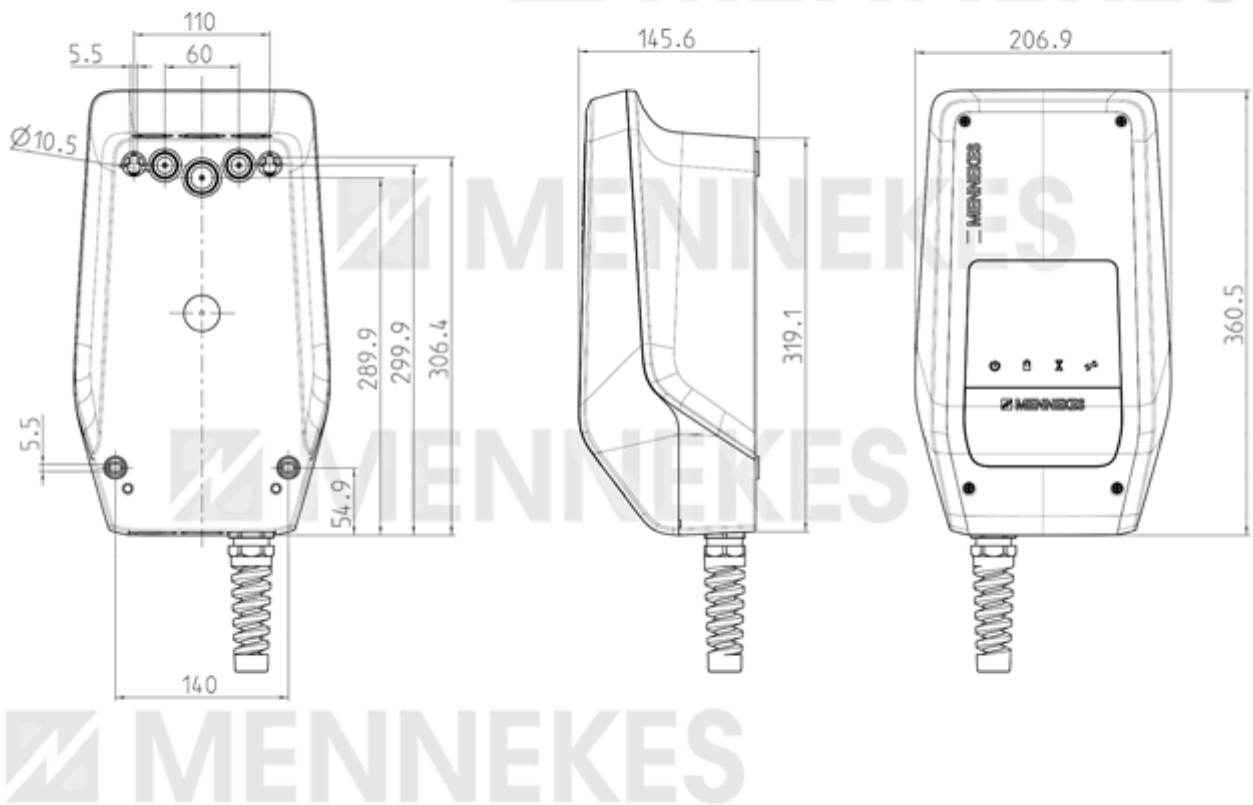
Downgrade input terminals

| | | |
|---|---------------------|------|
| Number of terminals | 2 | |
| Specification of the external switching contact | Potential-free (NC) | |
| | Min. | Max. |
| Clamping range - rigid [mm ²] | 0.5 | 4 |
| Clamping range - flexible [mm ²] | 0.5 | 4 |
| Clamping range with ferrule [mm ²] | 0.5 | 2.5 |
| Tightening torque [Nm] | - | - |

Switching output für shunt release terminals

| | | |
|--|------|------|
| Number of terminals | 2 | |
| Max. switching voltage [V] AC | 230 | |
| Max. switching voltage [V] DC | 24 | |
| Max. switching current [A] | 1 | |
| | Min. | Max. |
| Clamping range - rigid [mm ²] | 0.5 | 4 |
| Clamping range - flexible [mm ²] | 0.5 | 4 |
| Clamping range with ferrule [mm ²] | 0.5 | 2.5 |
| Tightening torque [Nm] | - | - |

Dimensional drawing



1 MB 673

Example

