

# AMTRON® 4You 560 11 C2

For charging electric vehicles in private areas



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# Equipment features

## General

- Mode 3 charging (IEC 61851-1)
- Plugs and sockets according to IEC 62196-2
- Prepared for ISO 15118
- Maximum charging power: 11 kW
- Connection: 1-phase / 3-phase
- Max. charging power configurable by qualified electrician
- Calibrated energy meter, readable from outside (MID-compliant for three-phase supply network connection only)
- LED status indicator
- Switching of charging modes via button on the wallbox
- Proximity sensor
- Bottom lighting
- Energy saving mode for reduced standby consumption
- Permanently connected charging cable with type 2 (7.5 m)
- Integrated cable hanger
- Interchangeable Front Cover
- Color: midnight black

## APP

- AMTRON® 4Drivers app for the end customer (available free of charge)
  - For authorization, control and visualization of charging processes
  - Display of the charged energy quantity and energy costs
  - Data export of all charging processes in PDF and CSV format
  - User and RFID management
- AMTRON® 4Installers app for the installer (available free of charge)
  - For easy installation of the charging station

## Authorisation options

- Autostart (without authorisation)
- AMTRON® 4Drivers App
- RFID (ISO / IEC 14443 A/B)  
Compatible with MIFARE classic and MIFARE DESFire
- Via a backend system

## Networking options

- Connection to a network via LAN / Ethernet (RJ45)
- Connection to a network via WLAN / WiFi

## Options for connecting to a backend system

- Via LAN / Ethernet (RJ45) and an external router
- Support for OCPP 1.6j communication protocols

## Options for local load management

- Reduction of the charging current using an external switching contact (downgrade input)
- Static load management
- Dynamic load management for up to 100 charging points
- 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 incl. dynamic phase switching
- Local blackout by connecting an external Modbus TCP energy meter

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

- Via Modbus TCP
- Via EEBus
- Dynamic control of the charging current via an OCPP system (smart charging)

## Integrated protective devices

- DC residual current monitoring > 6 mA in accordance with IEC 62955
- Residual current circuit breaker must be installed upstream
- Circuit breaker must be installed upstream
- Optional retrofittable type 2 surge protection
- 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)

# Technical data

| AMTRON® 4You 560 11 C2                                |                  | 1315011205BK           |
|-------------------------------------------------------|------------------|------------------------|
| 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]                                 |                  | 16                     |
| Rated insulation voltage $U_i$ [V]                    |                  | 500                    |
| Rated impulse withstand voltage $U_{imp}$ [kV]        |                  | 4                      |
| Conditional rated short-circuit current $I_{cc}$ [kA] |                  | 1.8                    |
| Rated diversity factor RDF                            |                  | 1                      |
| Types of system earthing                              |                  | TN/TT                  |
| EMC classification                                    |                  | A+B                    |
| Protection class                                      |                  | I                      |
| IP rating                                             |                  | IP54                   |
| Overvoltage category                                  |                  | III                    |
| Mechanical impact protection with Front Cover         |                  | IK10                   |
| Mechanical impact protection without Front Cover      |                  | IK8                    |
| 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]                             |                  | 402.2 x 226.3 x 168.2  |
| Weight [g]                                            |                  | 5300                   |
| 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.

# Technical data

## Permissible ambient conditions

|                                                    | Min. | Max. |
|----------------------------------------------------|------|------|
| Ambient temperature [°C] (without direct sunlight) | -30  | 50   |
| Average temperature over 24 hours period [°C]      |      | 35   |
| Altitude [m above sea level]                       |      | 2000 |
| Relative humidity [%]                              |      | 95   |

## Protective devices

|                   |                |
|-------------------|----------------|
| Control fuse (LS) | B-6A, 2p, 10kA |
|-------------------|----------------|

# Technical data

## Supply line terminal strip

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

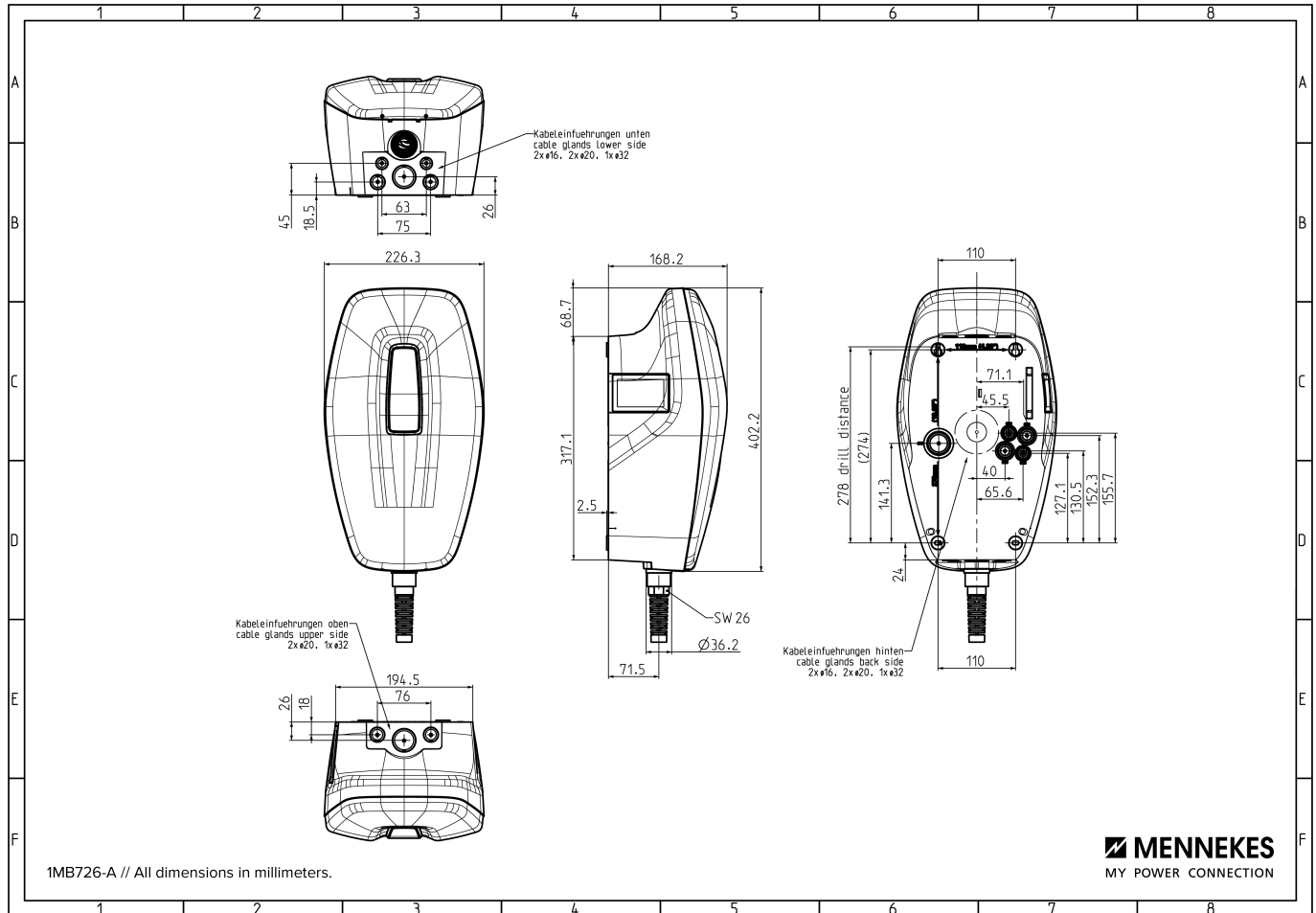
## Downgrade input terminals

|                                                 |                        |      |
|-------------------------------------------------|------------------------|------|
| Number of terminals                             | -                      |      |
| Specification of the external switching contact | Potential-free (NO/NC) |      |
|                                                 | Min.                   | Max. |
| Clamping range - rigid [mm <sup>2</sup> ]       | 0.5                    | 4    |
| Clamping range - flexible [mm <sup>2</sup> ]    | 0.5                    | 4    |
| Clamping range with ferrule [mm <sup>2</sup> ]  | 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 <sup>2</sup> ]      | 0.5  | 4    |
| Clamping range - flexible [mm <sup>2</sup> ]   | 0.5  | 4    |
| Clamping range with ferrule [mm <sup>2</sup> ] | 0.5  | 2.5  |
| Tightening torque [Nm]                         | -    | -    |

# Dimensional drawing



## Example

