

Commissioning Report

MENNEKES Charging Stations with MCU B

This commissioning report applies to the following MENNEKES products:

Products with an MCU B

- AMTRON® Compact 2.0
- AMTRON® Compact 2.0s
- AMTRON® Start 2.0s



Commissioning may only be performed by a qualified electrician.


Operating and installation manual

Notes on performing the individual steps and on safety, e.g. warning notices, are not described here, but can only be found in the operating and installation manual for the respective charging station.

	OK
The operating and installation manual, especially the chapters / sections related to safety, have been read and understood.	<input type="checkbox"/>

Configuration tool

The basic settings can be made via DIP switches at the charging station. The configuration tool is required for advanced settings.

 To use the configuration tool, the MENNEKES configuration lead is required. You can find the MENNEKES configuration lead on our website under “Products” > “Accessories” (order number 18625). You can also download the configuration tool and instruction manual there.

Charging station identification

Type (e. g. AMTRON® Compact 2.0): _____

Serial number: _____

Firmware version: _____

Short description (project name / project number / installation location (e.g. parking garage, floor F, parking space 117)):

1.1 Inspection of the charging station

	OK
Inspection of the charging station in accordance with IEC 60364-6 and the respective applicable national regulations (e.g. DIN VDE 0100-600 in Germany).	<input type="checkbox"/>

1.2 Firmware update (if necessary; configuration tool required)

Tasks	yes	no
Firmware update to vers. no. _____ completed. Requirements: ✓ The current Update file is available on your laptop / PC. You can download the Update file from our website http://www.chargeupyourday.com under "Service". ► Navigate to the "Firmware Update" menu in the configuration tool. ► Click the "Browse" button and select the saved Firmware file. ► Click the "Start update" button to start updating the firmware. It takes three minutes at the most to update the firmware. The progress is indicated during the firmware update. Once completed, the charging station is automatically restarted.	<input type="checkbox"/>	<input type="checkbox"/>

1.3 Commissioning

Tasks	OK
Charging power checked for back-up fuse and limited if necessary.	<input type="checkbox"/>
Residual current device and miniature circuit breaker switched on.	<input type="checkbox"/>
Maximum charging current set to [A] _____.	<input type="checkbox"/>
Initial inspection according to IEC 60364-6 and the applicable national regulations (e.g. DIN VDE 0100-600 in Germany) performed and documented.* ■ Residual current device tripping current [mA]: _____ ■ Residual current device switch-off time [ms]: _____ ■ Earthing resistance [Ω]: _____ ■ Mains configuration: _____ ■ Voltage measurement [V]: _____ ■ Rotating field direction: _____ ■ Continuity of the protective conductor: _____ ■ Loop impedance: _____	<input type="checkbox"/>
Function check and load simulation performed via the MENNEKES test box. ■ Status A (No vehicle connected) ■ Status B (Vehicle connected but not ready to charge) ■ Status C (Vehicle connected and ready to charge, ventilation not required) ■ Status D (Vehicle connected and ready to charge, ventilation required) ■ Status E (Error - short circuit between CP and PE)	<input type="checkbox"/>

* external test reports can be attached to this document.

1.4 Authorisation

Tasks	yes	no
Authorisation set. ■ With 2.0s variants: Authorisation through RFID ■ With 2.0 variants: Authorisation via the enable input	<input type="checkbox"/>	<input type="checkbox"/>

1.5 Unbalanced load limitation

Tasks	yes	no
Unbalanced load limitation configured. ■ Value changed (configuration tool required) to [A]: _____	<input type="checkbox"/>	<input type="checkbox"/>

1.6 Undervoltage / overvoltage detection (configuration tool required)

Tasks	yes	no
Undervoltage / overvoltage detection activated. ■ Number of connected phases: _____ ■ Phase sequence: _____	<input type="checkbox"/>	<input type="checkbox"/>

1.7 Load management configuration

Tasks	yes	no
Downgrade input configured. ■ Switching contact used: _____ ■ Value [percentage of max. charging current]: _____	<input type="checkbox"/>	<input type="checkbox"/>
Max. building connection amperage configured for local blackout protection. ■ Energy meter used: _____ ■ The energy meter measures: – the total consumption (standard setting) <input type="checkbox"/> – external consumers only (configuration tool required) <input type="checkbox"/> ■ Value [A]: _____	<input type="checkbox"/>	<input type="checkbox"/>
Connection to an energy management system (EMS) configured. ■ EMS used: _____	<input type="checkbox"/>	<input type="checkbox"/>

1.8 Solar charging (only with 2.0s variants)

Tasks	yes	no
<p>Solar charging configured.</p> <ul style="list-style-type: none"> ■ Energy meter used: _____ ■ The energy meter measures: <ul style="list-style-type: none"> – the total consumption (standard setting) <input type="checkbox"/> – external consumers only (configuration tool required) <input type="checkbox"/> ■ Minimum charging current in Sunshine+ mode: <ul style="list-style-type: none"> – changed (configuration tool required) to [A]: _____ ■ With 11 kW variant: <ul style="list-style-type: none"> – single-phase solar charging (standard setting) <input type="checkbox"/> – three-phase solar charging (configuration tool required) <input type="checkbox"/> – dynamic switchover between single-phase and three-phase solar charging (configuration tool required) <input type="checkbox"/> 	<input type="checkbox"/>	<input type="checkbox"/>

Commissioning performed (please complete)

Tasks	OK
Leave the construction site clean and tidy.	<input type="checkbox"/>
Customers were informed about the configurations made and these were explained to them / implemented (e.g. start charging process, test residual current device, explain load management).	<input type="checkbox"/>
Photos taken of the most important commissioning operations (e.g. electrical installation, location of the charging station)	<input type="checkbox"/>
No defects found. If defects / open points were found, write them down here: <hr/> <hr/> <hr/> <hr/>	<input type="checkbox"/>

Driving directionsDriving distance in
km: _____

Home location: _____

Working time, service

from _____ o'clock to _____ o'clock

For the customer (noted)

Name: _____

Date: _____

Signature / stamp: _____

For the installation company (activities were performed in accordance with this document)

Installation company: _____

Name: _____

Telephone number: _____

Email: _____

Date: _____

Signature / stamp: _____

Remarks