

Supplement to the operating and installation manual: Configuration of the TQ Energy Manager EM420 / KOSTAL Smart Energy Meter for connection to a MENNEKES charging station with MCU

About this document

This document describes the configurations required in the TQ Energy Manager EM420 / KOSTAL Smart Energy Meter to connect the energy meter to a MENNEKES charging station with MCU (AMTRON® Compact 2.0s, AMTRON® Start 2.0s).



This document is intended exclusively for the qualified electrician.

Configuration

For communication between charging station and energy meter via Modbus RTU, some settings are required in the web interface of the energy meter.

 Access to the web interface is described in the manual for the energy meter.


Depending on whether the charging station was connected to the RS485 A or RS485 B port of the energy meter, the settings must be made in the "Interface RS485 A" or "Interface RS485 B" menu:

Parameter	Required setting (energy meter web interface)
Enable interface	Activate
Presetting	User-defined
Mode	Slave
Slave address	2
Baud rate	57600
Data bits	8
Parity	None
Stop bits	2



Fig. 1: Screenshot Web Interface "Interface RS485 A"

DIP switch 6 (bank S1) in the charging station must also be set to "ON".

 See the operating and installation manual for the charging station.