Electric charging – safe and flexible

Controlled charging of electric vehicles according to IEC 61851-1/Mode 3

EV Charge Control
EV Charge Control: Electric charging – safe and flexible

Configurable and communicative: EV Charge Control simply adapted to your requirements. Whether for home use, in public standard charging stations or centrally-controlled satellite systems.

**EV Charge Control features:**
- All necessary control functions in one single device – no additional controller is necessary
- Easy configuration – directly at the device or via the integrated web server
- Adjustable charge current limiting, 6…80 A
- Parameterizable automatic rejection of charging cables with low current carrying capacity
- Optional locking confirmation and external enabling as switching requirement
- Automatic or manual locking as well as selection of DC motor or magnetic locking actuators
- Integration into charging infrastructures via Ethernet interface (Modbus/TCP)
- Charge process enabling, status requests and dynamic load management via remote access

**EM-CP-PP-ETH** Order No. 2902802
- Supply voltage: 110 … 240 V AC
- Ambient temperature: -25 °C … +60 °C
- 4 relay outputs
- 4 digital outputs/4 digital inputs

Charging of electric vehicles in charge modus 3 according to IEC 61851-1
Control and monitoring functions are defined for charging of electric vehicles in AC current networks using charge mode 3 in IEC 61851-1:
- Control Pilot evaluation and control
- Monitoring of the PE protective ground connection
- Evaluation of the proximity
- Control of the charge contactor and locking actuators

Electric charging according to the standard

**Example 1:**
Simple charging point with permanently connected cable
EV Charge Control switches loading contactors without additional auxiliary voltage.

**Example 2:**
EV Charge Control in conjunction with a central controller
EV Charge Control locks the DC motor without an additional reversing load relay.

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