

USER MANUAL

CHARGING CONNECTOR



Type 2 to Schuko 16A

Charging connector is designed to enable charging electric devices (electric bicycles, scooters, etc) with normal Schuko (Type F) 16A plugs from EV charging stations with Type 2 (IEC 62196) sockets. It sends signals "car connected" and "car ready to charge" to the charging station thus enabling charging from connector's Schuko outlet.

GET STARTED

1. Plug charging connector to charging station Type 2 socket.
2. Turn-on Switch (A) (see picture above) => charging station gets the message "car connected" and locks the connector (if it features plug lock function).
3. Turn-on Switch (B) (see picture above) => immediately after switching on switch (B), charging station gets the message "car ready to charge".
4. Then charging station energizes its relays/contactors and you have voltage/power on connector's Schuko outlet.

When you want to stop charging, use the opposite procedure; first turn-off second switch (B) and then first one (A). This will de-energize the connector, unlock the connector at charging station socket and let you pull out the connector.

Some stations do not require this procedure to be followed, they start charging when you plug in the connector with both switches at "ON" position.

TECHNICAL SPECIFICATIONS

Maximum continuous current [A]	16
Ingress protection (IP) rating	44 (moisture proof)
Operating Ambient Air Temperature Range [C°]	from -40 to +50
UV resistance	YES
Schuko socket overtemperature protection	YES
Dimensions (Φ max / Length)	58 mm / 184 mm
Weight	215 g

Schuko socket overtemperature protection function description:

The connector has built-in a very high quality Schuko socket that won't overheat at continuous current of 16A. But if Schuko plug that is inserted in connector's Schuko socket is bad quality it can dissipate a lot of heat. This heat is then detected by connector's temperature sensor and if/when it exceeds allowed temperature the connector sends a signal to the charging station to disconnect power. When it cools down the connector automatically sends a signal to the charging station to apply power back. This process can repeat endlessly.

Connector does not function with charging stations that have charging cable Type 2 attached.



Never draw more than 16A from the charging connector!

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