



### Type 2 to Schuko 16A

Charging connector AC01 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 ( $\Phi$ max / Length )	58 mm / 184 mm
Weight	215 g

Schuko socket overtemperature protection function description:

AC01 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!

## WARRANTY

METRON warrants its product to the original consumer purchaser that it will repair, or replace, any product that is determined to be defective for the following terms: **Two (2) years from date of purchase on all components.**

To be eligible for repair or replacement under this warranty, the product in question must be sent back to METRON within the warranty period and the original consumer purchaser must comply with the following conditions:

- The product thereof must not have been modified or altered in any way by an unauthorized source.
- The product thereof must have been used in accordance with the user manual.

This limited warranty does not cover:

- Damage due to improper use;
- Accidental or intentional damage;
- Misuse, abuse, corrosion, or neglect;
- Product impaired by severe natural conditions, such as excessive hail storms, lightning strikes, tornados, flooding, ice or other natural occurrences;
- Damage due to improper packaging on return shipment.

Any and all labor charges for troubleshooting, removal or replacement of the product are not covered by this warranty and will not be honored by METRON.

All shipping costs regarding repair or replacement of the product is to be pre-paid by the original consumer purchaser.