

Installers, no electric vehicle on hand? We have the tool for you

Secure your charging station infrastructure without electric vehicle!

Make sure that the charging station is ready to charge and properly installed easily. Installers and Schneider Electric services can check power supplied and connections during commissioning and maintenance thanks to the **EVlink FS simulation tool**. Such tests are essential to the safety of electrical installation, the security of final users.



With this simulation tool you can do the following checks

- Checking the power supplied by the charging station
 - This is impossible without EVs or a simulation tool: the contactor will not be switched on.
- Alert in case of neutral absence or phase-neutral inversion
 - Such inversion could damage the EV electric circuit!
- Ensure safety of life and electric installation.
 - Control the RCD trip protecting the checked socket and its wiring
 - Check the earth ground continuity between the charging station and the EV in case of earth circuit break.



Advantages

- Availability to test every charging station compliant with IEC61851-1
- The simulation tool is easy to carry, and permits the simulation of the EV presence in mode 3 and mode 3S compliant to IEC61851 standard
- Same tool for **One phase** and **Three phases** (inlets type 1 and type 2)

Ensure safety of the electric installation, users and electric vehicles!

The electric vehicle simulation tool

Without the simulation tool, there is no way to check the proper operating of the station, that is why Schneider Electric is committed to supply an reliable and easy-to-use tool to meet safety requirements.



The simulation tool allows advanced checks

- When using charging cables:
 - Check the plug resistance of the client's charging cable on the EV side with an additional Ohmmeter, or ensure the operation of the charging station with a SE charging cable.
 - Avoid customers complaints on non-SE charging cables causing charge problems and slower charge
- The simulation tool allows for **greater expertise** (with an oscilloscope):
Test EV states via the Control Pilot wire (according to IEC-61851 standard). Wrong EV status may be the cause of the operating charge failure

Technical characteristics

Declaration EC conformity: IEC61010-1 and IEC61851-1
IP54 and IK8 (IP44 in use)
Operating temperature: -30°C to 50°C*
Weight: 6 kg

Mode 3 and Mode 3 Simplified

Mode 3 permits communication between EV and charging station. According the IEC61851-1, the Mode 3 process is:

- EV state A: EV not connected to charging station
- EV state B: EV connected to charging station
- EV state C: EV charging

The Mode 3 simplified (or Mode 3S) process is:

- EV state A: EV not connected to charging station
- EV state C: EV charging (with 13amp)

There is no state B for the Mode 3S the charge is launched directly when the EV's connected. It's only for some Electric Vehicles.

> Integrated accessories and documentation

- User guide
 - Instruction sheet
 - Coaxial connector BNC adapter leads
- Shock resistant (up to one meter) Dimension LxWxD(mm): 305x270x170
- No limit of autonomy: energized by tested EVlink station with low power (<1A)
- Plastified instruction sheet under the lid
T1 inlet and T2 inlet (use one by test)

> Needed additional equipment

- Charging cable
- Ohmmeter

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