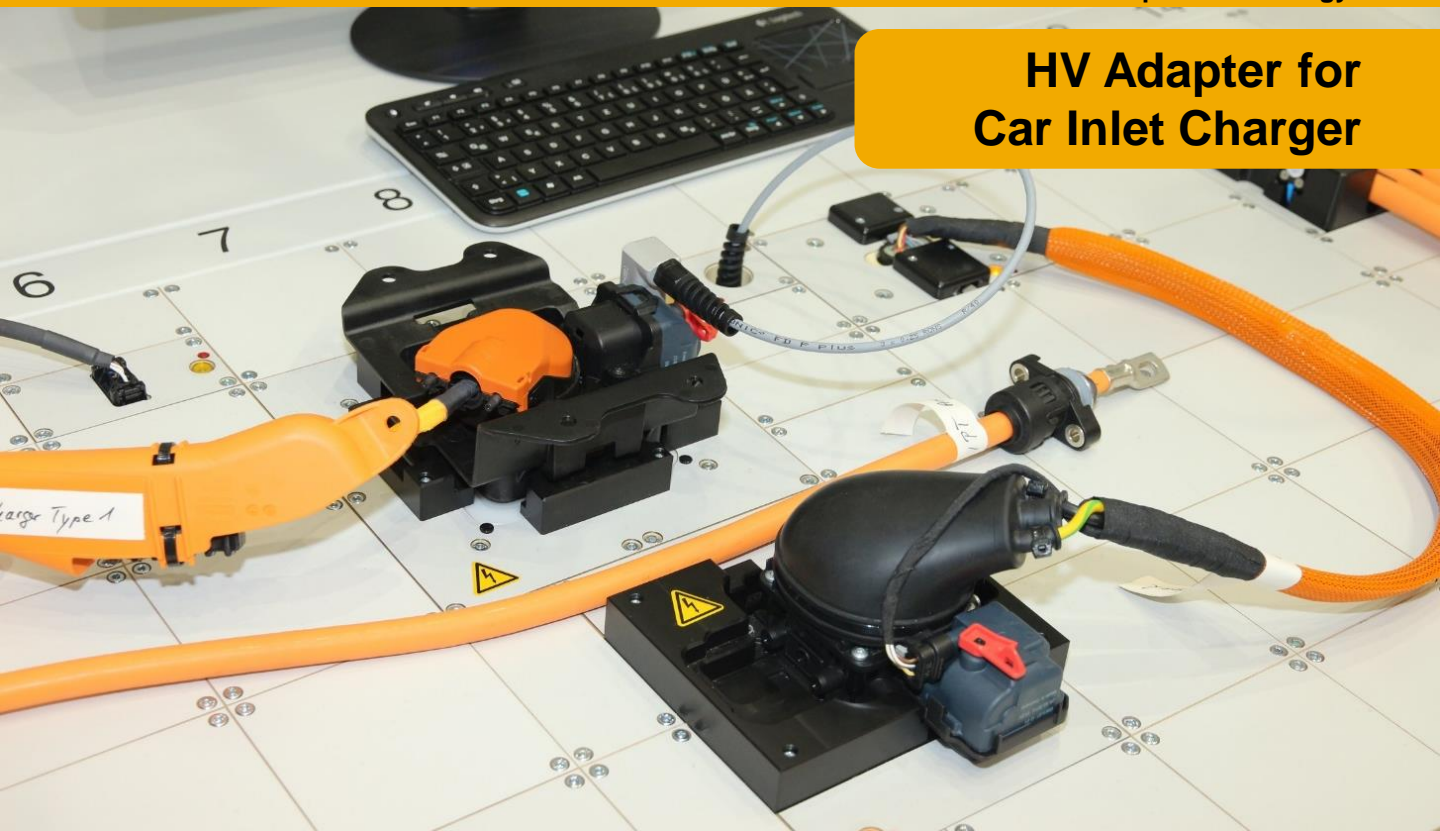


HV Adapter for Car Inlet Charger

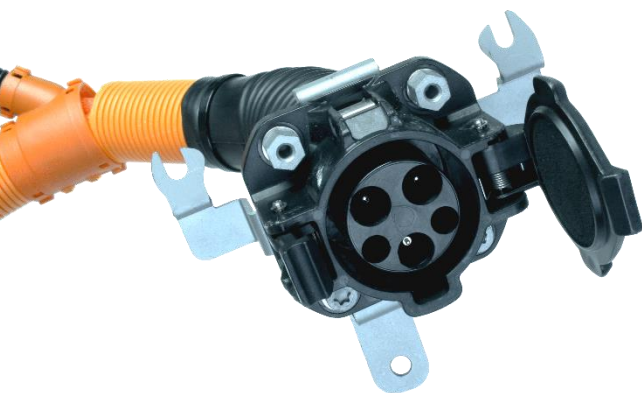


Electrical contacting and presence detection

The adapters take care for the wear-free electrical contacting of the connector contacts.

At the same time also the presence of so called finger protection caps at the power contacts is detected.

The adapters are designed for the high voltage tests of 1900 VAC / 2700 VDC or 4150 VAC / 5900 VDC required in the field of e-mobility.



Function tests in the adapter with "Adapter Control"

Under the topic "Adapter Control" adaptronic has created a set of assembly units for the optimal realization of function tests. The assembly units are designed for the direct electrical and mechanical integration into the adapter. The adapters are working "self-reliant" and can be used in different test systems.

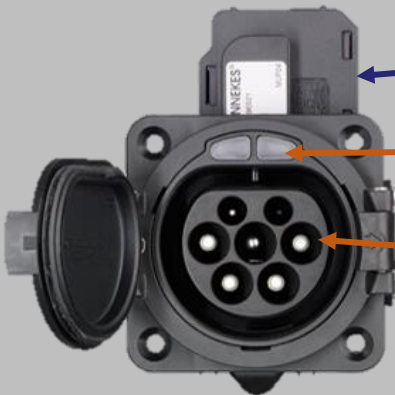
Typical function tests

- ▶ Stimulation and function test of the motor driven charging connector locking device
- ▶ Stimulation and function test of the multi-color LED displays

Optical tests

In addition to the function tests optical detections of manual locking levers and cable outlets are realized with vision sensors.

Car Inlet Charger Type 2



Actuator for charging connector locking device

Multicolor LED displays

Finger protection cap



Manual locking lever

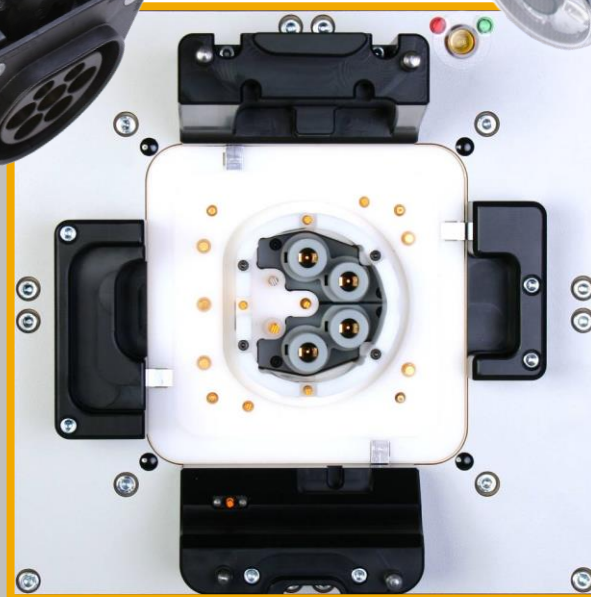
Adapter for Car Inlet Charger Type 2



UUT



Vision sensor for detection of the locking lever



Adapter

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