

One device – two charging standards

Insulation monitoring for DC charging stations

ISOMETER® isoCHA425HV-D4-4 +AGH420-1

- Switchable between CCS (Combined Charging System) and CHAdeMO
- Nominal voltages up to DC 1000 V
- Detection of symmetrical and unsymmetrical insulation faults
- Galvanically isolated Modbus RTU interface
- Display of the fault location (DC+/DC-/symmetrical)





Bender infrastructure sensors for DC charging:

- Proven, active measurement method for determining the insulation resistance
- Patented measurement method
- Monitoring of the entire DC charging system including the electric vehicle
- Standard-compliant use in DC charging stations (CCS and CHAdeMO) acc. to IEC 61851-23 and IEC 61557-8



isoCHA425HV-D4-4 +AGH420-1:

- Measurement of the system leakage capacitance
- Measurement of the nominal system voltage with undervoltage and overvoltage detection
- Two separately adjustable response value ranges of 5...600 k Ω (Alarm 1, Alarm 2)
- Alarm output via LEDs, display and alarm relays



Bender eMobility solutions:

Standard-compliant solutions from the charging station to the electric vehicle

- Vehicle sensors (insulation monitoring)
- Charging technology/charge controllers
- Infrastructure sensors for AC and DC charging

