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**Charging cable for the socket for charging electric vehicles**

Thanks to the In Cable Control and Protection Device (IC-CPD) according to Mode 2, Phoenix Contact is launching a charging cable onto the market which enables electric vehicles to be charged at a conventional household socket and en route.

The charging power of up to 3 kW enables full charging of an 18 kilowatt battery within six hours. As such, the charging cable makes electric vehicles less dependent on special charging infrastructure and improves the level of everyday use of environmentally friendly vehicles.

On the vehicle side, type 1 and type 2 plugs are available for use in Europe. Both versions are available on the infrastructure side with Schuko or UK 3 pin plugs. The integrated electronics module fulfils the IP67 protection class and resists temperatures from -32°C up to +40°C. Furthermore, the charging system automatically detects wiring faults and restarts the charging process independently in the event of a power failure. If required, users can reduce the maximum charging current from 13 A to 10, 8 or 6 A, in order not to overload already over utilised power grids.

Ends

June 2014

**PR4640GB**

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