EV-GBM4C-DC125A-6,5M50ESBK00 - DC charging cable

1627546

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CHARX connect, GB/T, cable: 6.5 m, GB/T 20234.3-2015, DC charging cable with Vehicle Connector, open cable end, with protective cap, NOTE: Cable management may be required.

Product description

DC charging cable with vehicle charging connector and free cable end for fast charging of electric vehicles (EV) with direct current (DC) via GB/T vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

Your advantages

- Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- Silver-plated surface of the power and signal contacts
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components
- Integrated temperature sensors for monitoring the temperature at the power contacts
- Integrated interlock during charging

Commercial data

Item number	1627546
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAAG
GTIN	4055626323206
Weight per piece (including packing)	31.4 kg
Weight per piece (excluding packing)	30.9 kg
Customs tariff number	85444290
Country of origin	DE

Technical data

Notes

General	NOTE: Cable management may be required.
General	Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1).

Product properties

Product type	DC charging cable
Product family	CHARX connect
Charging standard	GB/T
Charging mode	Mode 4

Electrical properties

Charging power and current (DC charging)

Type of charging current	DC
Charging current	125 A DC
Charging power	125 kW
Rated voltage	1000 V

Temperature sensors (Pt 1000)

Sensor type	Pt 1000
Standards/regulations	DIN EN 60751
Attachment point	Sensor for the DC contacts
Switch-off temperature	90 °C ±1 K (equivalent to a Pt 1000 value of 1346.5 Ω)
Long-term stability	0.06 % (after 1000 hours at 130 °C)
Recommended measured current	1 mA (1 V at 0°C)
Coefficient	3850 ppm/K
Ambient temperature	-50 °C ... 130 °C (Operation)

Cable/line

Cable length	6.5 m
Stripping length of the sheath	500 mm ±20 mm
Stripping length	500 mm ±20 mm

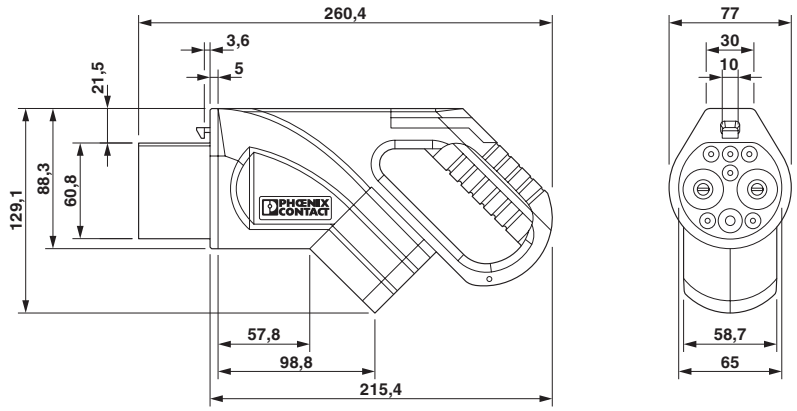
Standards and regulations

Standards

Standards/regulations	GB/T 20234.3-2015

Drawings

Dimensional drawing



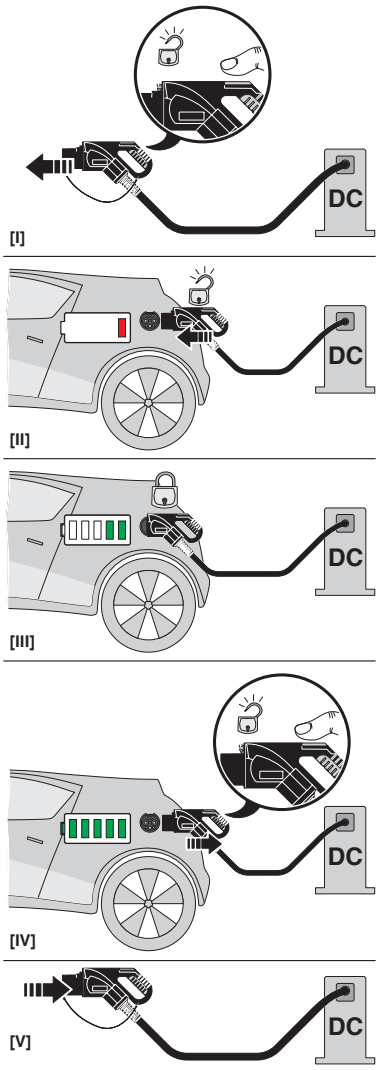
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

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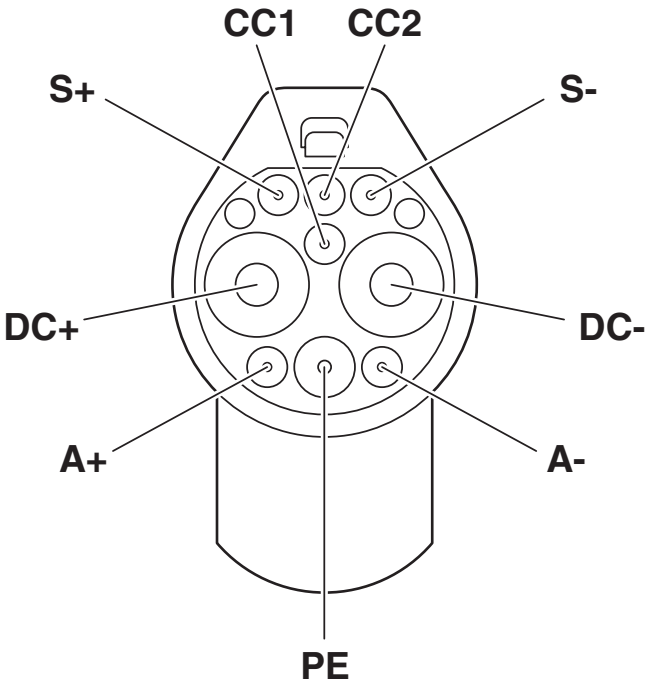
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Schematic diagram



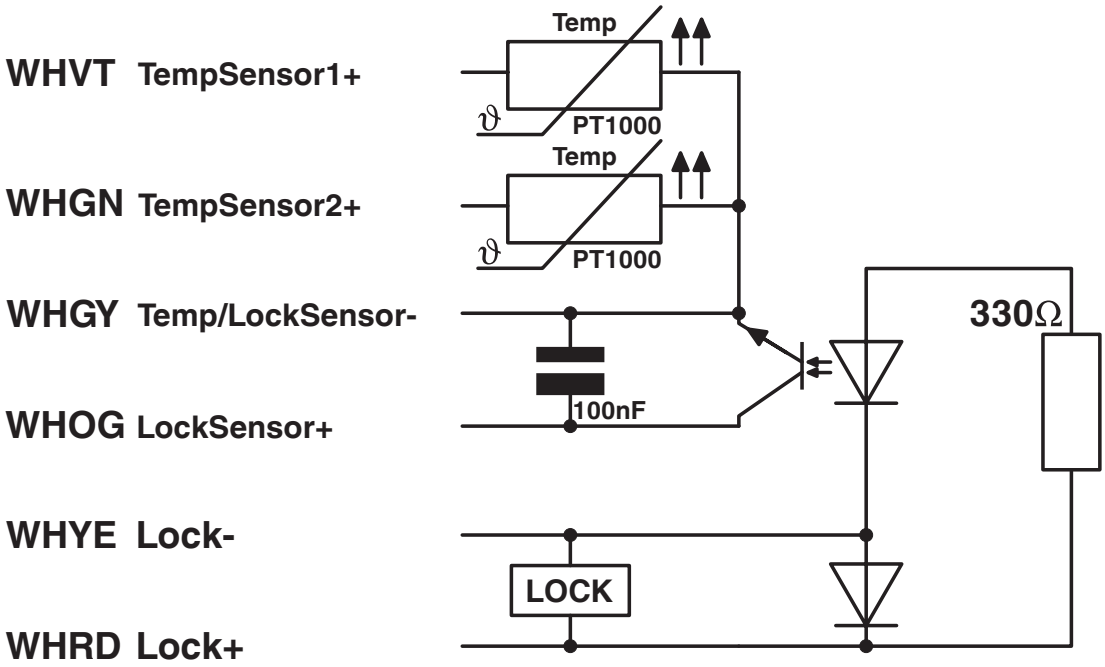
Operating instructions

Schematic diagram



Pin assignment of the Vehicle Connector

Block diagram



Block diagram GB/T DC

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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