

# EV-GBM4C-DC125A-8,0M50ESBK00 - DC charging cable



1627708

<https://www.phoenixcontact.com/us/products/1627708>

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CHARX connect, GB/T, cable: 8 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
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Convenient handling, thanks to the ergonomic handle and additional, rubber grip components
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Integrated temperature sensors for monitoring the temperature at the power contacts
- Integrated interlock during charging

## Commercial data

Item number	1627708
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	EM01
Product key	XWBAAG
GTIN	4055626351209
Customs tariff number	85444290
Country of origin	DE

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## 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	8 m
Stripping length of the sheath	300 mm ±20 mm
Stripping length	300 mm ±20 mm

### Standards and regulations

#### Standards

Standards/regulations	GB/T 20234.3-2015
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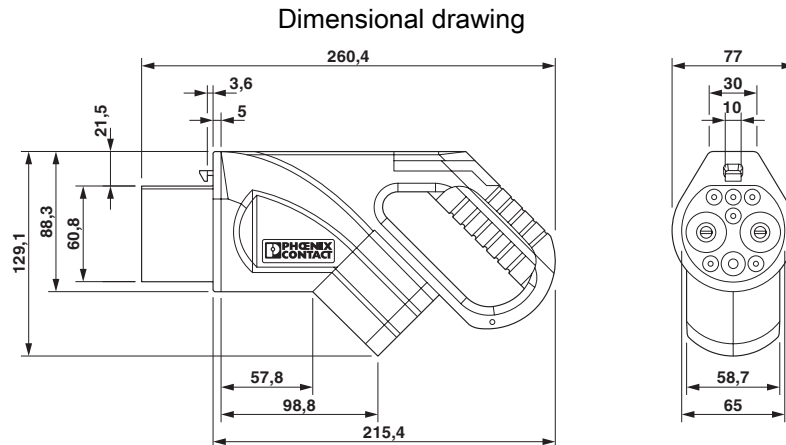
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## Drawings



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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## Schematic diagram



Operating instructions

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Pin assignment of the Vehicle Connector

Block diagram



Block diagram GB/T DC

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## 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.
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### EU REACH SVHC

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