

# EV-GBM4C-DC75A-15,0M16ESBK00 - DC charging cable



1627500  
<https://www.phoenixcontact.com/us/products/1627500>

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CHARX connect, DC charging cable with Vehicle Connector, open cable end, with protective cap, GB/T, GB/T 20234.3-2015, cable: 15 m, 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	1627500
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAAG
GTIN	4055626320649
Weight per piece (including packing)	22.2 g
Weight per piece (excluding packing)	22.2 g
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
Application	DC charging cable with Vehicle Connector, open cable end, with protective cap
Charging standard	GB/T
Charging mode	Mode 4

### Electrical properties

#### 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 $\pm$ 1 K (equivalent to a Pt 1000 value of 1346.5 $\Omega$ )
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	15 m
Stripping length of the sheath	130 mm $\pm$ 20 mm
Stripping length	130 mm $\pm$ 20 mm

### Standards and regulations

#### Standards

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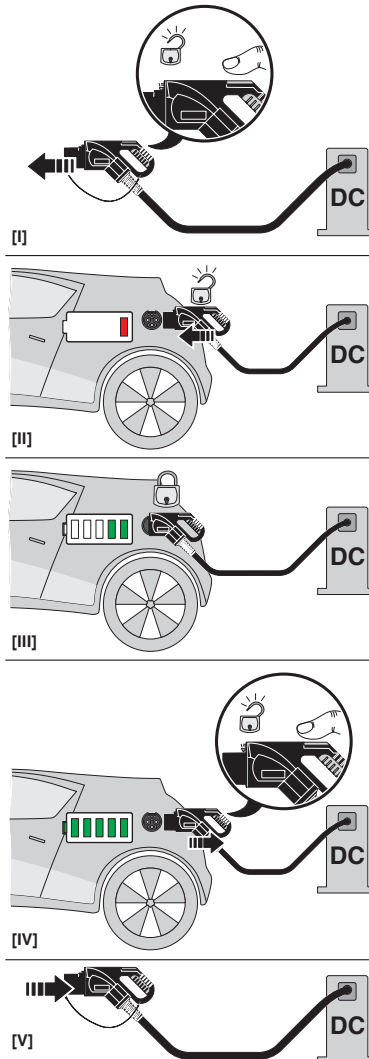
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## Drawings

Schematic diagram



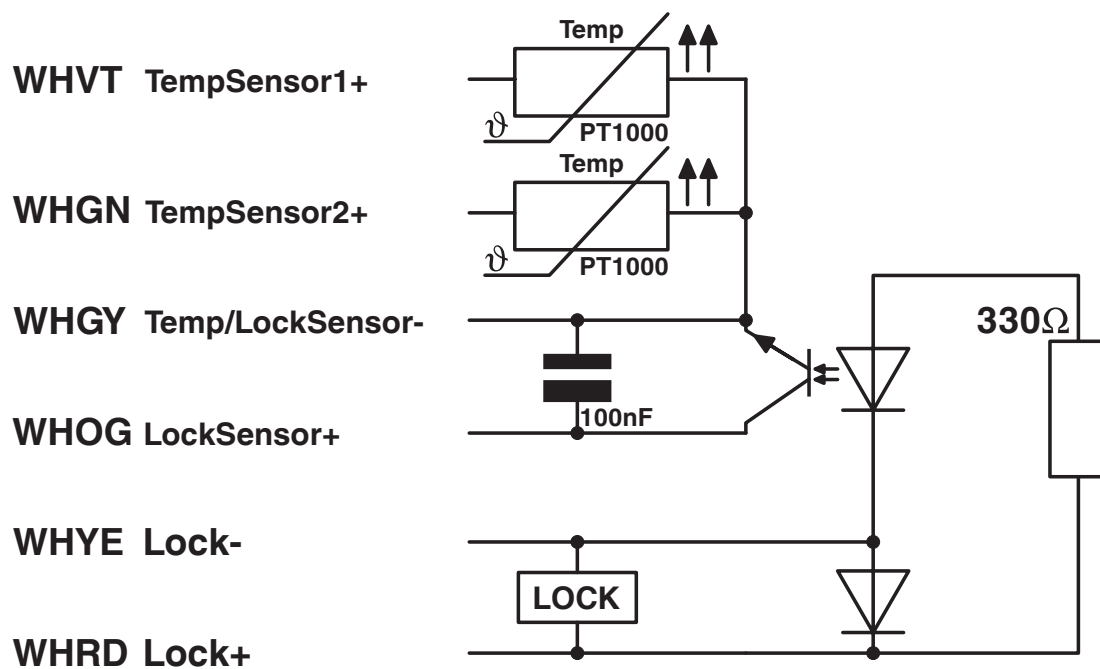
Operating instructions

# EV-GBM4C-DC75A-15,0M16ESBK00 - DC charging cable

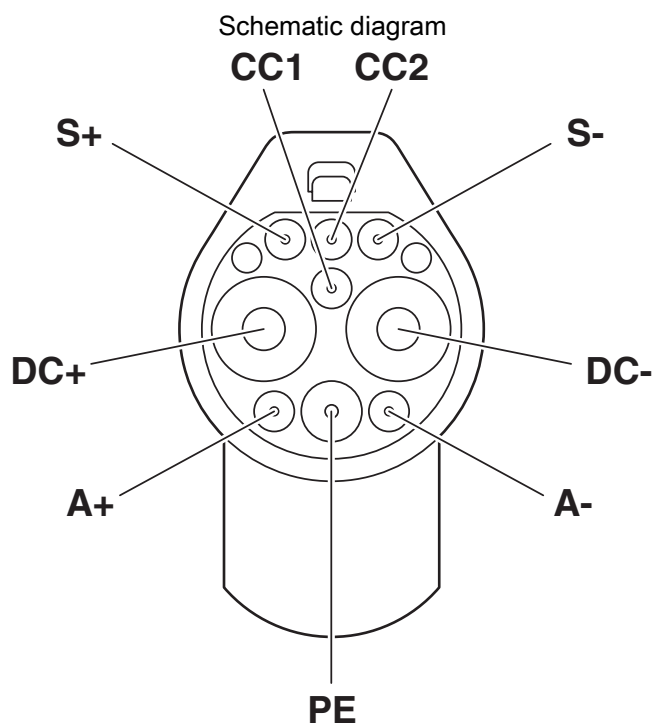
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Block diagram



Block diagram GB/T DC



Pin assignment of the Vehicle Connector

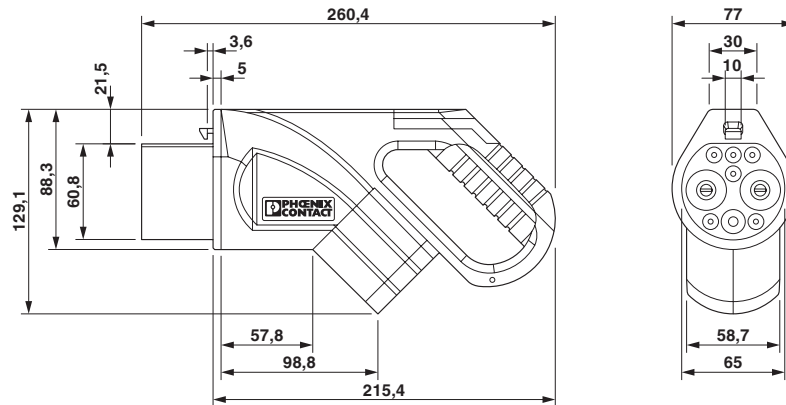
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Dimensional drawing



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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## Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-10</div> <div>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.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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## Accessories

### EV-GBDC-PARK-R - Charging connector holder

1623496

<https://www.phoenixcontact.com/us/products/1623496>



CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, housing: black

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### EV-GBDC-PARK-SW - Charging connector holder

1623497

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, Park position with pushbutton (N/C contact) to detect the plug state., housing: black

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## EV-GBDC-PARK - Charging connector holder

1623770

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CHARX connect, Charging connector holder, Accessories, for vehicle charging connectors on charging stations (EVSE), GB/T, GB/T 20234.3, Front mounting, housing: black

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