

DC charging cable - EV-GBM4C-DC125A-3,5M50ESBK00



1627317

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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, 125 A / 750 V (DC), cable: 3.5 m, Special cable stripping (0.5 m)

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)

Commercial Data

Item number	1627317
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	A17
Product Key	XWBAAG
GTIN	4055626301471
Weight per Piece (including packing)	6.62 kg
Weight per Piece (excluding packing)	6.501 kg
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Notes

Order information:	Special cable stripping (0.5 m)
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Product properties

Product type	DC charging cable
Application	DC charging cable with Vehicle Connector, open cable end, with protective cap
Charging standard	GB/T
Charging mode	Mode 4

Electrical properties

Type of signal transmission	CAN in accordance with IEC 61851-24 Annex B
Note on the connection method	Crimp connection, cannot be disconnected
Coding	1000 Ω (between PE and CC1 / PE and CC2)
Temperature monitoring	2x Pt 1000
Type of charging current	DC
Charging power	125 kW
Charging current	125 A

Power contact

Number	3 (PE, DC+, DC-)
Rated voltage	750 V DC
Rated current	125 A

Signal contact

Number	6 (S+, S-, A+, A-, CC1, CC2)
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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 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)

Material specifications

Housing material	Plastic
Material of grip body	Soft plastic
Material protective cap	Plastic
Actuating lever material	Metal
Material mating face	Plastic

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Material surface of contacts	Ag
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Design

Design	Standard
Color Housing	black
Color Connection profile	gray
Color Handle area	gray
Color Actuation element	gray
Color Protective cap	black

Cable / line

Cable length	3.5 m
Conductor type	straight
Conductor structure	2 x 50 mm ² + 1 x 16 mm ² + 2 x 2.5 mm ² + 9 x 0.5 mm ²
Cable type	Class 6
External cable diameter	28 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black
Stripping length of the sheath	500 mm ±20 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 100 N
Withdrawal force	< 100 N

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

Standards and regulations

Standards

Standards/regulations	GB/T 20234.3-2015
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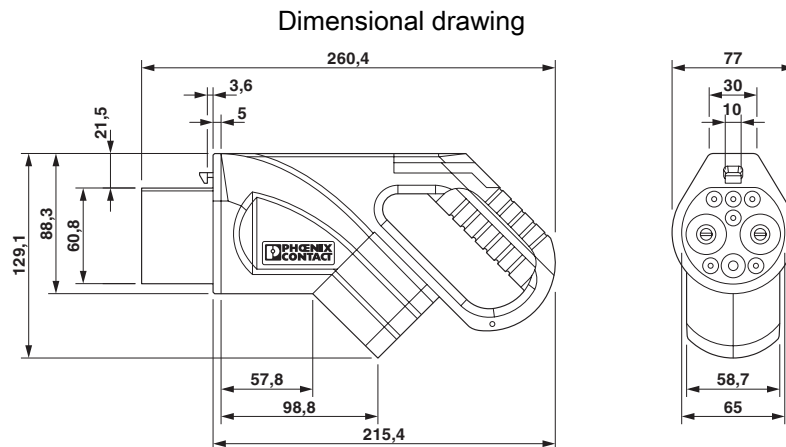
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Drawings



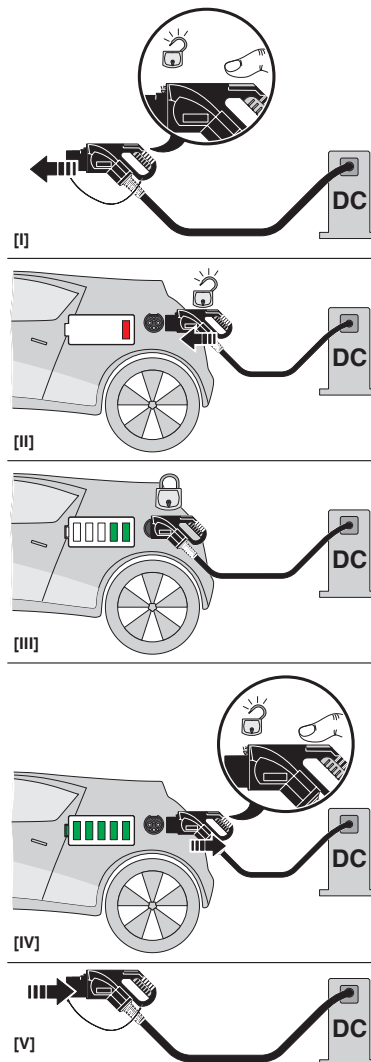
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging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

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Schematic diagram

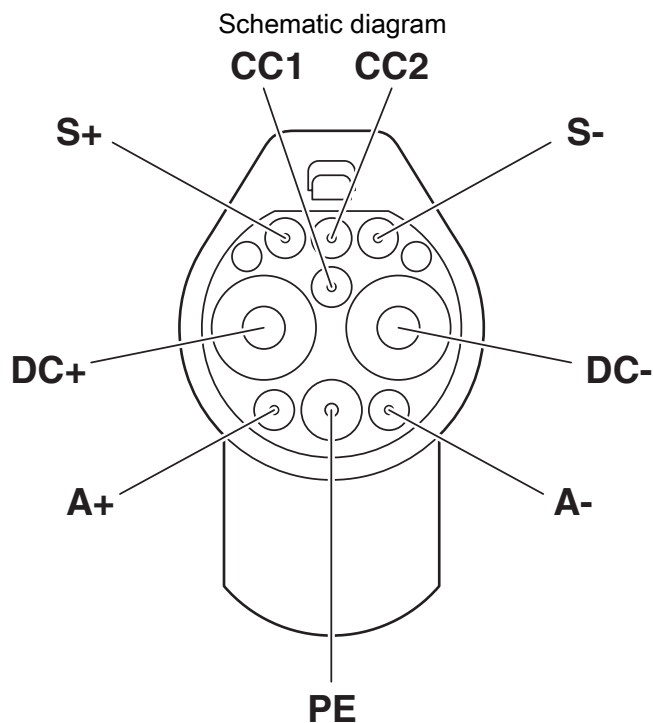


Operating instructions

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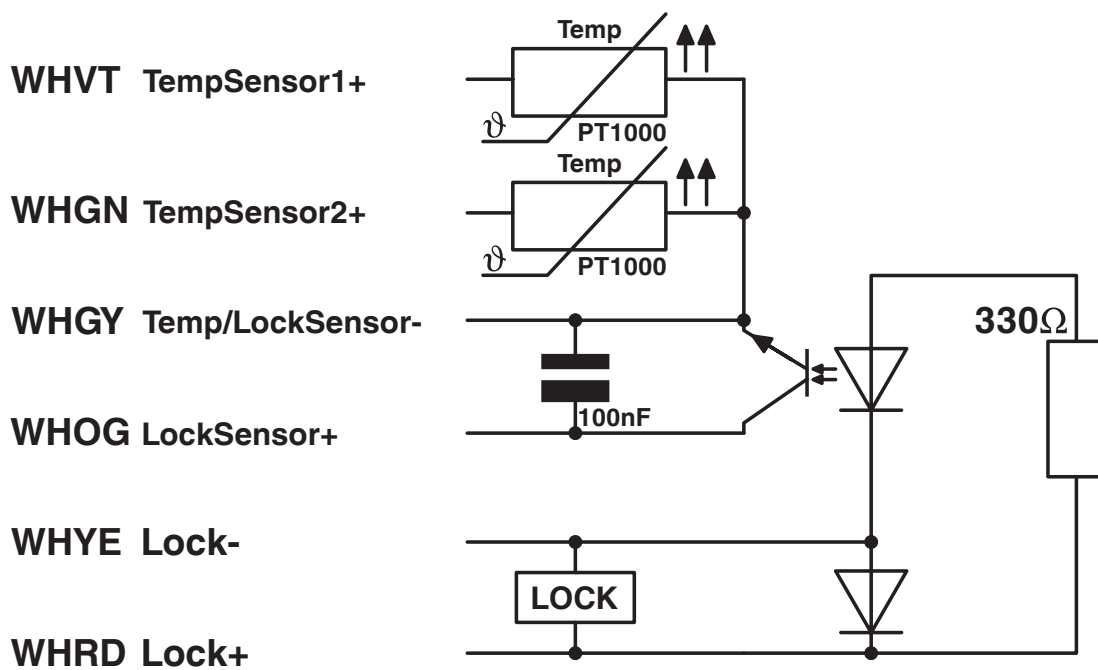
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Pin assignment of the Vehicle Connector

Block diagram



Block diagram GB/T DC

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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Charging connector holder

Charging connector holder - EV-GBDC-PARK-R - 1623496

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

Charging connector holder

Charging connector holder - EV-GBDC-PARK-SW - 1623497

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Charging connector holder

Charging connector holder - EV-GBDC-PARK - 1623770

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

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