

## DC charging cable - EV-T2M4CC-DC125A-5,0M50ESBK00 - 1409060

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DC charging cable with Vehicle Connector and open cable end, CCS type 2, Combined Charging System, IEC 62196-3, 125 A / 850 V (DC), Cable data: 5 m, black, straight

### Product Description

DC charging cable, with Vehicle Connector and open cable end for fast charging electric vehicles with direct current (DC) via a CCS type 2 Vehicle Inlet, for installation at charging stations (EVSE)



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 860581
Weight per Piece (excluding packing)	8580.0 g
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Conductor length	5 m
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#### General

Product type	DC charging cable with Vehicle Connector and open cable end
Standards/regulations	IEC 62196-3
Charging standard	CCS type 2
	Combined Charging System
Charging mode	Mode 4

#### Technical properties

Charging power	106 kVA
Rated current for power contacts	125 A
Rated voltage for power contacts	850 V DC
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC

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## Technical data

### Technical properties

Type of signal transmission	Pulse width modulation
Temperature monitoring	2x Pt 1000
Number of power contacts	3 (PE, DC+, DC-)
Number of signal contacts	2 (CP, PP)
Connection method	Crimp connection, cannot be separated
Contact material	Cu
Contact surface material	Ag
Resistor coding	1500 $\Omega$ (between PE and PP)
Insertion force	< 100 N
Withdrawal force	< 100 N
Insertion/withdrawal cycles	> 10000
Ambient temperature (operation)	-30 °C ... 50 °C (Operation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C (Storage)
Altitude difference for area of application	5000 m (above sea level)
Degree of protection	IP44 (plugged in)
	IP20 (not plugged in, IP24 should be ensured by the charging station)
Label	14.1 mm x 44.8 mm (customer logo possible)

### Cable

Cable structure	2 x 50 mm <sup>2</sup> + 1 x 25 mm <sup>2</sup> + 3 x 2 x 0.75 mm <sup>2</sup> (EN 60228 class 6)
External cable diameter	28.2 mm $\pm$ 0.2 mm
Type of conductor	straight
Outer sheath, material	HFFR
External sheath, color	black
Minimum bending radius	140 mm (5 x diameter)

### Temperature monitoring

Type of sensor	Pt 1000
Standards/regulations	DIN EN 60751
Recommended measured current	1 mA (1 V at 0°C)
Tolerance at the sensor with the recommended measured current	# 1K
Temperature range	-50 °C ... 130 °C
Temperature coefficient (TCR)	3850 ppm/K
Long-term stability (max. R0-Drift)	0.06 % (After 1000 hours at 130°C)

## Classifications

### eCI@ss

eCI@ss 4.0	272607xx
eCI@ss 4.1	27260701
eCI@ss 5.0	27260701
eCI@ss 5.1	27260701

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### Classifications

#### eCl@ss

eCl@ss 6.0	27279220
eCl@ss 7.0	27061801
eCl@ss 8.0	27440590

#### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002839

#### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

### Approvals

#### Approvals


##### Approvals

VDE Zeichengenehmigung

##### Ex Approvals

##### Approvals submitted

### Approval details

VDE Zeichengenehmigung 	
Nominal current I <sub>N</sub>	125 A
Nominal voltage U <sub>N</sub>	850 V

### Accessories

#### Accessories

#### Mounting material

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### Accessories

Holder - EV-T2MBI-PARK - 1621667



Park position for charging stations as bracket for Vehicle Connector, CCS type 2, IEC 62196-3

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### Vehicle inlet

Test accessories - EV-T2MBIE24-1ACDC-INFRA - 1410506



Special Vehicle Inlet for charging station tests, CCS type 2, IEC 62196-3, 125 A / 850 V (DC), Single wires, Length: 2 m

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Test accessories - EV-T2MBIE12-1ACDC-INFRA - 1622038



Special Vehicle Inlet for charging station tests, CCS type 2, IEC 62196-3, 125 A / 850 V (DC), Single wires, Length: 2 m

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Test accessories - EV-T2MBIE24-1ACDC-INFRA6,0 - 1623322



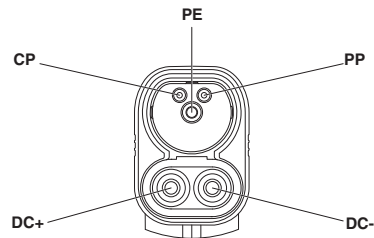
Special Vehicle Inlet for charging station tests, CCS type 2, IEC 62196-3, 125 A / 850 V (DC), Single wires, Length: 6 m

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### Drawings

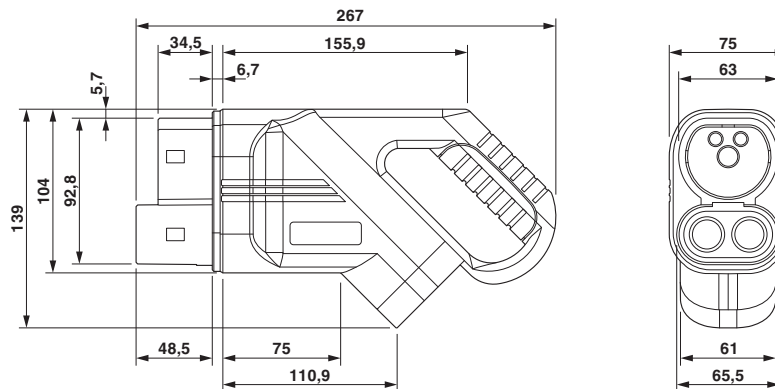
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Schematic diagram



Pin assignment of the Vehicle Connector

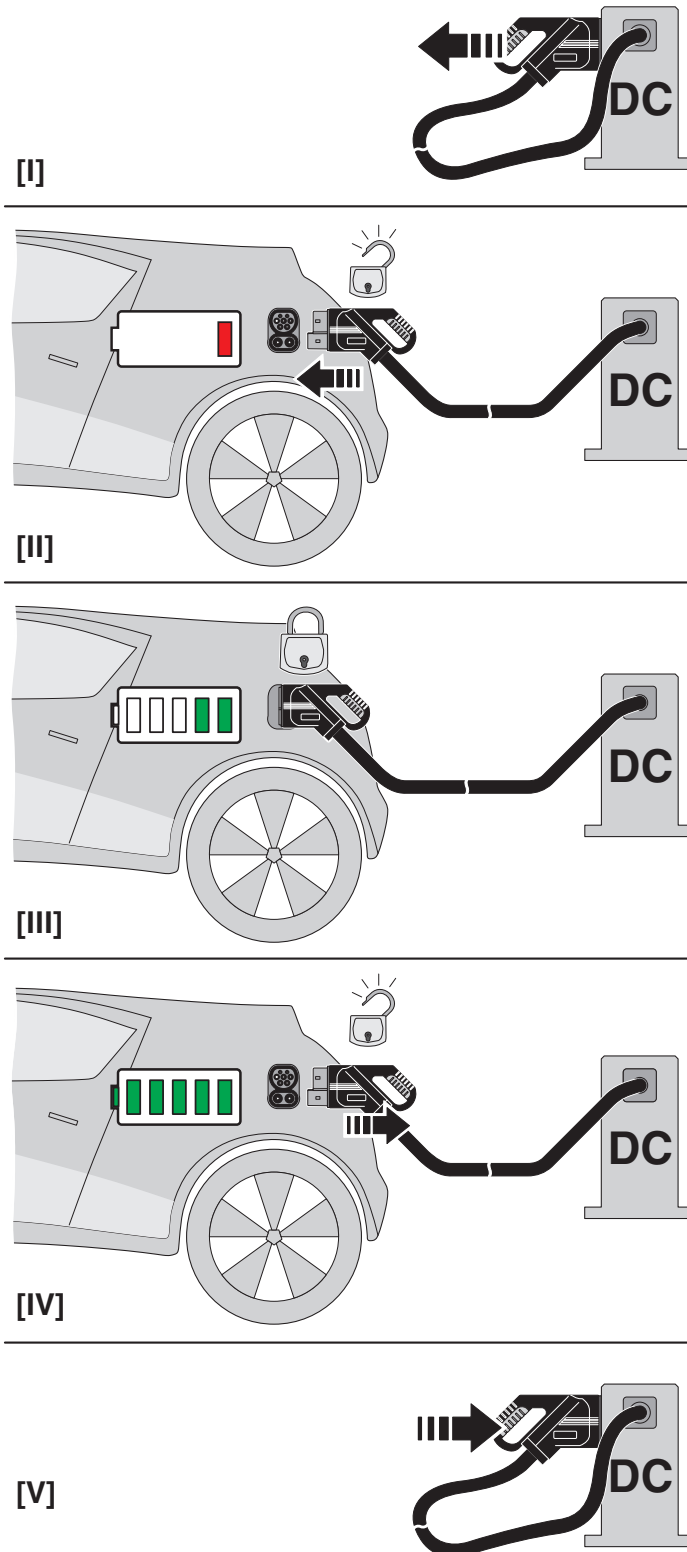
Dimensional drawing



Dimensional drawing of Vehicle Connector

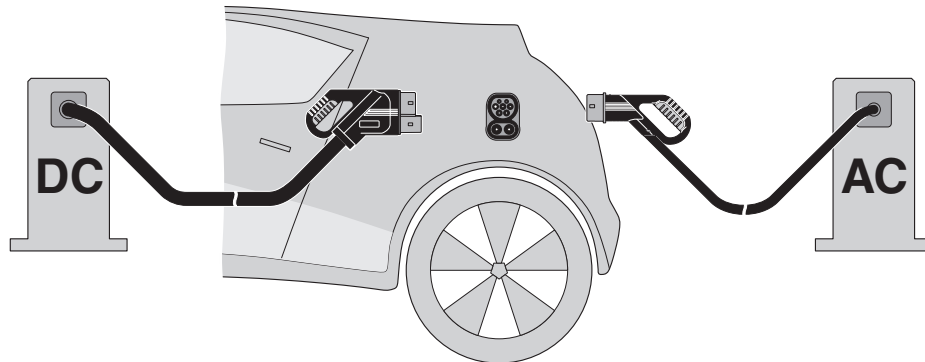
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Schematic diagram



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Schematic diagram



The Combined Charging System (CCS) principle - standard-compliant charging system for electric vehicles, which supports both conventional AC charging and fast DC charging. Both Vehicle Connectors fit into the CCS Vehicle Inlet.