

## AC charging cable - EV-T2M3C-3AC32A-5,0M6,0ESBK00 - 1622043

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AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 2, IEC 62196-2, 32 A / 480 V (AC), Design line Standard, Cable: 5 m, black, straight, Mating face: gray, Griffbereich: gray



### Product Description

AC charging cable with Vehicle Connector and open cable end for charging electric vehicles (EV) with alternating current (AC) via type 2 Vehicle Inlets, for installation at charging stations for E-Mobility (EVSE)



### Key Commercial Data

Packing unit	1 STK
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Product definition

Product type	AC charging cable with Vehicle Connector, open cable end, with protective cap
Type	Design line 1
Standards/regulations	IEC 62196-2
Charging standard	Type 2
Charging mode	Mode 3
Type of charging current	AC 3-phase

#### Dimensions

Height	102.9 mm
Width	60 mm
Depth	229.6 mm
Conductor length	5 m

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## Technical data

### Dimensions

Stripping length	45 mm ±10 mm
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### Ambient conditions

Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Max. altitude	5000 m (above sea level)
Degree of protection	IP44 (plugged in)
	IP44 (Protective cap)

### Electrical properties

Maximum charging power	26.6 kW
Number of phases	3
Number of power contacts	5 (L1, L2, L3, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	480 V AC
Number of signal contacts	2 (CP, PP)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	220 Ω (between PE and PP)

### Mechanical properties

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

### Design

Design line	Standard
Housing color	black
Pin connector pattern color	gray
Color handle area	gray
Color protective cap	black
Label	14.1 mm x 44.8 mm (customer logo on request)

### Material

Housing material	Plastic
Material connection profile	Plastic
Material handle area	Soft plastic
Material protective cap	Soft plastic
Material surface of contacts	Ag

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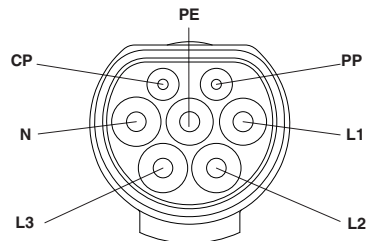
## Technical data

### Cable

Cable structure	5 x 6.0 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	17 mm ±0.4 mm
Type of conductor	straight
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	255 mm (15 x diameter)

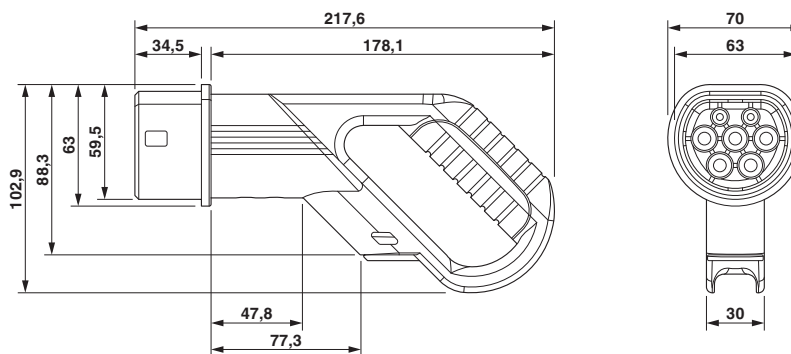
## Drawings

Schematic diagram



Pin assignment of the Vehicle Connector

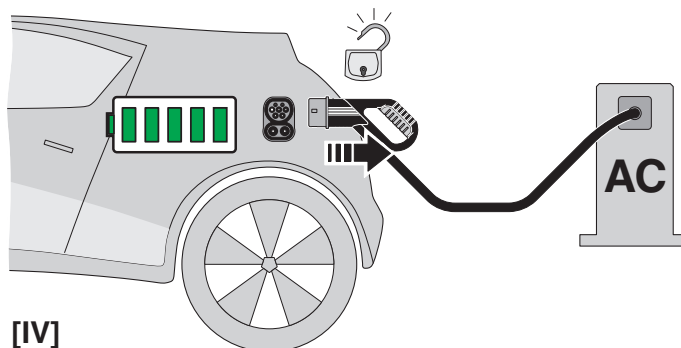
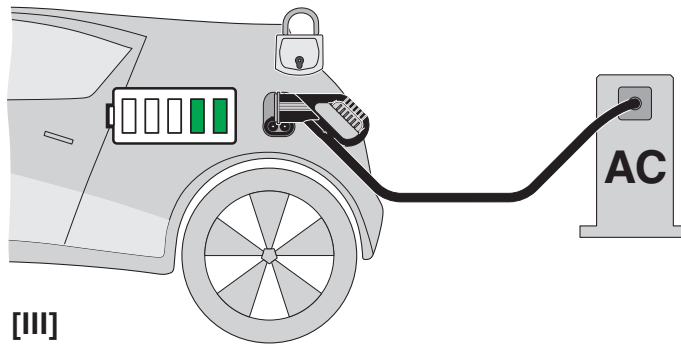
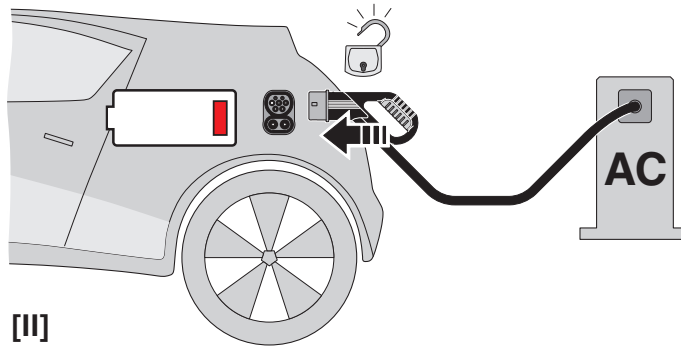
Dimensional drawing



Dimensional drawing of Vehicle Connector

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Schematic diagram



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## Classifications

### eCl@ss

eCl@ss 6.0	27279220
eCl@ss 8.0	27059290
eCl@ss 9.0	27144705

### ETIM

ETIM 5.0	EC002839
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## Approvals

### Approvals

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#### Approvals


VDE approval of drawings

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#### Ex Approvals

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## Approval details

VDE approval of drawings  <a href="http://www.vde.de">http://www.vde.de</a> 40037319	
mm <sup>2</sup> /AWG/kcmil	6.0
Nominal current I <sub>N</sub>	32 A
Nominal voltage U <sub>N</sub>	480 V

## Accessories

### Accessories

#### Mounting material

Holder - EV-T2AC-PARK - 1624148



