

# AC charging cable - EV-GBM3C-3AC32A-5,0M6,0ESOC00 - 1621476

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Mobile AC charging cable with Vehicle Connector and Infrastructure Plug, Design line 1, GB/T, GB/T 20234.2-2015, 32 A / 440 V (AC), design line D-Line, cable: 5 m, orange, straight, NOTE: Cable management may be required., mating face: gray, handle area: gray

## Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure Plug for charging electric vehicles with alternating current (AC), compatible with AC GB/T Vehicle-Inlets and AC GB/T Infrastructure Socket Outlets at charging stations

## Your advantages

- ✓ Consistent design of all Phoenix Contact Vehicle Connectors and Infrastructure Plugs
- ✓ Silver-plated surface of the power and signal contacts
- ✓ Certified in accordance with IATF 16949:2016 and ISO 9001:2015
- ✓ Convenient handling, thanks to the ergonomic handle and additional, rubber grip components

## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356934022
Weight per Piece (excluding packing)	24.000 g
Custom tariff number	85444290
Country of origin	Germany

## Technical data

### Product definition

Product type	Mobile AC charging cable with Vehicle Connector and Infrastructure Plug
Type	D-Line
Standards/regulations	GB/T 20234.2-2015
Charging standard	GB/T
Charging mode	Mode 3, Case C
Note	NOTE: Cable management may be required.
	Cable management is required in certain regions if the cable length exceeds 5.0 m (Switzerland) or 7.5 m (USA) (IEC 61851-1).

## Dimensions

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## Technical data

### Dimensions

Vehicle connector width	60.00 mm
Vehicle connector height	112.40 mm
Vehicle connector depth	219.60 mm
Conductor length	5 m

### 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	IP55 (plugged in; when plugged in and ready to operate, the degree of protection is only ensued if both plug-in components are original products from Phoenix Contact or suitable standard-compliant products)
	IP54 (Protective cap)

### Electrical properties

Maximum charging power	24.39 kW
Number of phases	3
Number of power contacts	5 (L, NC1, NC2, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	440 V
Number of signal contacts	2 (CP, CC)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Note on the connection method	Crimp connection, cannot be disconnected
Resistor coding	220 Ω (between PE and CC)

### Mechanical properties

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

### Design

Design line	D-Line
Housing color	black
Mating face color	gray
Color handle area	gray
Actuating element color	gray
Color protective cap	black
Label	14.1 mm x 44.8 mm (customer logo on request)

### Material

Housing material	Plastic
Material handle area	Soft plastic

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## Technical data

### Material

Actuating lever material	Plastic
Material protective cap	Plastic
Material mating face	Plastic
Material surface of contacts	Ag

### Cable

Cable structure	5 x 6 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup> (GB/T 25087-2010, ISO 14572)
Wiring class	Class 6
External cable diameter	17.1 mm ±0.5 mm
Type of conductor	straight
Outer sheath, material	TPE
External sheath, color	orange
Minimum bending radius	255 mm (15 x diameter)

### Locking

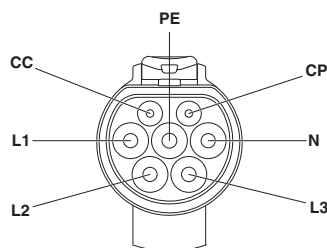
Locking type	No locking option for U-lock
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### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

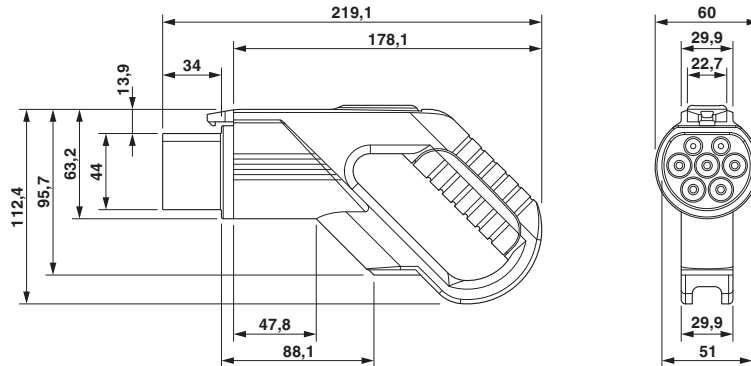
Schematic diagram



Pin assignment of the Vehicle Connector

# AC charging cable - EV-GBM3C-3AC32A-5,0M6,0ESOC00 - 1621476

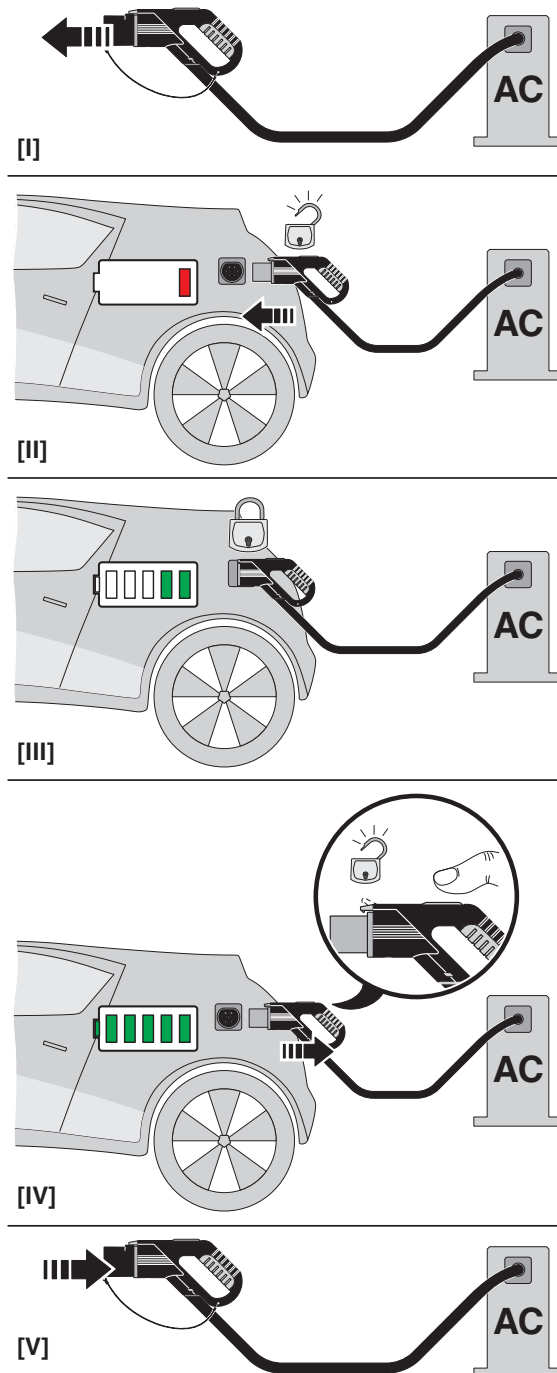
Dimensional drawing



Ensure that the vehicle connector is placed in an appropriate resting position that ensures a minimum protection rating of IP24 in accordance with IEC 61851-1 for the entire time between charging. Use the dimensions of the vehicle connector to create this type of resting position. Detailed specifications can also be found in the download area.

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Schematic diagram



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## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001
eCl@ss 9.0	27144705

### ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002839
ETIM 6.0	EC002897

### UNSPSC

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

## Approvals

### Approvals

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Approvals

CQC

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Ex Approvals

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### Approval details

CQC	<a href="http://www.cqc.com.cn/www/english/certificateinquiry/">http://www.cqc.com.cn/www/english/certificateinquiry/</a>	CQC14029109201-2
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## Accessories

Accessories

AC charging controller

## AC charging cable - EV-GBM3C-3AC32A-5,0M6,0ESOC00 - 1621476

### Accessories

#### AC charging controller - EV-CC-AC1-M3-CC-SER-HS - 1622459



The EV-CC-AC1-M3-CBC-SER-HS charging controller with housing for DIN rail mounting is used for charging electric vehicles at 3-phase AC networks according to IEC 61851-1, Mode 3. Optimized for charging stations with permanently mounted Vehicle Connector. All charging functions and comprehensive configuration settings are already integrated.

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#### AC charging controller - EV-CC-AC1-M3-CC-SER-PCB - 1622460



The EV-CC-AC1-M3-CC-SER-PCB charging controller as a PCB for charging electric vehicles on a 3-phase AC power grid according to IEC 61851-1, Mode 3. Optimized for charging stations with permanently mounted Vehicle Connector. All charging functions and comprehensive configuration settings are already integrated.

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#### AC charging controller - EV-CC-AC1-M3-CC-SER-PCB-XC-25X - 1627742



The EV-CC-AC1-M3-CC-SER-PCB charging controller as a PCB for charging electric vehicles on a 3-phase AC power grid according to IEC 61851-1, Mode 3. Optimized for charging stations with permanently mounted Vehicle Connector. All charging functions and comprehensive configuration settings are already integrated.

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#### AC charging controller - EV-CC-AC1-M3-CC-SER-PCB-MSTB - 1627367



The EV-CC-AC1-M3-CC-SER-PCB-MSTB charging controller as a PCB for charging electric vehicles according to IEC 61851-1, Mode 3, optimized for charging stations with permanently mounted Vehicle Connector. Connection via PCB connector on header.

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### Park position

#### Park position - EV-GBAC-PARK - 1624142



Retainer for Vehicle Connector as parking position at charging stations (EVSE), GB/T, GB/T 20234.2, Front mounting