

## AC charging cable - EV-GBG3JK-1AC32A-5,0M6,0ESBK01 - 1623516

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Mobile AC charging cable with Vehicle Connector and Infrastructure Plug, with locking option for U-lock, with protective caps, GB/T, GB/T 20234.2-2015, GB/T 18487.1-2015, 32 A / 250 V (AC), Design line C-Line, Cable: 5 m, black, straight, Mating face: black, Handle area: gray

### Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure Plug for charging electric vehicles (EV) with alternating current (AC), via a GB/T Vehicle-Inlet, compatible with GB/T Infrastructure Socket Outlets at charging stations for E-Mobility (EVSE)

RoHS

### Key Commercial Data

Packing unit	1
GTIN	 4 055626 177953
GTIN	4055626177953
Custom tariff number	85444290

### Technical data

#### Product definition

Product type	Mobile AC charging cable with Vehicle Connector and Infrastructure Plug, with locking option for U-lock, with protective caps
Type	C-Line black / gray
Standards/regulations	GB/T 20234.2-2015
	GB/T 18487.1-2015
Charging standard	GB/T
Charging mode	Mode 3, Case B
Type of charging current	AC single-phase

#### Dimensions

Vehicle connector width	58.00 mm
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## Technical data

### Dimensions

Vehicle connector height	151.30 mm
Vehicle connector depth	238.70 mm
Infrastructure plug width	58.00 mm
Infrastructure plug height	151.30 mm
Infrastructure plug depth	249.20 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)
	IP54 (Protective cap)

### Electrical properties

Maximum charging power	8 kW
Number of phases	1
Number of power contacts	3 (L, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	250 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
Resistor coding	220 $\Omega$ + 3,3 k $\Omega$ (Lever actuated)
	220 $\Omega$ (Lever not actuated)

### Mechanical properties

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

### Design

Design line	C-Line
Housing color	black
Pin connector pattern color	black
Color handle area	gray
Actuating element color	silver
Color protective cap	black

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Technical data

Design

Customer variations	On request
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Material

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

Cable

Cable structure	3 x 6.0 mm² + 1 x 0.5 mm² (prEN 50620, VDE Reg. 8789 class 5)
External cable diameter	12.8 mm ±0.4 mm
Type of conductor	straight
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	192 mm (15 x diameter)

Locking

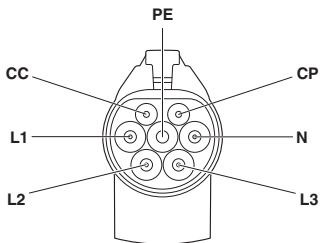
Locking type	Locking option for actuating lever with 4 mm U-lock
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Environmental Product Compliance

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

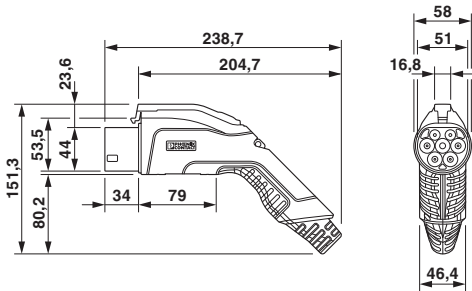
Drawings

Connection diagram



Pin assignment of Infrastructure Plug

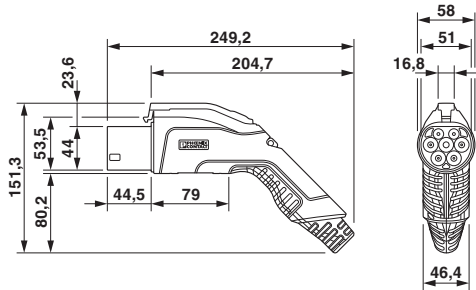
Dimensional drawing



Dimensional drawing of Vehicle Connector

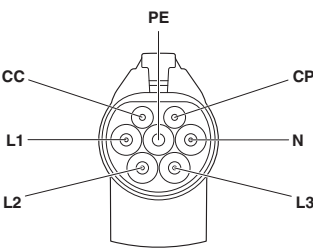
# AC charging cable - EV-GBG3JK-1AC32A-5,0M6,0ESBK01 - 1623516

Dimensional drawing



Dimensional drawing of the Infrastructure Plug

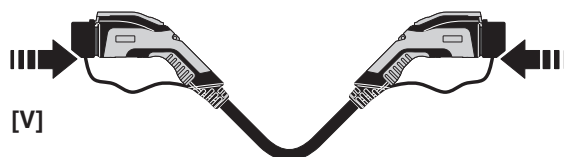
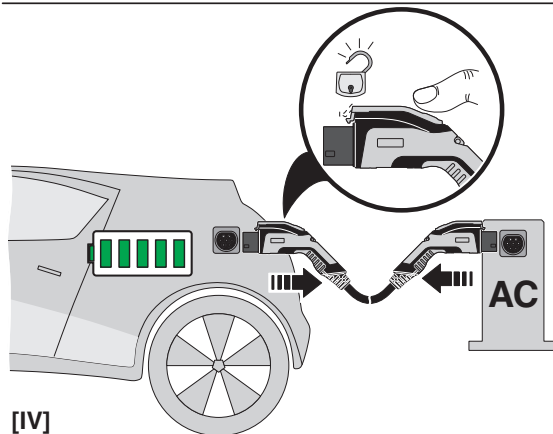
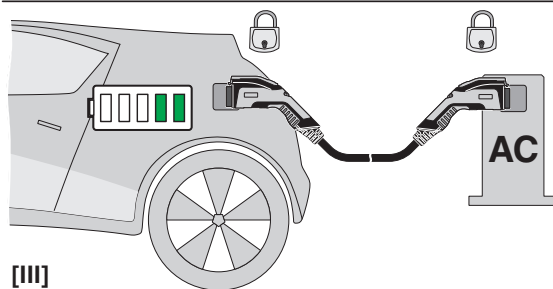
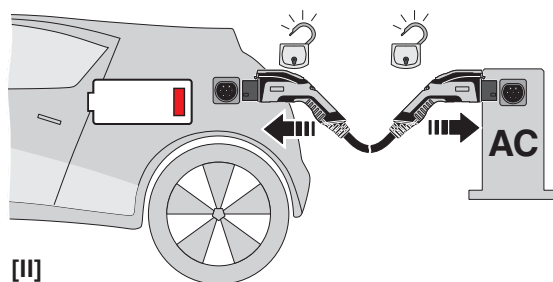
Schematic diagram



Pin assignment of the Vehicle Connector

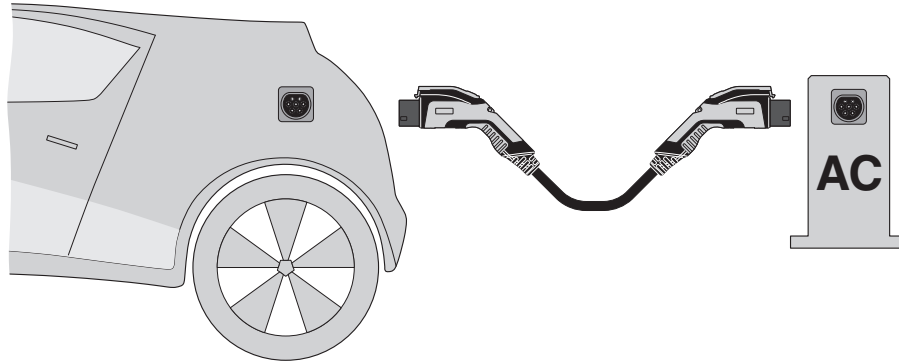
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Schematic diagram



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Schematic diagram



### Terminology definition

### Classifications

#### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27059290
eCl@ss 6.0	27279220
eCl@ss 7.0	27440103
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	EC002839

#### UNSPSC

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

### Accessories

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## AC charging cable - EV-GBG3JK-1AC32A-5,0M6,0ESBK01 - 1623516

### Accessories

#### Infrastructure socket outlet

Socket Outlet - EV-GBM3S-1AC32A-0,7M6,0E00 - 1408169



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, GB/T, GB/T 20234.2-2015, 32 A / 250 V (AC), Single wires, Length: 0.7 m, NOTE This product version does not include a locking actuator.

Socket Outlet - EV-GBM3SE12-1AC32A-0,7M6,0E10 - 1408171



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, GB/T, GB/T 20234.2-2015, 32 A / 250 V (AC), 12 V Locking actuator, Single wires, Length: 0.7 m

Socket Outlet - EV-GBM3SE12-1AC32A-0,7M6,0E10T - 1627347



Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, GB/T, GB/T 20234.2-2015, 32 A / 250 V (AC), 12 V Locking actuator, Single wires, Length: 0.7 m, With temperature measurement via Pt 1000 sensors

#### Park position

Holder - EV-GBAC-PARK - 1624142



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