

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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)

Why buy this product

- ✓ 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
- ✓ Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- ✓ Reliable function of the locking lever with additional seal
- ✓ Optional locking option with a U-lock
- ✓ Consistent longitudinal water tightness prevents water ingress in the cable

Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| GTIN |  4 055626 177953 |
| GTIN | 4055626177953 |
| Weight per Piece (excluding packing) | 2,720.000 g |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

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

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 |

Dimensions

| | |
|----------------------------|-----------|
| Vehicle connector width | 58.00 mm |
| 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 Ω + 3,3 kΩ (Lever actuated) |
| | 220 Ω (Lever not actuated) |

Mechanical properties

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
|-----------------------------|---------|

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

Technical data

Mechanical properties

| | |
|------------------|---------|
| Insertion force | < 100 N |
| Withdrawal force | < 100 N |

Design

| | |
|-------------------------|------------|
| Design line | C-Line |
| Housing color | black |
| Mating face color | black |
| Color handle area | gray |
| Actuating element color | silver |
| Color protective cap | black |
| Customer variations | On request |

Material

| | |
|------------------------------|--------------|
| Housing material | Plastic |
| Material handle area | Soft plastic |
| Actuating lever material | Metal |
| Material protective cap | Soft plastic |
| Material mating face | Plastic |
| Material surface of contacts | Ag |

Cable

| | |
|------------------------------|---|
| Cable structure | 3 x 6.0 mm ² + 1 x 0.5 mm ² |
| Wiring standards/regulations | prEN 50620 / DIN EN 50620 |
| Wiring class | Class 5 |
| Wiring certifications | VDE |
| 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 |
|--------------|---|

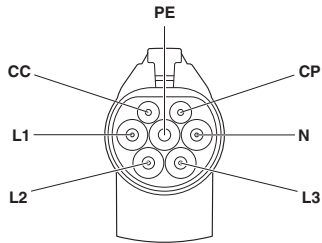
Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 10; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

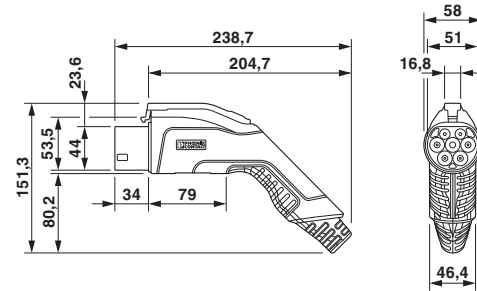
AC charging cable - EV-GBG3JK-1AC32A-5,0M6,0ESBK01 - 1623516

Drawings

Connection diagram



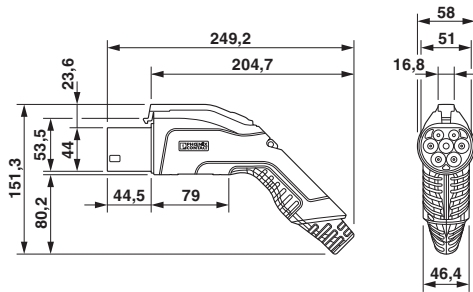
Dimensional drawing



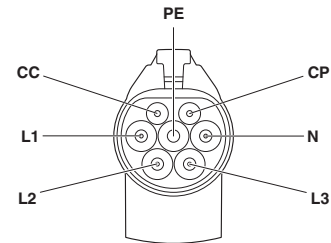
Pin assignment of Infrastructure Plug

Vehicle connector

Dimensional drawing



Schematic diagram

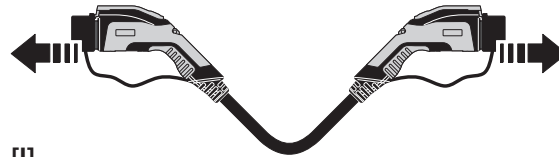


Infrastructure plug

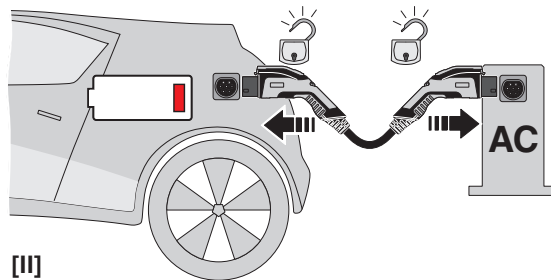
Pin assignment of the Vehicle Connector

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

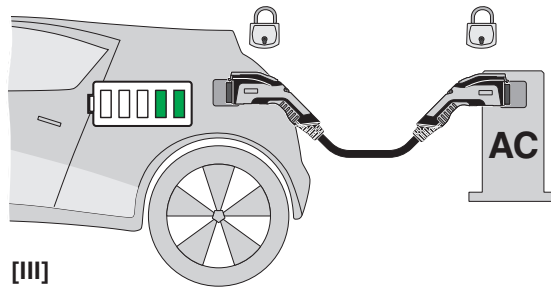
Schematic diagram



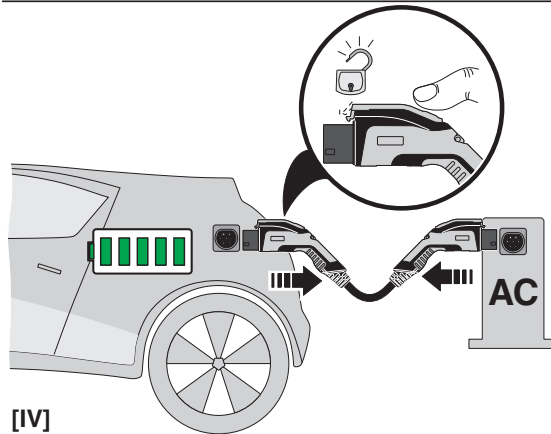
[I]



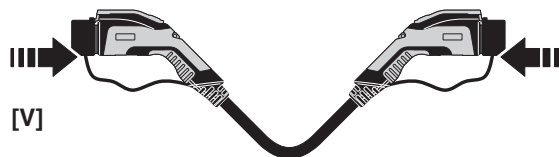
[II]



[III]



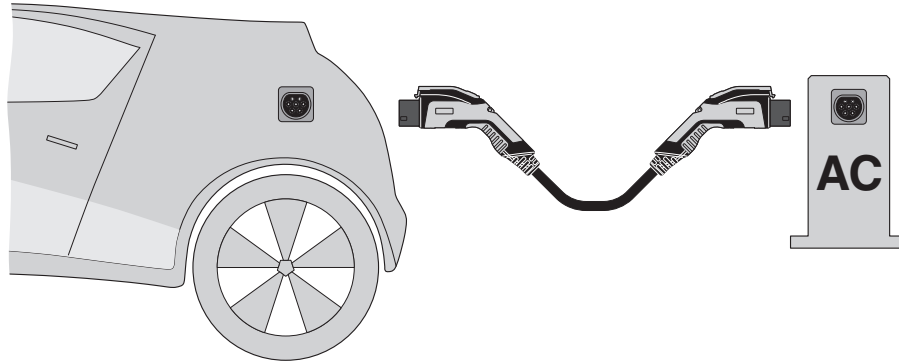
[IV]



[V]

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

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 | 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 |

Accessories

Accessories

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, Front and rear mounting, 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, Rear panel mounting

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, Rear panel mounting, With temperature measurement via Pt 1000 sensors

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