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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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AC charging cable - EV-GBG3K-3AC16A-5,0M2,5ESBK01 - 1623512

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AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap, GB/T, GB/T 20234.2-2015, GB/T 18487.1-2015, 16 A / 440 V (AC), design line C-Line, cable: 5 m, black, straight, mating face: black, handle area: gray

Product Description


AC charging cable with Vehicle Connector and open cable end for charging electric vehicles (EV) with alternating current (AC) via GB/T Vehicle Inlets, for installation 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 177939
GTIN	4055626177939

Technical data

Product definition

Product type	AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap
Type	C-Line black / gray
Standards/regulations	GB/T 20234.2-2015
	GB/T 18487.1-2015
Charging standard	GB/T

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Technical data

Product definition

Charging mode	Mode 3, Case C
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Dimensions

Vehicle connector width	58.00 mm
Vehicle connector height	151.30 mm
Vehicle connector depth	238.70 mm
Conductor length	5 m
Stripping length	60 mm ±15 mm

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	12.19 kW
Number of phases	3
Number of power contacts	5 (L, NC1, NC2, N, PE)
Rated current of power contacts	16 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
Resistor coding	680 Ω + 2.7 kΩ (Lever actuated)
	680 Ω (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
Mating face color	black
Color handle area	gray
Actuating element color	silver
Color protective cap	black
Customer variations	On request

Material

AC charging cable - EV-GBG3K-3AC16A-5,0M2,5ESBK01 - 1623512

Technical data

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	5 x 2.5 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

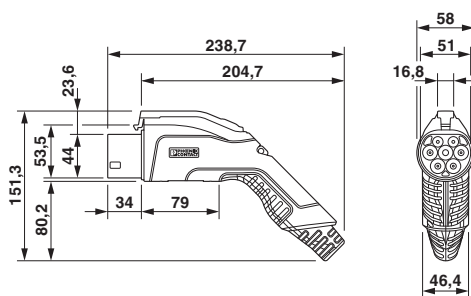
Locking type	Locking option for actuating lever with 4 mm U-lock
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Environmental Product Compliance

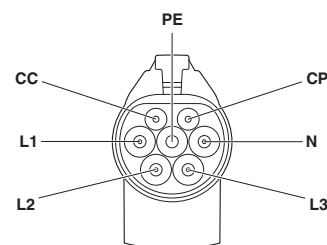
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing



Schematic diagram

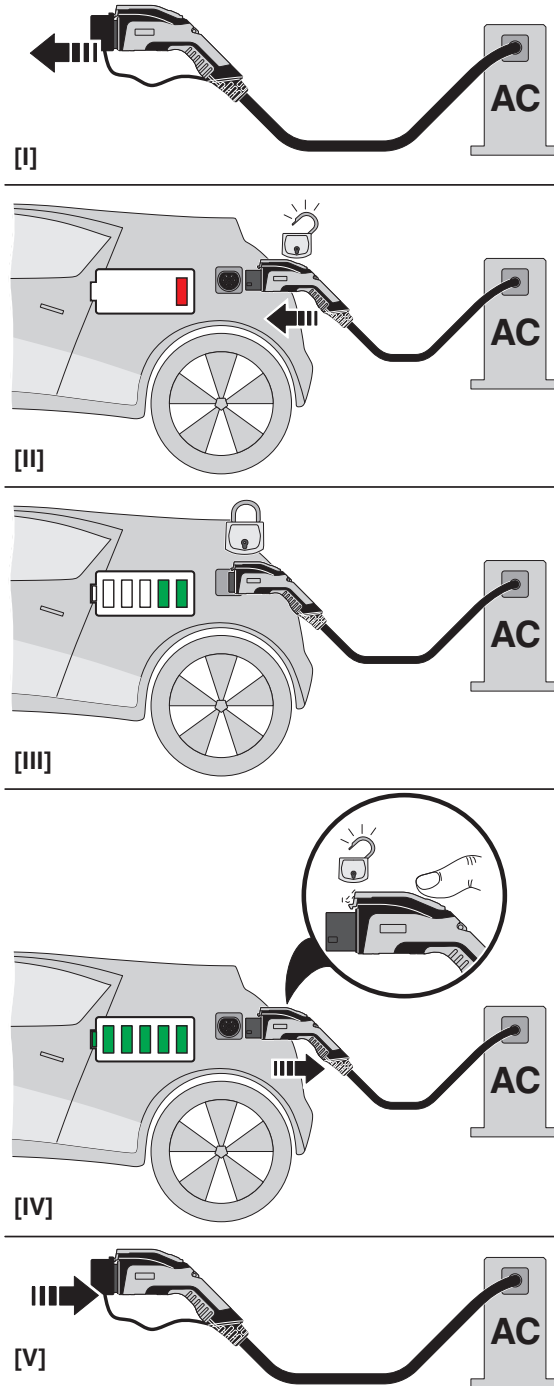


Pin assignment of the Vehicle Connector

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.

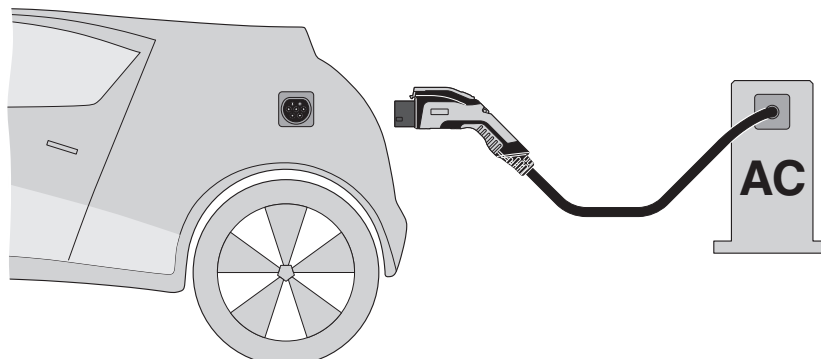
AC charging cable - EV-GBG3K-3AC16A-5,0M2,5ESBK01 - 1623512

Schematic diagram



AC charging cable - EV-GBG3K-3AC16A-5,0M2,5ESBK01 - 1623512

Schematic diagram



Terminology definition

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