AC charging cable - EV-GBG3J-1AC32A-1,5M6,0ESBK01 - 1628116

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CHARX connect, AC charging cable with infrastructure charging plug and free cable end, with protective cap, Housing color black-gray, with locking option for padlock, For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, for installation at charging stations for electromobility (EVSE), GB/T, GB/T 20234.2-2015, GB/T 18487.1-2015, 32 A / 250 V (AC), C-Line, cable: 1.5 m, black, straight

Product Description

AC charging cable with Infrastructure Plug and open cable end for charging electric vehicles (EV) with alternating current (AC), compatible with type 2 Infrastructure Socket Outlets at charging stations for E-Mobility (EVSE)

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
- 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

RoHS

Key Commercial Data

Packing unit	1
GTIN	4 055626 385334
GTIN	4055626385334
Custom tariff number	85444290

Technical data

Product definition

Type	AC charging cable

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Technical data

Product definition

	with infrastructure charging plug and free cable end
	with protective cap
	Housing color black-gray
	with locking option for padlock
Application	For charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets
	for installation at charging stations for electromobility (EVSE)
Design	C-Line
Standards/regulations	GB/T 20234.2-2015
	GB/T 18487.1-2015
Charging standard	GB/T
Charging mode	Mode 3

Dimensions

Height	151.3 mm (Infrastructure charging plug)
Width	58 mm (Infrastructure charging plug)
Depth	249.2 mm (Infrastructure charging plug)
Conductor length	1.5 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)
	IP56 (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
Note on the connection method	Crimp connection, cannot be disconnected
Resistor coding	220 Ω + 3,.3 kΩ (Lever actuated)

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Technical data

Electrical properties

	220 Ω (Lever not actuated)

Mechanical properties

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

Design

Design line	2
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 mm² + 1 x 0.5 mm²
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
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	96 mm (7.5 x diameter)
Cable weight	max. 305 kg/km

Locking

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

Environmental Product Compliance

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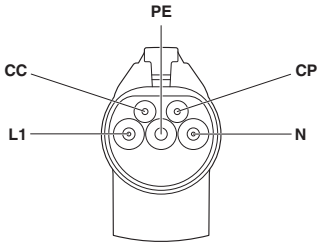
Environmental Product Compliance

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”

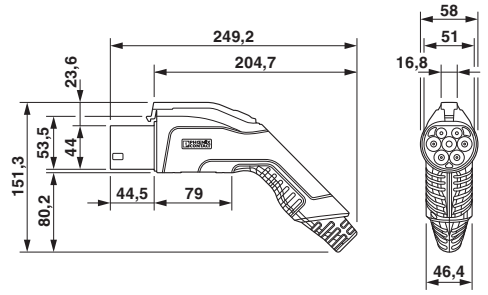
Drawings

Connection diagram



Pin assignment of Infrastructure Plug

Dimensional drawing



Infrastructure plug

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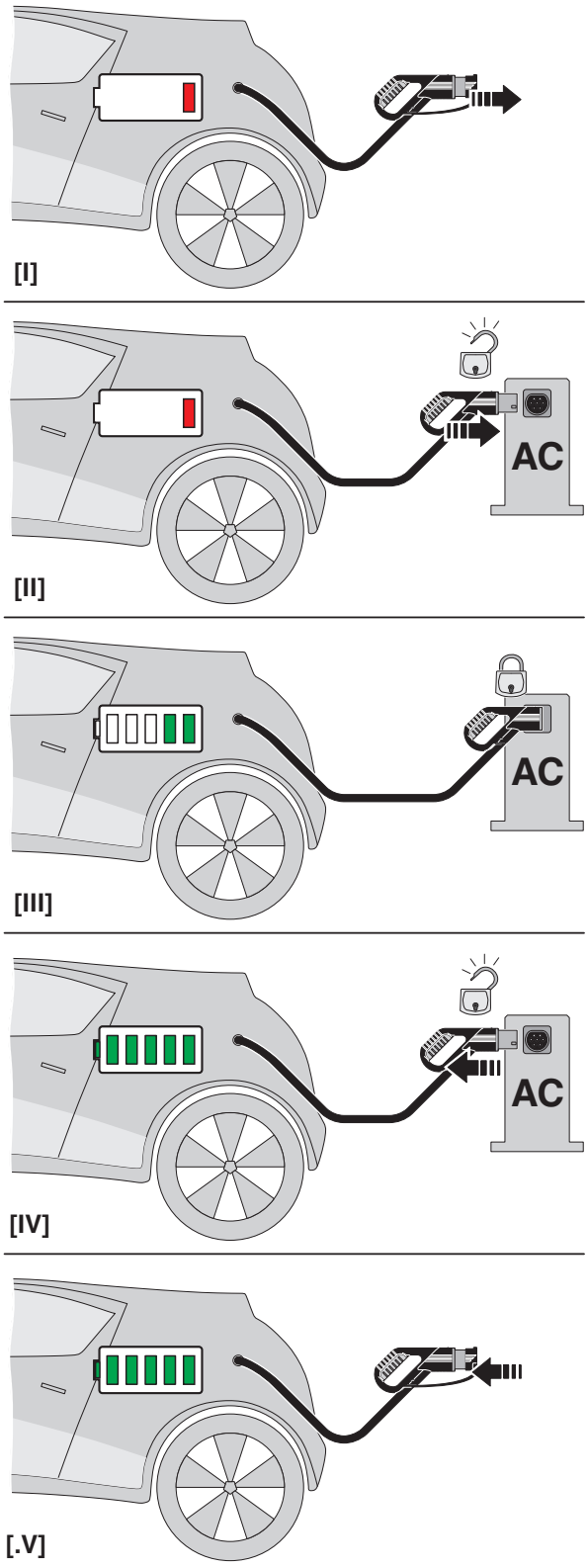
Schematic diagram



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Classifications

eCl@ss

eCl@ss 10.0.1	27144705
eCl@ss 11.0	27144705
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27143400
eCl@ss 7.0	27449001
eCl@ss 9.0	27144705

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 6.0	EC002897
ETIM 7.0	EC002897

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522