EV-GBM3C-1AC32A-3,0M6,0ESBK00U - AC charging cable

1628315

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CHARX connect, GB/T, AC charging cable, 32 A permanent, 440 V AC, with vehicle charging connector and open cable end, cable: 3 m, orange, straight, without protective cap, housing: black, gray, PHOENIX CONTACT logo, GB/T 20234.2, for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets

Product description

AC charging cable with vehicle charging connector and free cable end for charging electric vehicles (EV) with alternating current (AC) via GB/T vehicle charging inlets, for installation at charging stations for e-mobility (EVSE)

Your advantages

- Complete product range
- Convenient handling due to the ergonomic, triple award-winning design
- Available with your logo on request - for consistent branding of your charging station
- Longitudinal water tightness reliably prevents water ingress
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Tested in accordance with automotive standards LV124, LV214, and LV215-2
- Tested in accordance with EV Ready 37 requirements

Commercial data

Item number	1628315
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBAAF
GTIN	4055626449388
Weight per piece (including packing)	1,900 g
Weight per piece (excluding packing)	1,800 g
Country of origin	DE

Technical data

Product properties

Product type	AC charging cable
Product family	CHARX connect
Type	AC charging cable
	with vehicle charging connector and open cable end
Design	without protective cap
Charging standard	GB/T
Charging mode	Mode 3, Case C
Affixed logo	PHOENIX CONTACT logo

Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Coding	680 Ω (between PE and CC)

Charging power and current (AC charging, 1-phase)

Type of charging current	AC single-phase
Charging current	32 A AC (1-phase)
Charging power	8 kW (1-phase)
Rated voltage	250 V

Pin assignment (Power contacts)

Number	3 (L, N, PE)
Rated voltage	440 V
Rated current	32 A

Pin assignment (Signal contacts)

Number	2 (CP, CC)
Rated voltage	30 V AC
Rated current	2 A

Material specifications

Color (Housing)	black (9005)
Color (Handle area)	gray (7042)
Color (Mating face)	black (9005)
Color (Protective cap)	black (9005)
Color (Cable)	orange (2003)
Material (Vehicle charging connector)	Plastic
Material (Cable outer sheath)	TPE-U
Material (Contact surface)	Silver

Cable/line

Cable length	3 m
Cable type	Class 6

Cable type	straight
Cable structure	3 x 6.0 mm² + 1 x 0.5 mm²
External cable diameter	13.90 mm ±0.3 mm
Outer sheath, material	TPE
Stripping length of the sheath	45 mm ±10 mm
Stripping length	45 mm ±10 mm
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)
Bending radius	min. 208.5 mm (15x diameter)
Cable length	3 m
Stripping length	45 mm ±10 mm
External cable diameter	13.90 mm ±0.3 mm
Cable type	Class 6
Cable resistance	≤ 0.0033 Ω/m (based on a power core, at an ambient temperature of 20°C)

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Ambient conditions

Degree of protection (Vehicle charging inlet)	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)
Degree of protection (Infrastructure charging plug)	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)
Degree of protection (Protective cap)	IP54
Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	5000 m (above sea level)

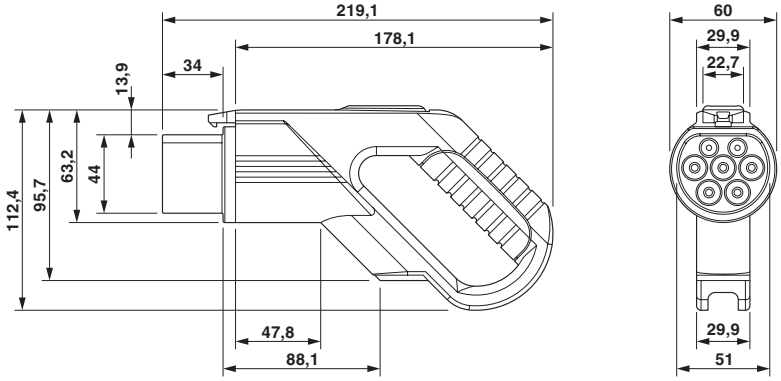
Standards and regulations

Standards

Standards/regulations	GB/T 20234.2

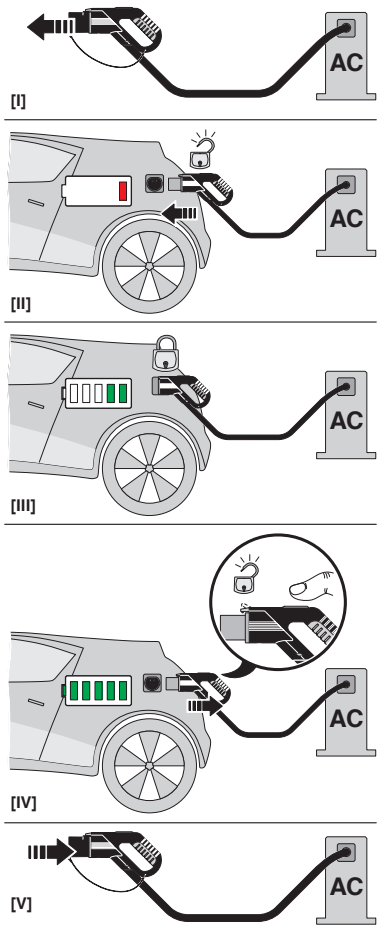
Drawings

Dimensional drawing



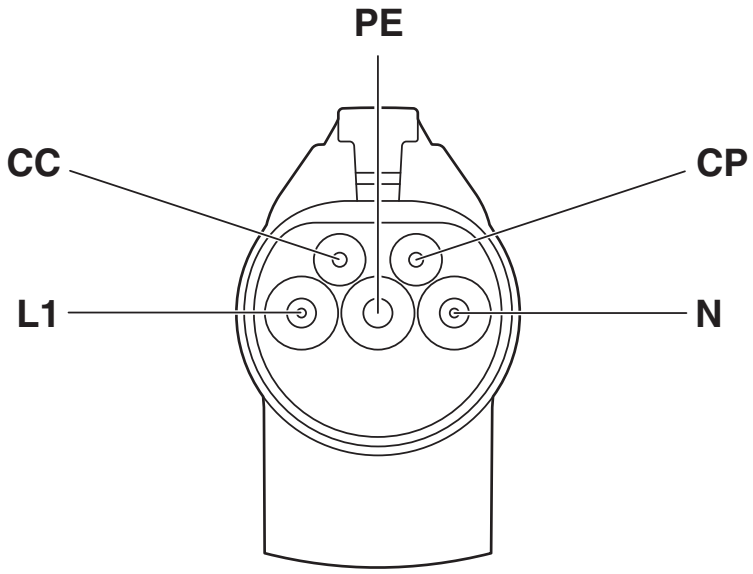
Make sure that the vehicle charging connector is placed in an appropriate charging connector holder, which ensures a minimum protection rating of IP24 in accordance with IEC 61851-1, for the entire time between charging. To create this charging connector holder, use the dimensions of the vehicle charging connector. Detailed dimensions can also be found in the Download area.

Schematic diagram



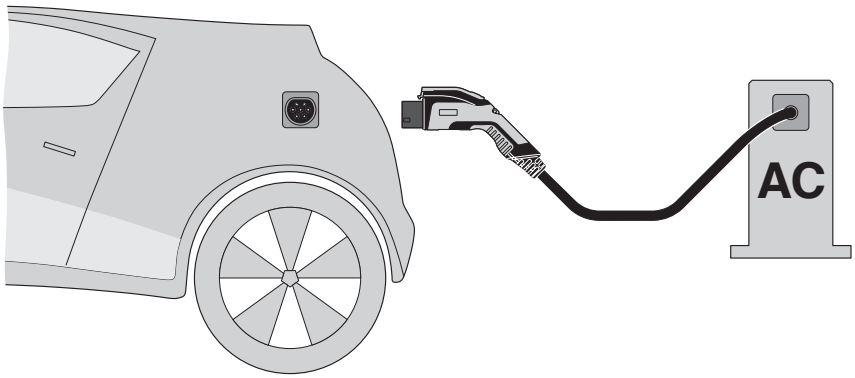
Operating instructions

Schematic diagram



Pin assignment of the Vehicle Connector

Schematic diagram



Terminology definition

Classifications

ECLASS

ECLASS-15.0	27144705
ECLASS-13.0	27144705

ETIM

ETIM 10.0	EC002897

UNSPSC

UNSPSC 21.0	39121500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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