AC charging cable - EV-T1G3K-1AC32A-4,0M6,0EHBK01 - 1623239

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AC charging cable with Vehicle Connector, open cable end, with locking option for U-lock, with protective cap, Type 1, IEC 62196-2, SAE J1772, 32 A / 250 V (AC), design line C-Line, cable: 4 m, black, spiraled, 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 type 1 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
- Consistent longitudinal water tightness prevents water ingress in the cable

RoHS

Key Commercial Data

Packing unit	1
GTIN	4 055626 177816
GTIN	4055626177816
Custom tariff number	85444290

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

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Technical data

Product definition

Standards/regulations	IEC 62196-2
	SAE J1772
Charging standard	Type 1
Charging mode	Mode 3, Case C

Dimensions

Vehicle connector width	58.00 mm
Vehicle connector height	151.10 mm
Vehicle connector depth	236.10 mm
Conductor length	4 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	IP44 (plugged in)
	IP54 (Protective cap)

Electrical properties

Maximum charging power	8 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	32 A
Rated voltage for power contacts	250 V AC
Number of signal contacts	2 (CP, CS)
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Resistor coding	480 Ω (Lever actuated)
	150 Ω (Lever not actuated)

Mechanical properties

Insertion/withdrawal cycles	> 10000
Insertion force	< 75 N
Withdrawal force	< 75 N

Design

Design line	C-Line
Housing color	black

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Design

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
Flammability rating	V0
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	spiraled
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	192 mm (15 x diameter)
Coil diameter	60 mm ±10 %
Block length	0.63 m ±10 %
Effective length	max. 4 m ±5 %

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”

Drawings

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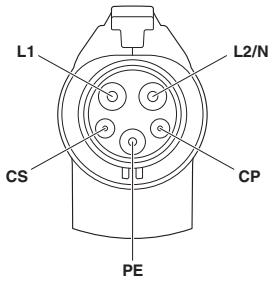
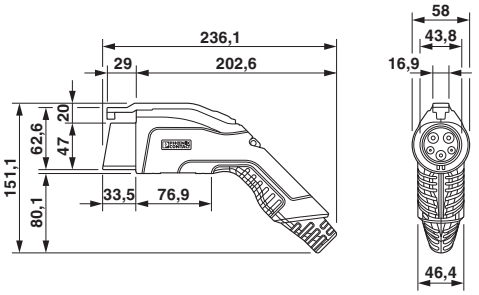
Connection diagram



Pin assignment of the Vehicle Connector

Dimensional drawing



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.

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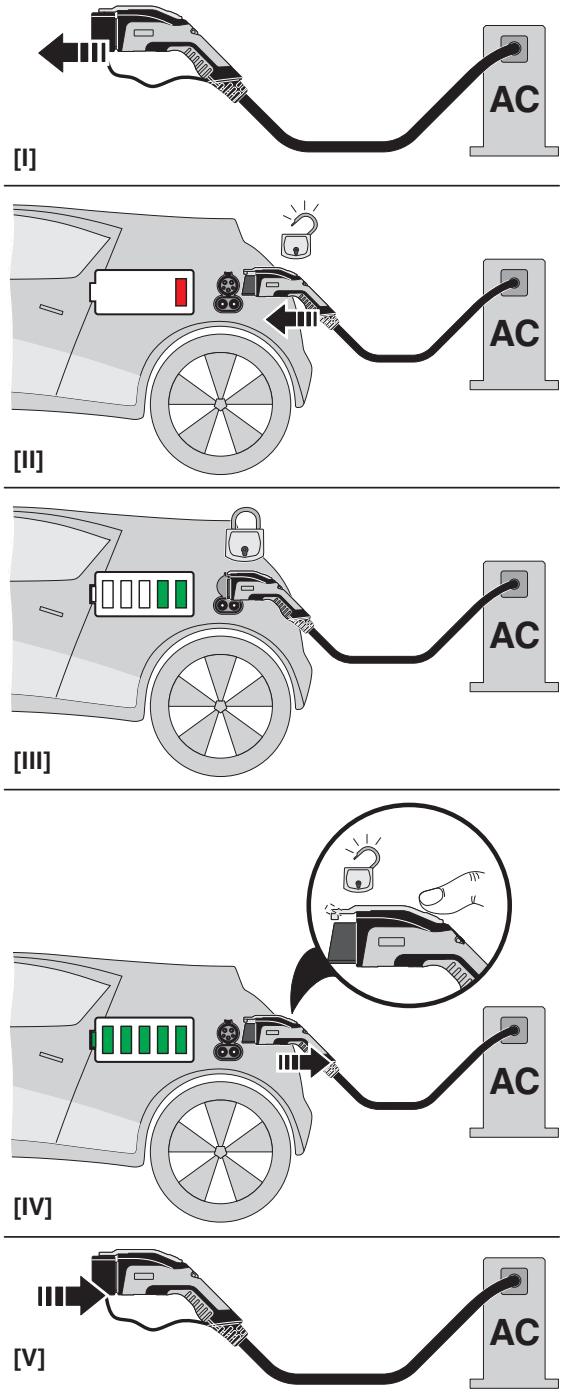
Schematic diagram



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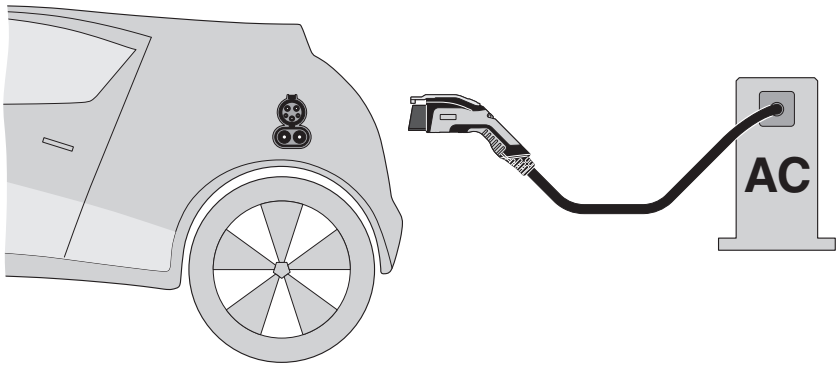

Terminology definition

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

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Accessories

Park position

Park position - EV-T1AC-PARK - 1624139

Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 1, SAE J1772, Front mounting