AC charging cable - EV-T2G3P-1AC32A-1,5M6,0ESBK01 - 1628115

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AC charging cable, with infrastructure charging plug and free cable end, with protective cap, Housing color black-black, For charging electric vehicles (EV) with alternating current (AC), compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE), Type 2, IEC 62196-2, 32 A / 250 V (AC), C-Line, “PHOENIX CONTACT” logo, 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
- Material data available in the IMDS (International Material Data System of the automotive industry)
- 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
- Tested in accordance with EV Ready 37 requirements
- Consistent longitudinal water tightness prevents water ingress in the cable

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 385327
GTIN	4055626385327

Technical data

Product definition

Type	AC charging cable
	with infrastructure charging plug and free cable end
	with protective cap
	Housing color black-black
Application	For charging electric vehicles (EV) with alternating current (AC)

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Technical data

Product definition

	compatible with type 2 infrastructure charging sockets at charging stations for electromobility (EVSE)
Affixed logo	“PHOENIX CONTACT” logo
Design	C-Line
Standards/regulations	IEC 62196-2
Charging standard	Type 2
Charging mode	Mode 3

Dimensions

Height	131.8 mm (Infrastructure charging plug)
Width	58 mm (Infrastructure charging plug)
Depth	233.4 mm (Infrastructure charging plug)
Conductor length	1.5 m
Stripping length	70 mm ±5 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, PP)
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 (between PE and PP)

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

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Technical data

Design

Color handle area	gray
Color protective cap	black
Customer variations	On request

Material

Housing material	Plastic
Material handle area	Soft plastic
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

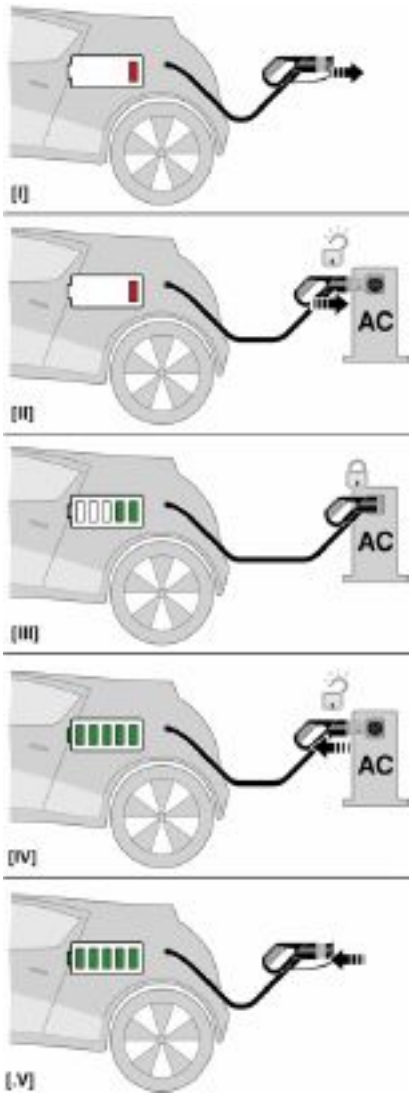
Environmental Product Compliance

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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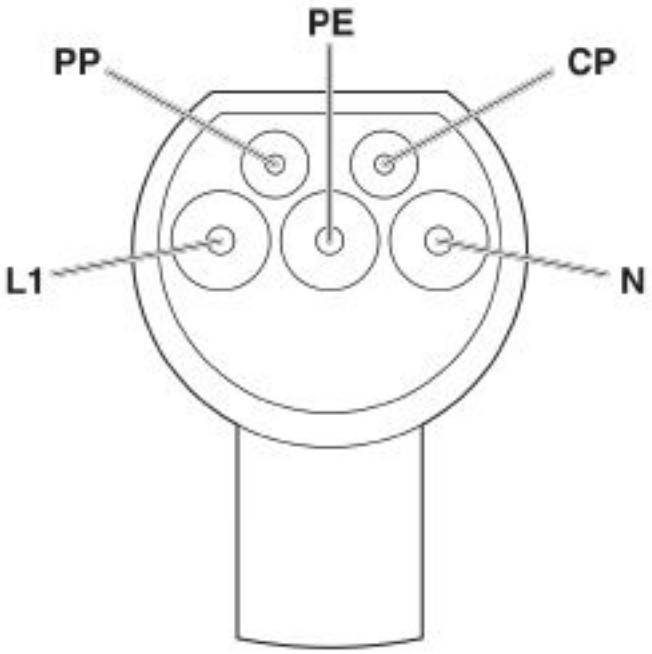
Schematic diagram



Operating instructions

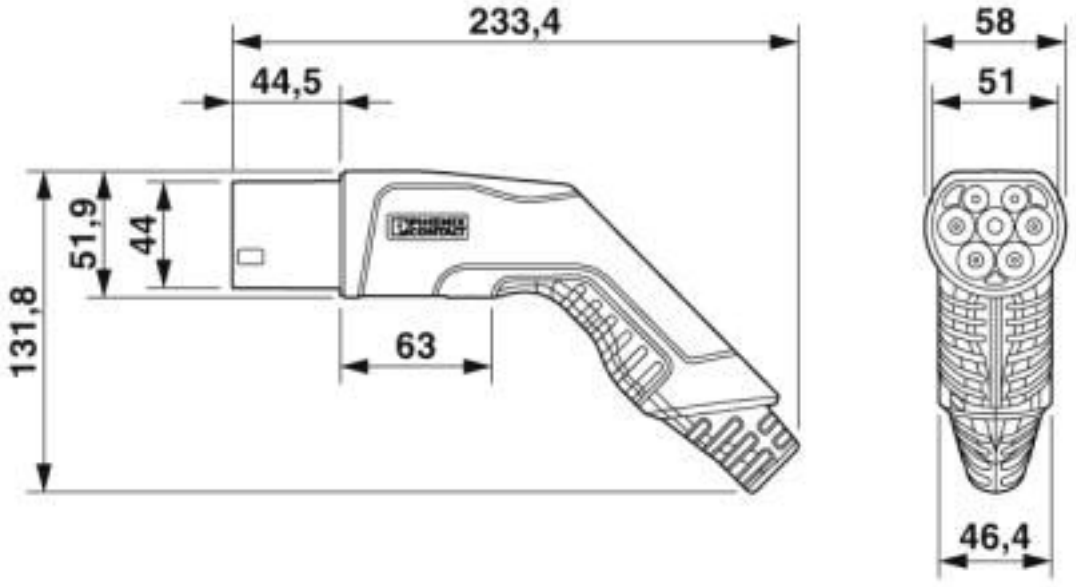
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Connection diagram



Pin assignment of Infrastructure Plug

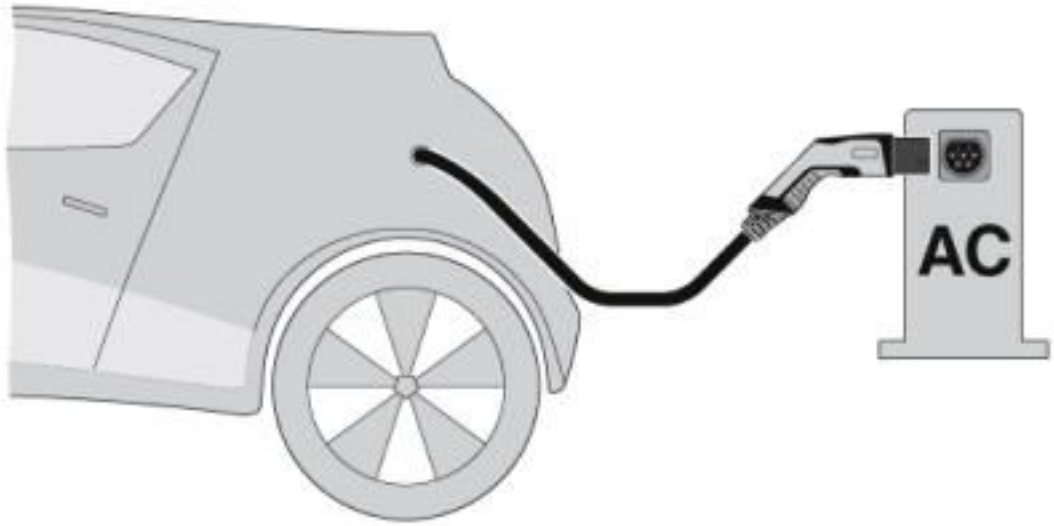
Dimensional drawing



Infrastructure plug

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Schematic diagram



Terminology definition

Classifications

eCl@ss

eCl@ss 10.0.1	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 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
ETIM 7.0	EC002897

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

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Classifications

UNSPSC

UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

Approvals

Approvals

Approvals

IECEE CB Scheme / VDE Zeichengenehmigung

Ex Approvals

Approval details

IECEE CB Scheme	CB scheme	http://www.iecee.org/	DE1-60744

Nominal voltage UN	250 V
Nominal current IN	32 A

VDE Zeichengenehmigung	VDE	http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40045392

Nominal voltage UN	250 V
Nominal current IN	32 A

Accessories

Accessories

Infrastructure socket outlet

Socket Outlet - EV-T2M3SE12-3AC32A-0,7M6,0E10 - 1405214



Socket Outlet, rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), Compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Locking actuator: 12 V, 4-position, Rear panel mounting, Generation 1, “PHOENIX CONTACT” logo

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Accessories

Socket Outlet - EV-T2M3SE24-3AC32A-0,7M6,0E10 - 1405216



Socket Outlet, rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), Compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Locking actuator: 24 V, 4-position, Rear panel mounting, Generation 1, “PHOENIX CONTACT” logo

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