AC charging cable - EV-T2-PC-M3-1AC20A-4.0M2.5SBK - 1405193

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Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap, Design line 1, Type 2, IEC 62196-2, 20 A / 250 V (AC), design line D-Line, cable: 4 m, black, straight, mating face: gray, handle area: gray

Product Description

Mobile AC charging cable with Vehicle Connector and Infrastructure plug for charging electric vehicles (EV) with alternating current (AC), via type 2 Vehicle Inlets, 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 737043
GTIN	4046356737043
Weight per Piece (excluding packing)	1,558.000 g
Custom tariff number	85444290
Country of origin	Germany

Technical data

Product definition

Product type	Mobile AC charging cable with vehicle connector and infrastructure plug, with protective cap
Type	D-Line
Standards/regulations	IEC 62196-2
Charging standard	Type 2
Charging mode	Mode 3, Case B

Dimensions

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Technical data

Dimensions

Vehicle connector width	60.00 mm
Vehicle connector height	102.90 mm
Vehicle connector depth	229.60 mm
Infrastructure plug width	60.00 mm
Infrastructure plug height	102.90 mm
Infrastructure plug depth	229.60 mm
Conductor length	4 m

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; 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)
	IP44 (Protective cap)

Electrical properties

Maximum charging power	5 kW
Number of phases	1
Number of power contacts	3 (L1, N, PE)
Rated current of power contacts	20 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	680 Ω (between PE and PP)

Mechanical properties

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

Design

Design line	D-Line
Housing color	black
Mating face color	gray
Color handle area	gray
Color protective cap	black
Label	14.1 mm x 44.8 mm (customer logo on request)

Material

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Technical data

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 2.5 mm² + 1 x 0.5 mm²
Wiring standards/regulations	prEN 50620 / DIN EN 50620
Wiring class	Class 5
Wiring certifications	VDE
External cable diameter	10.2 mm ±0,3 mm
Type of conductor	straight
Outer sheath, material	TPE-U
External sheath, color	black
Minimum bending radius	153 mm (15 x diameter)

Locking

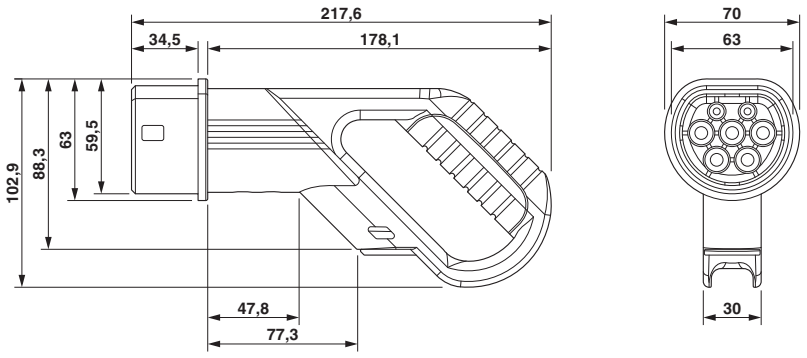
Locking type	No locking option for U-lock

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Dimensional drawing



Vehicle connector

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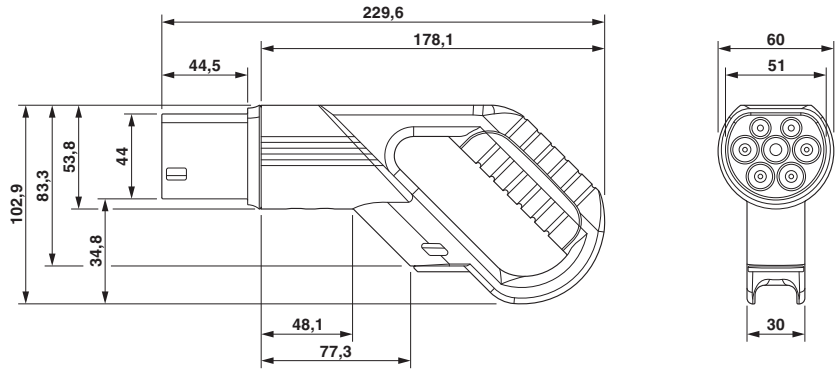
Dimensional drawing



Infrastructure plug

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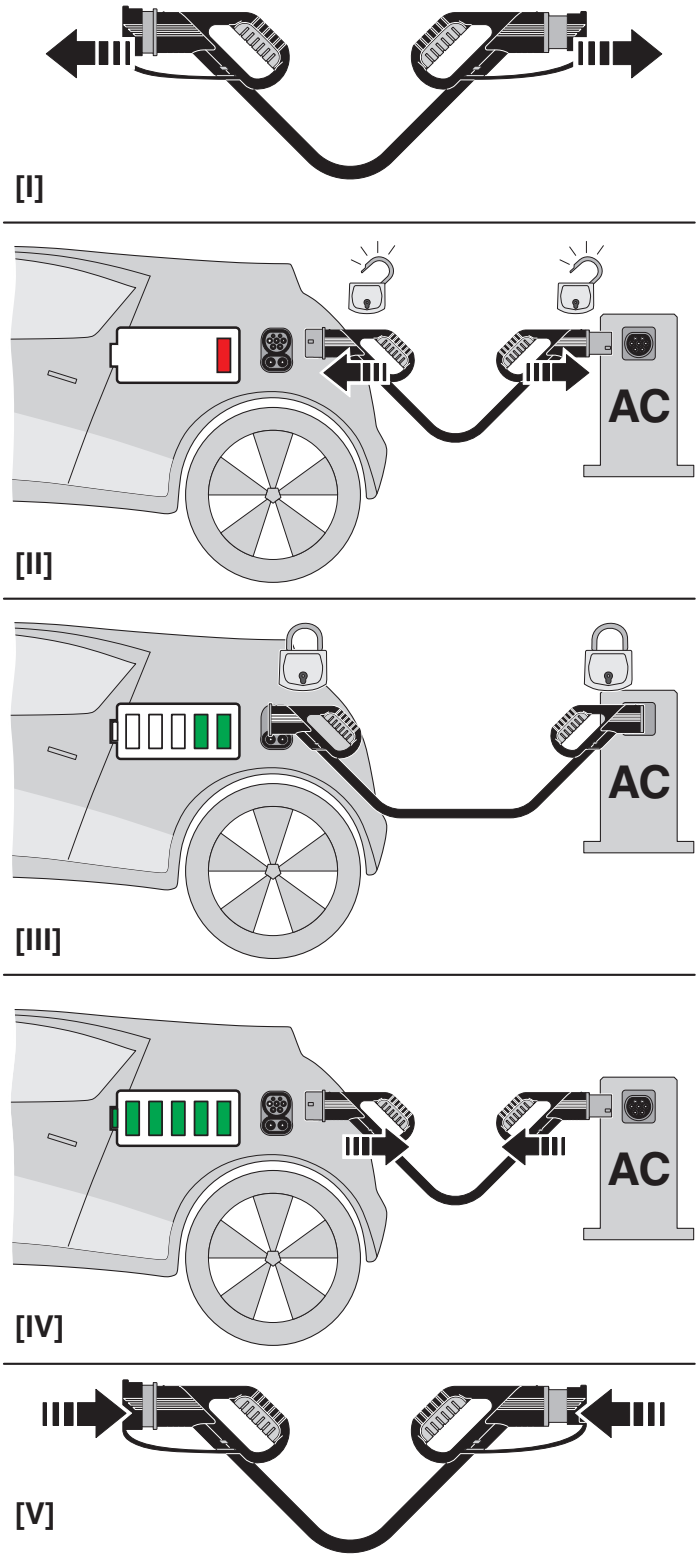
Schematic diagram



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Classifications

eCl@ss

eCl@ss 4.0	27141111
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
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	EC001121
ETIM 4.0	EC002061
ETIM 5.0	EC002839
ETIM 6.0	EC002897

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

VDE Zeichengenehmigung

Ex Approvals

Approval details

VDE Zeichengenehmigung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40038180

Nominal voltage UN	250 V
Nominal current IN	20 A
mm²/AWG/kcmil	2.5

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Accessories

Accessories

Infrastructure socket outlet

Socket Outlet - EV-T2M3SE12-3AC20A-0,7M2,5E10 - 1405213

Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 20 A / 480 V (AC), 12 V Locking actuator, Single wires, length: 0.7 m, Rear panel mounting, Rear protective cover screw connection

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Socket Outlet - EV-T2M3SE24-3AC20A-0,7M2,5E10 - 1405215

Infrastructure Socket Outlet for charging electric vehicles with alternating current (AC), compatible with Infrastructure Plugs, Type 2, IEC 62196-2, 20 A / 480 V (AC), 24 V Locking actuator, Single wires, length: 0.7 m, Rear panel mounting, Rear protective cover screw connection

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Park position

Park position - EV-T2AC-PARK - 1624148

Retainer for Vehicle Connector as parking position at charging stations (EVSE), Type 2, IEC 62196-2, Front mounting

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