Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

The figure shows a version of the product

CHARX connect, Vehicle charging inlet, Locking actuator right, For charging with direct current (DC), For installation in electric vehicles (EV), CCS type 2, Combined Charging System, IEC 62196-2, IEC 62196-3, 200 A / 1000 V (DC), length: 2 m, M6, Generation 4, A protective cap is supplied as standard for the DC contacts.

Product Description

Vehicle charging inlet for charging with direct current (DC), compatible with type 2 CCS vehicle charging connectors (EVSE), for installation in electric vehicles for electromobility (EV).

Your advantages

- Uniform, space-saving dimensions and screw connection points for all Phoenix Contact CCS vehicle charging inlets
- Silver-plated surface of the power and signal contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Material data available in the IMDS (International Material Data System of the automotive industry)
- Tested in accordance with selected tests of automotive standards LV124, LV214, LV215-2
- Manual emergency release of the locking actuator
- Integrated interlock during charging
- Integrated temperature sensors for monitoring the temperature at the power contacts

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 063151 283933
GTIN	[redacted]
Weight per Piece (excluding packing)	[redacted]
[redacted]	[redacted]g
Custom tariff number	8[redacted]
Country of origin	Germany
Sales Key	[redacted]

Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Technical data

Product definition

Type	[redacted]
[redacted]	[redacted]
	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
	[redacted]
[redacted]	[redacted]
	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Dimensions

Height	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
	[redacted]
	[redacted]
	[redacted]
	[redacted]

Ambient conditions

Ambient temperature (operation)	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
	[redacted]

Electrical properties

Charging power (nominal operation)	200 kW
Maximum charging power (boost mode)	up to 500 kW (Depending on ambient conditions. For details, see the packing slip in the download area for this item.)
Type of charging current	DC
Number of power contacts	3 (PE, DC+, DC-)
Rated current of power contacts	200 A DC
Power contacts, maximum current (boost mode)	up to 500 A DC (Depending on ambient conditions. For details, see the packing slip in the download area for this item.)
Rated voltage for power contacts	1000 V DC
Number of signal contacts	2 (CP, PP)

Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Technical data

Electrical properties

Rated current for signal contacts	2
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Mechanical properties

Insertion/withdrawal cycles	≥ [redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Mounting

Restrictions to mounting position	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Design

Design line	[redacted]
Housing color	[redacted]
[redacted]	[redacted]

Material

Material	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Locking

Locking type	[redacted]

DC cable

Cable structure	2 [redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

PE cable

Cable structure	1 [redacted]

Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Technical data

PE cable

External cable diameter	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Locking actuator cable

Cable structure	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Temperature sensor cable

Cable structure	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Cable communication

Cable structure	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Locking actuator

Number of positions of theconnectors	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Technical data

Locking actuator

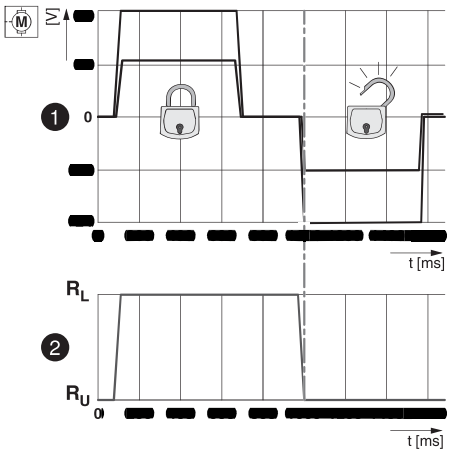
Recommended adaptation time	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

Temperature sensor technology, DC contacts

Type of sensor	P[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

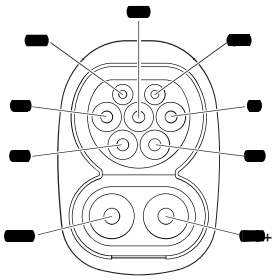
Drawings

Diagram



Locking states of the locking actuator

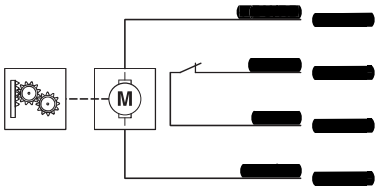
Connection diagram



Pin assignment of Vehicle Inlet

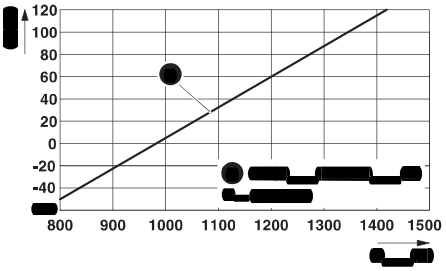
Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Block diagram

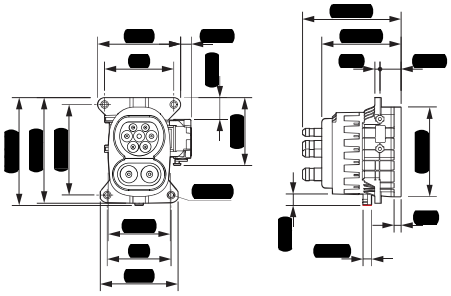


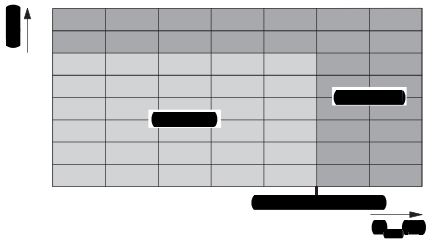
Block diagram of the locking actuator

Diagram



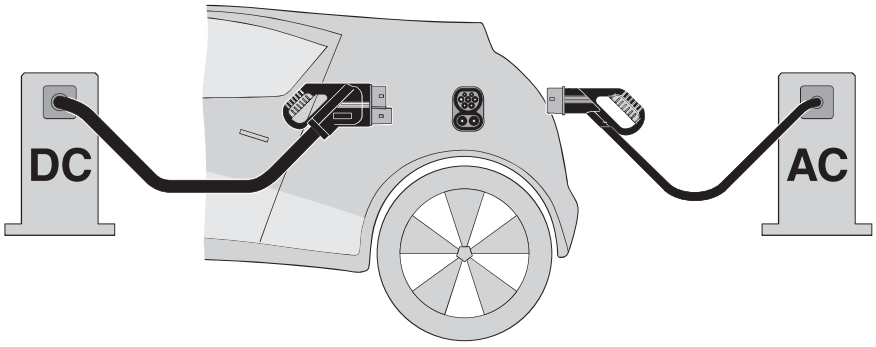
[redacted]





[redacted]

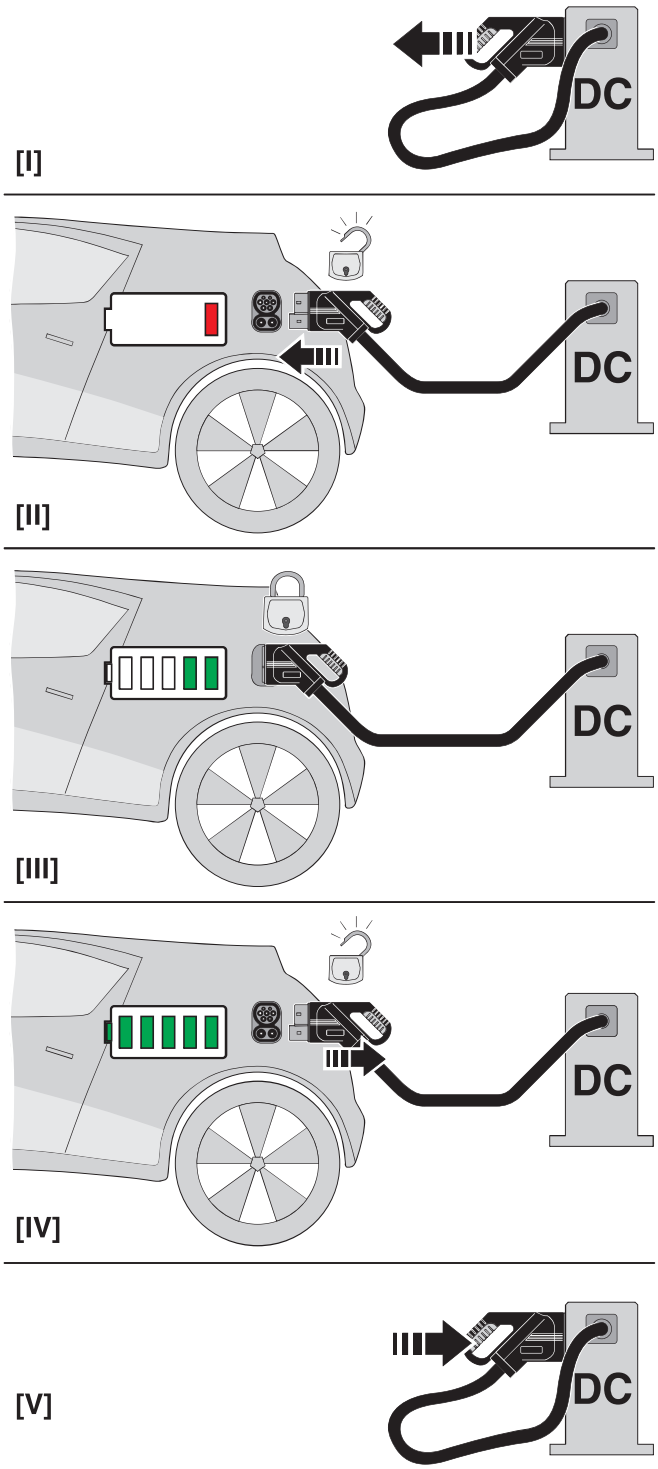
Schematic diagram



The Combined Charging System (CCS) principle - standard-compliant charging system for electric vehicles, which supports both conventional AC charging and fast DC charging. Both Vehicle Connectors fit into the CCS Vehicle Inlet.

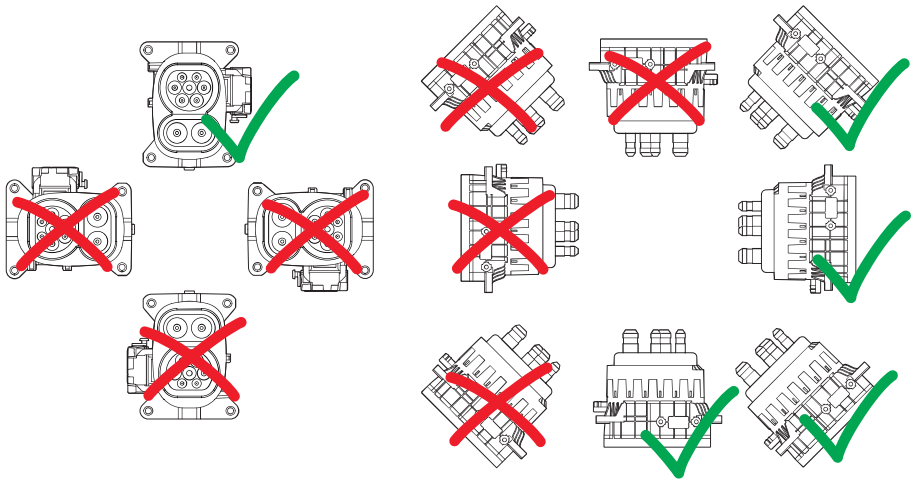
Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Schematic diagram



Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

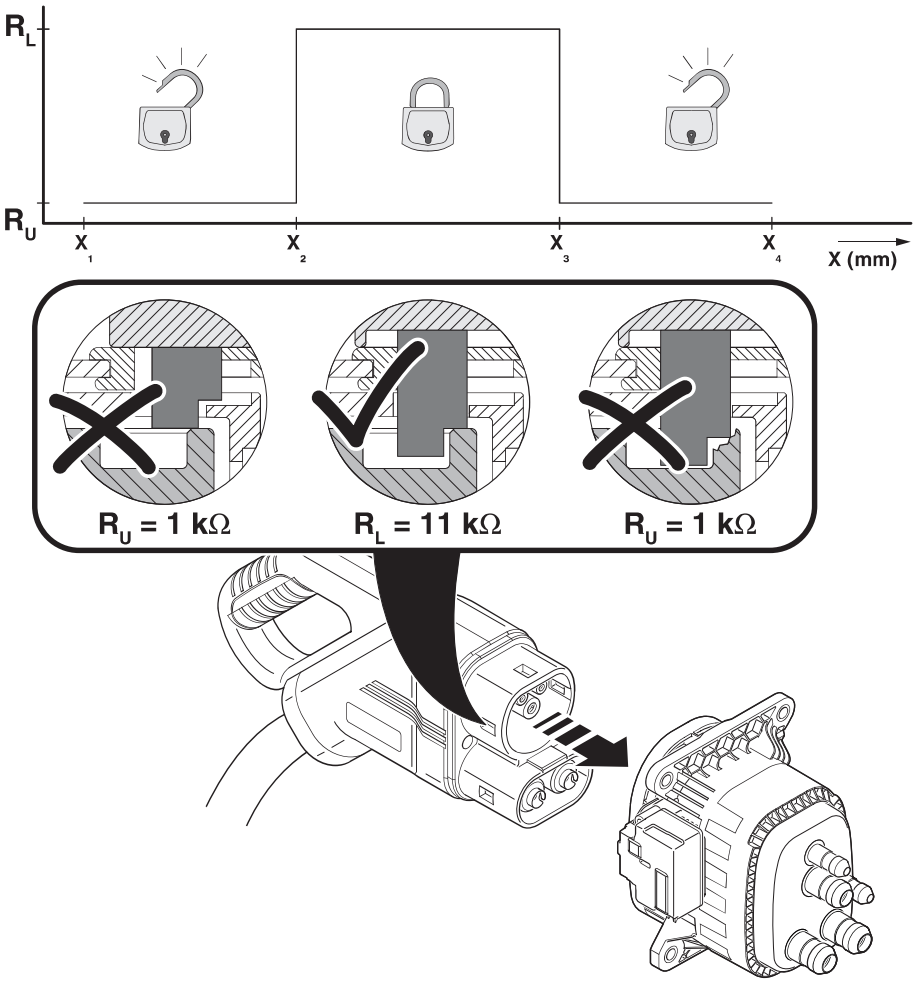
Connection diagram



Installation positions

Vehicle charging inlet - CHARX T2HBI24-DC200-2,0M2 - 1211217

Connection diagram



Detection for Vehicle Connector

Classifications

eCl@ss

eCl@ss 10.0.1	27144706
eCl@ss 11.0	27144706
eCl@ss 9.0	27144706

ETIM

ETIM 7.0	EC002898