

## Test accessories - EV-T2MBIE24-1ACDC-INFRA - 1410506

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Special Vehicle Inlet for charging station tests, CCS type 2, IEC 62196-3, 125 A / 850 V (DC), 24 V Locking actuator, Single wires, Length: 2 m

### Product Description

Special Vehicle Inlet for charging station tests, solely for laboratory tests, tests with charging stations (EVSE), and further analyses on the infrastructure side - not for installation in any type of vehicle, cannot be used outside of the laboratory area



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	4580.0 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Conductor length	2.00 m
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#### General

Product type	Special Vehicle Inlet for charging station tests
Standards/regulations	IEC 62196-3
Charging standard	CCS type 2
Charging mode	Mode 2, 3, 4

#### Features

Charging power	106 kVA
Number of phases	1
Rated current for power contacts	125 A DC
	20 A AC
Rated voltage for power contacts	250 V AC

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### Technical data

#### Features

	850 V DC
Rated current for signal contacts	2 A
Rated voltage for signal contacts	30 V AC
Type of signal transmission	Pulse width modulation
Temperature monitoring	2x Pt 1000
Number of power contacts	5 (L1, N, PE, DC+, DC-)
Number of signal contacts	2 (CP, PP)
Insertion force	< 100 N
Withdrawal force	< 100 N
Insertion/withdrawal cycles	> 10000
Ambient temperature (operation)	-30 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude difference for area of application	5000 m (above sea level)
Degree of protection	IP44 (plugged in)
	IP55 (in road position)

#### Locking actuator

Typical power supply at the motor	24 V
Possible power supply range at the motor	22 V ... 26 V
Typical motor current for locking	0.05 A
Max. reverse current of the motor	0.5 A
Max. dwell time with reverse current	1000 ms
Recommended adaptation time	600 ms
Maximum voltage for locking detection	30 V
Service life	> 10000 load cycles
Ambient temperature (operation)	-30 °C ... 50 °C
Length of cable	0.5 m

### Classifications

#### eCl@ss

eCl@ss 4.1	27260701
eCl@ss 5.1	27059110
eCl@ss 6.0	27059290
eCl@ss 8.0	27440590
eCl@ss 9.0	27144706

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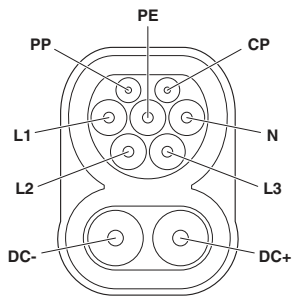
## Classifications

ETIM

ETIM 4.0	EC002498
ETIM 5.0	EC002498

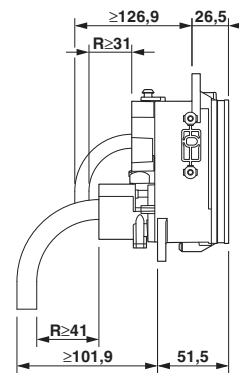
## Drawings

Connection diagram



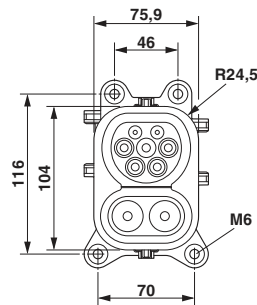
Pin assignment of Vehicle Inlet

Dimensional drawing



Dimensional drawing, side view

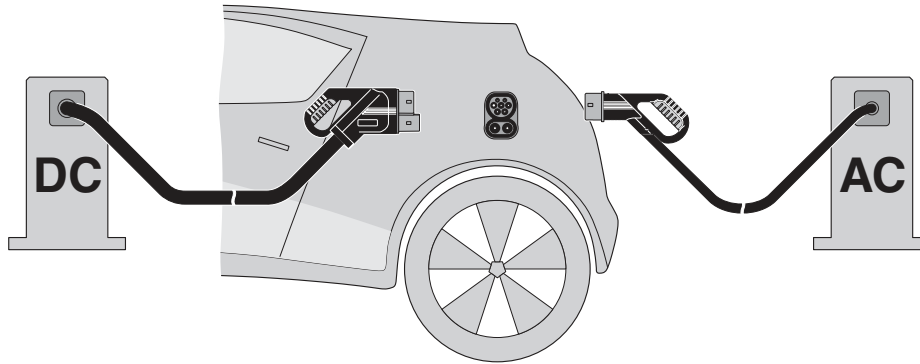
Dimensional drawing



Dimensional drawing top view

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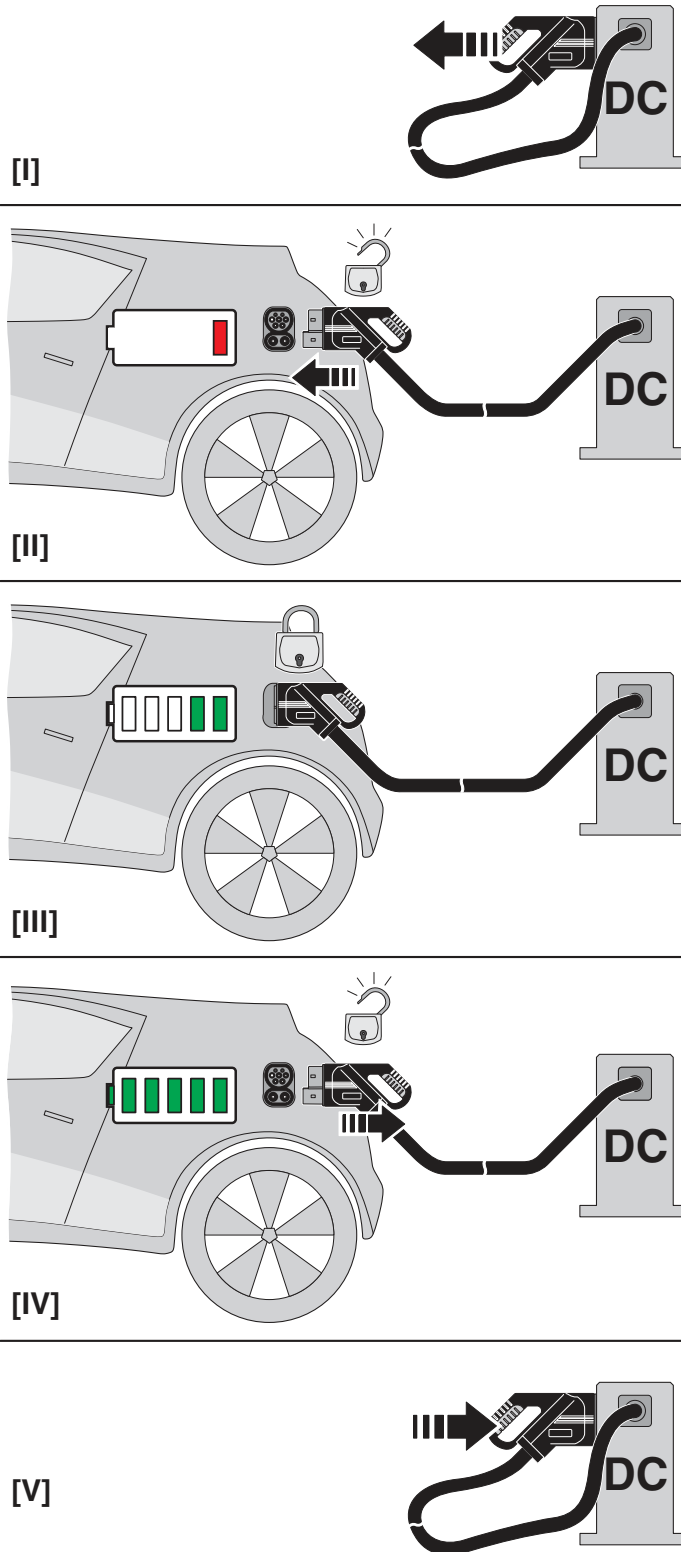
Schematic diagram



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.

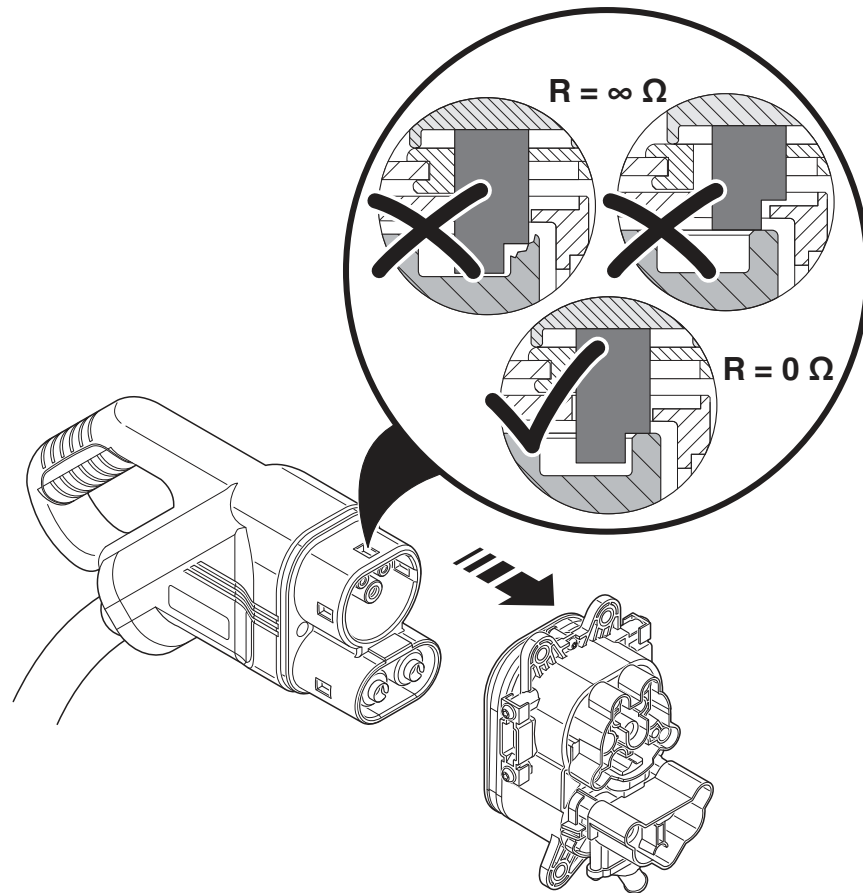
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Schematic diagram



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Schematic diagram



Detection for Vehicle Connector