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## 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 |
|------------------|--------|

#### 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 |

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

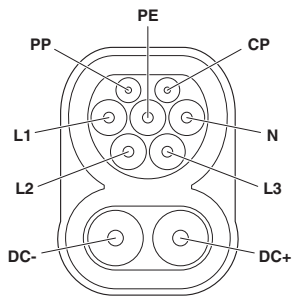
## Classifications

ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002498 |
| ETIM 5.0 | EC002498 |

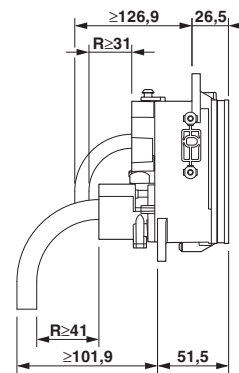
## Drawings

Connection diagram



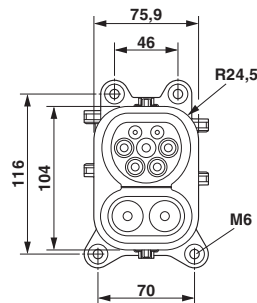
Pin assignment of Vehicle Inlet

Dimensional drawing



Dimensional drawing, side view

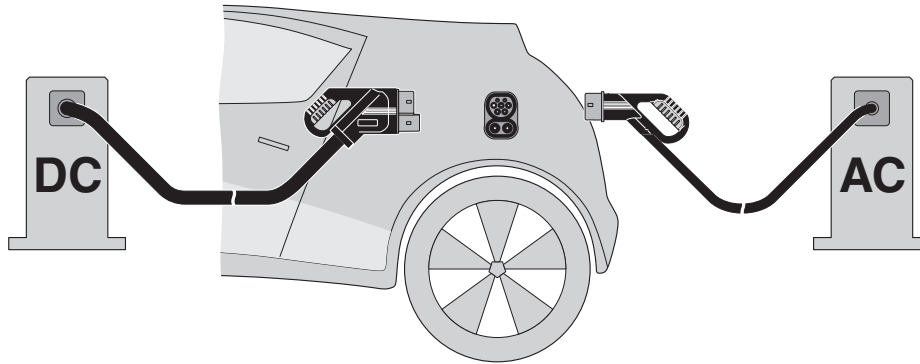
Dimensional drawing



Dimensional drawing top view

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Schematic diagram

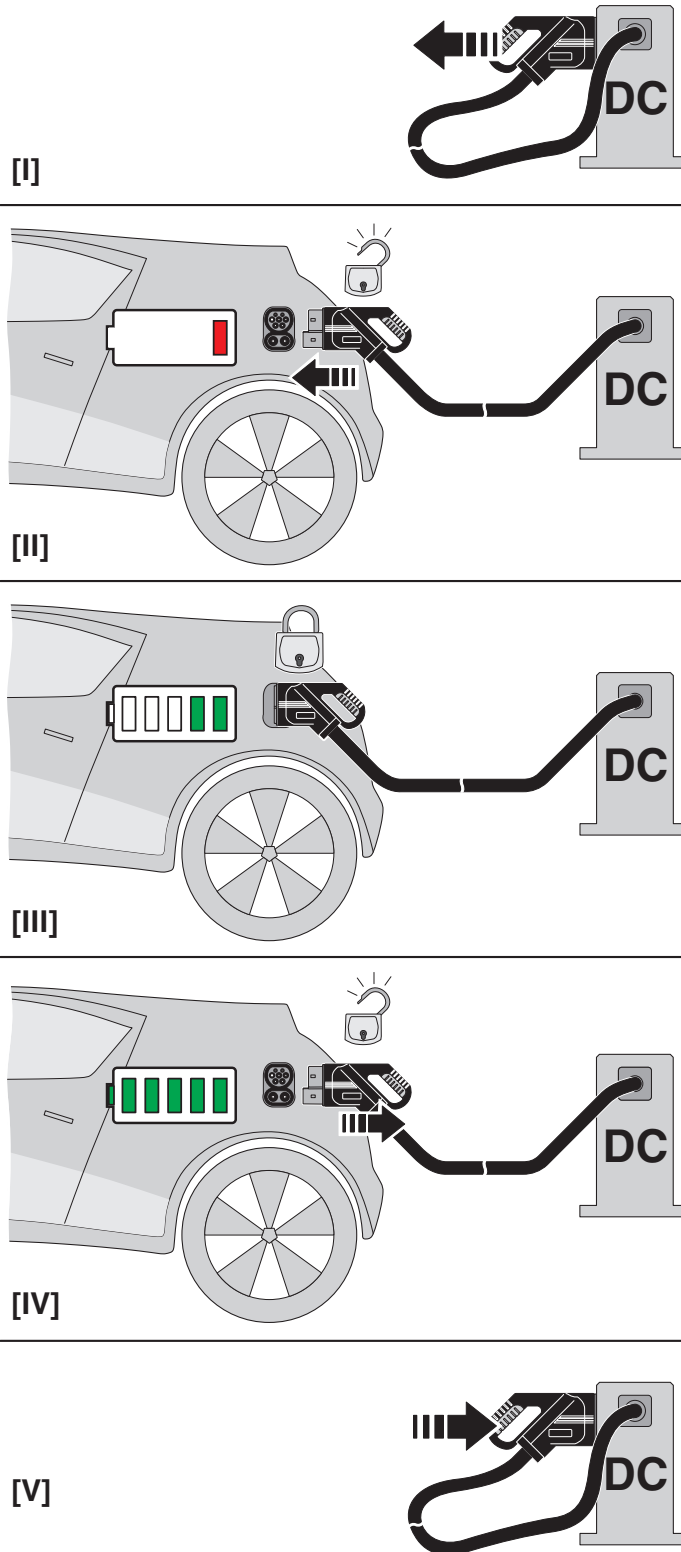


The Combined Charging System (CCS) principle - standard-compliant charging system for electric vehicles, which supports both conventional AC charging and fast DC charging. Both Vehicle Connectors fit into the CCS Vehicle Inlet.



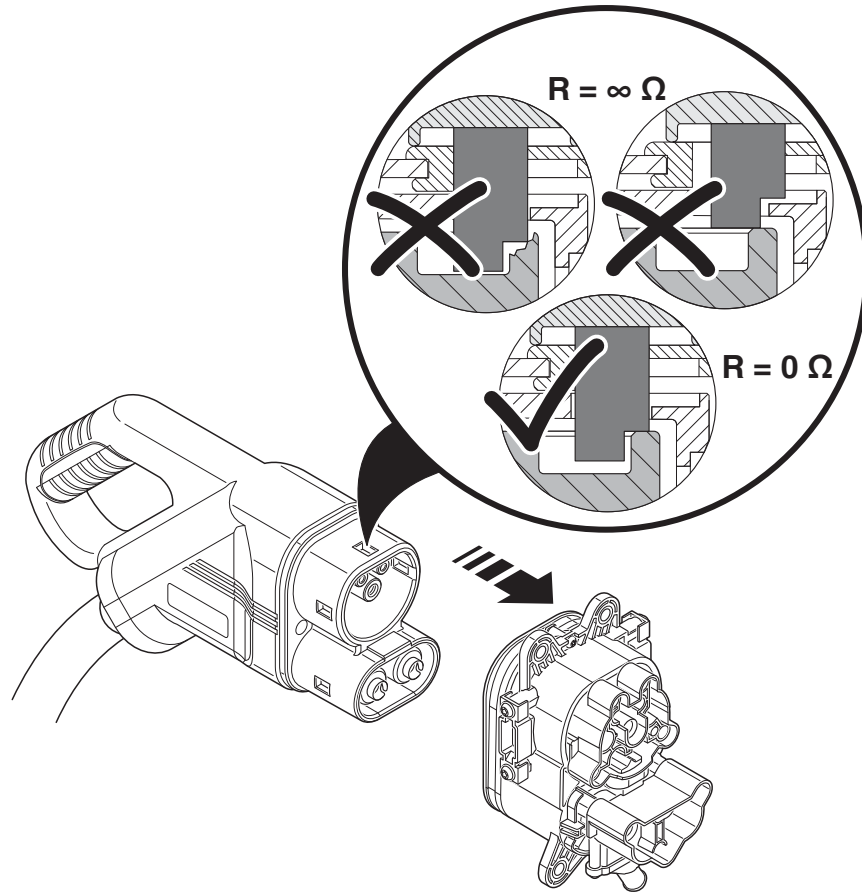
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Schematic diagram



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

Schematic diagram



Detection for Vehicle Connector