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Set - EV-SET-T2AC-BAS-RCM1-20AC5MES - 1628077

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HOME charging technology set starter kit for easy assembly of a charging station, IEC 62196-2, IEC 61851-1, Mode 3, Case C, 4 kW, 16 A, 230 V AC, cable: 5 m

Product Description

HOME charging technology set with AC charging cable, with sample assembly and installation instructions for a charging station for E-Mobility (EVSE), including recommendations for further components required (charging contactor, safety equipment), for charging electric vehicles (EV) with alternating current (AC) via Type 2 Vehicle Inlets

Your advantages

☑ Set of all Phoenix Contact charging technology products and terminal blocks with recommendations for further components required (charging contactor, safety equipment)

☑ Convenient ordering, thanks to just one order number for the set, saving you the job of putting together matching components

☑ Certified in accordance with IATF 16949:2016 and ISO 9001:2015

☑ Safe use, thanks to verified instructions regarding compatible components

☑ Stand-alone and simple setup of an AC charging station without additional development effort based on a wiring diagram

☑ Flexible application options, thanks to comprehensive configuration options and various communication interfaces for the charging controller

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 379067
GTIN	4055626379067
Weight per Piece (excluding packing)	3,467.000 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Product definition

Product type	HOME charging technology set starter kit for easy assembly of a charging station
Type	HOME

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Technical data

Product definition

Standards/regulations	IEC 62196-2
	IEC 61851-1
Charging standard	Type 2
Charging mode	Mode 3, Case C
Note	Set of all Phoenix Contact charging technology products and terminal blocks with recommendations for further components required (charging contactor, safety equipment)
	The installation and startup of this device may only be performed by an electrically skilled person. Observe the applicable national standards and regulations.
	The individual components bear a CE marking if legally required.
Number of supported charging points	1

Dimensions

Conductor length	5.00 m

Electrical properties

Type of charging current	AC single-phase
Charging power	3.7 kW
Charge current	16 A
Charging voltage	230 V AC

Charging technology set

Type of charging point	AC charging cable with Vehicle Connector, open cable end, protective cap, holder (park position)
Charging controller	Basic AC charging controller, preconfigured
Residual current monitoring module	1-channel RCM
Wiring diagram	Including download of sample E-Plan
Set consists of	1627354 EV-T2G3C-1AC20A-5,0M2,5ESBK01
	1624148 EV-T2AC-PARK
	1622459 EV-CC-AC1-M3-CC-SER-HS
	1622450 EV-RCM-C1-AC30-DC6
	3211929 PT 6-TWIN
	3211485 PT 6-TWIN BU
	3211498 PT 6-TWIN-PE
	3209510 PT 2,5
	3209523 PT 2,5 BU
	3209536 PT 2,5-PE
	3211861 PT 4-HESI (5X20)
	3030284 FBS 2-8
	3032570 FBS 3-8 BU
	3030420 D-ST 4
	3211508 D-PT 6-TWIN
	3022276 CLIPFIX 35-5

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Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Connection diagram
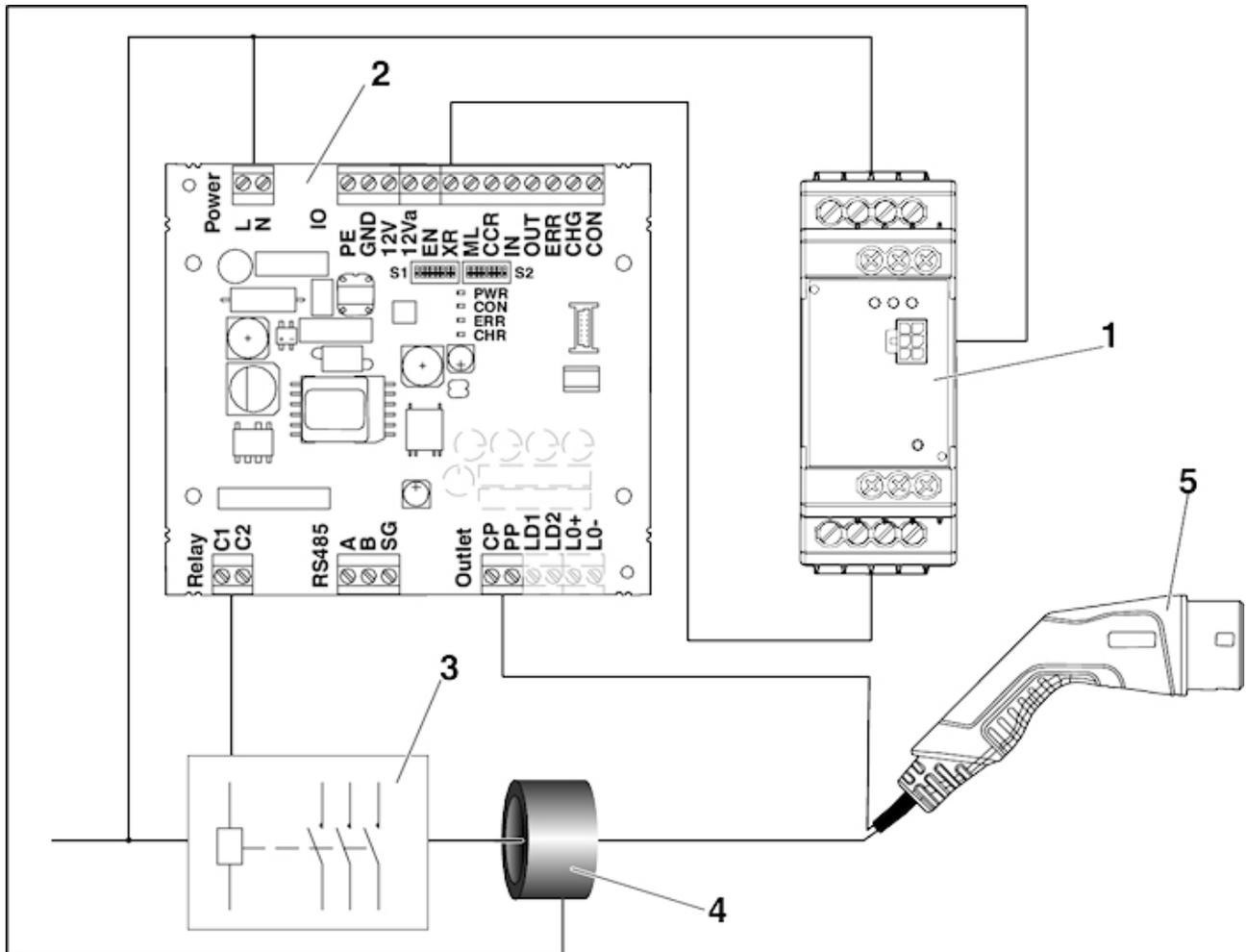
Connection drawing:
1. RCM, 2. Charging controller, 3. Charging contactor, 4. RCM sensor coil, 5. Charging cable

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Articles in set

AC charging cable - EV-T2G3C-1AC20A-5,0M2,5ESBK01 - 1627354

AC charging cable, AC charging cable with Vehicle Connector, open cable end, with protective cap, C-Line black / gray, Type 2, IEC 62196-2, 20 A / 250 V (AC), design line C-Line, cable: 5 m, black, straight, mating face: black, handle area: gray

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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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AC charging controller - EV-CC-AC1-M3-CC-SER-HS - 1622459

The EV-CC-AC1-M3-CBC-SER-HS charging controller with housing for DIN rail mounting is used for charging electric vehicles at 3-phase AC networks according to IEC 61851-1, Mode 3. Optimized for charging stations with permanently mounted Vehicle Connector. All charging functions and comprehensive configuration settings are already integrated.

Differential current monitoring - EV-RCM-C1-AC30-DC6 - 1622450

The residual current module is used for AC and DC residual current detection in AC charging points. The higher-level safety equipment (e.g., residual current circuit breaker) is protected against potential DC residual currents. A 1 or 2-channel product version is available.

Feed-through terminal block - PT 6-TWIN - 3211929

Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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Articles in set

Feed-through terminal block - PT 6-TWIN BU - 3211485

Feed-through terminal block, nom. voltage: 1000 V, nominal current: 41 A, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Ground modular terminal block - PT 6-TWIN-PE - 3211498

Ground modular terminal block, connection method: Push-in connection, number of connections: 3, cross section: 0.5 mm² - 10 mm², AWG: 20 - 8, width: 8.2 mm, height: 42.2 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5 - 3209510

Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

Feed-through terminal block - PT 2,5 BU - 3209523

Feed-through terminal block, nom. voltage: 800 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, number of positions: 1, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: blue, mounting type: NS 35/7,5, NS 35/15

Ground modular terminal block - PT 2,5-PE - 3209536

Ground modular terminal block, connection method: Push-in connection, number of connections: 2, cross section: 0.14 mm² - 4 mm², AWG: 26 - 12, width: 5.2 mm, height: 35.3 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15

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Articles in set

Fuse modular terminal block - PT 4-HESI (5X20) - 3211861

Fuse modular terminal block, fuse type: Glass / ceramics / ..., connection method: Push-in connection, cross section: 0.2 mm²- 6 mm², AWG: 24 - 10, nominal current: 6.3 A, nom. voltage: 500 V, width: 6.2 mm, fuse type: G / 5 x 20, mounting type: NS 35/7,5, NS 35/15, color: black

Plug-in bridge - FBS 2-8 - 3030284

Plug-in bridge, pitch: 8.2 mm, width: 14.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-8 BU - 3032570

Plug-in bridge, pitch: 8.2 mm, width: 22.9 mm, number of positions: 3, color: blue

End cover - D-ST 4 - 3030420

End cover, length: 55.9 mm, width: 2.2 mm, height: 29 mm, color: gray

End cover - D-PT 6-TWIN - 3211508

End cover, length: 74 mm, width: 2.2 mm, height: 36 mm, color: gray

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Articles in set

End clamp - CLIPFIX 35-5 - 3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

Classifications

eCl@ss

eCl@ss 10.0.1	27144792
eCl@ss 9.0	27144792

ETIM

ETIM 5.0	EC001321
ETIM 6.0	EC002884
ETIM 7.0	EC002884