

EV-GBM3S-1AC32A-0,7M6,0E00 - Infrastructure charging socket



1408169

<https://www.phoenixcontact.com/us/products/1408169>

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CHARX connect basic, GB/T, Infrastructure charging socket, 32 A, 250 V AC, Single wires, length: 0.7 m, square, Front and rear mounting, housing: black, for charging electric vehicles with alternating current (AC), GB/T 20234.2-2015, NOTE This product version does not include a locking actuator.

Product description

Infrastructure charging socket for charging electric vehicles (EV) with alternating current (AC), compatible with GB/T Infrastructure Plugs, for installation at charging stations for E-Mobility (EVSE)

Your advantages

- Complete product range
- Uniform, space-saving installation space
- Available with your logo on request - for consistent branding of your charging station
- Integrated interlock during charging
- Manual emergency release of the locking actuator
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001

Commercial data

Item number	1408169
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBFB
GTIN	4046356856010
Weight per piece (including packing)	0.59 g
Weight per piece (excluding packing)	400 g
Country of origin	CN

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Technical data

Notes

General	NOTE This product version does not include a locking actuator.
General	Make sure that the Infrastructure Plug is locked into the Infrastructure Socket Outlet during the charging process according to IEC 61851-1. We recommend using our locking actuators (1624129, 1622317). If another type of locking is selected, we recommend sealing the mounting surface (1621465), see also accessories.

Product properties

Product type	Infrastructure charging socket
Product family	CHARX connect basic
Application	for charging electric vehicles with alternating current (AC)
Type	square
Charging standard	GB/T
Charging mode	Mode 3, Case B
Customer variations	On request

Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
Charging power and current (AC charging (1-phase))	
Type of charging current	AC single-phase
Charging current	32 A AC (1-phase)
Charging power	8 kW (1-phase)
Charging power rating	7.4 kW
Rated voltage	250 V

Pin assignment (Leistungskontakte)	
Number	3 (L1, N, PE)
Rated voltage	250 V AC
Rated current	32 A

Pin assignment (Signalkontakte)	
Type of signal transmission	Pulse width modulation
Number	2 (CP, CC)
Rated voltage	30 V AC
Rated current	2 A

Locking actuator	
Locking actuator	without locking actuator

Dimensions

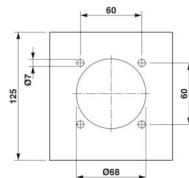
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Dimensional drawing



Max. wall thickness

< 51.80 mm (Front mounting)

> 57.00 mm (Rear panel mounting)

Bore dimensions

60 mm x 60 mm

Installation dimensions

Maximum required installation depth

< 5.00 mm (Rear panel mounting)

< 10.00 mm (Front mounting)

Material specifications

Color (Housing)

black (9005)

Material (Housing)

Plastic

Material (Contact surface)

Silver

Flammability rating according to UL 94

V0 ()

Cable/line

Cable length

0.7 m

Cable type

Single wires

Cable structure

3 x 6.0 mm² + 2 x 0.5 mm²

Single wire, cross section

6.00 mm²

Single-core wires for AC

Cable length

0.7 m

Mechanical properties

Mechanical data

Insertion/withdrawal cycles

> 10000

Insertion force

< 100 N

Withdrawal force

< 100 N

Environmental and real-life conditions

Ambient conditions

Degree of protection (Infrastructure charging socket)

IP55 (plugged in)

Ambient temperature (operation)

-30 °C ... 50 °C

Ambient temperature (storage/transport)

-40 °C ... 80 °C

Altitude

5000 m (above sea level)

Standards and regulations

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Standards

Standards/regulations

GB/T 20234.2-2015

Mounting

Mounting type Infrastructure charging socket	Front and rear mounting (0 to 90 degree frontal inclination possible)
Mounting type Protective cover	rear (available separately)
Mounting hole diameter	7.00 mm (ø)

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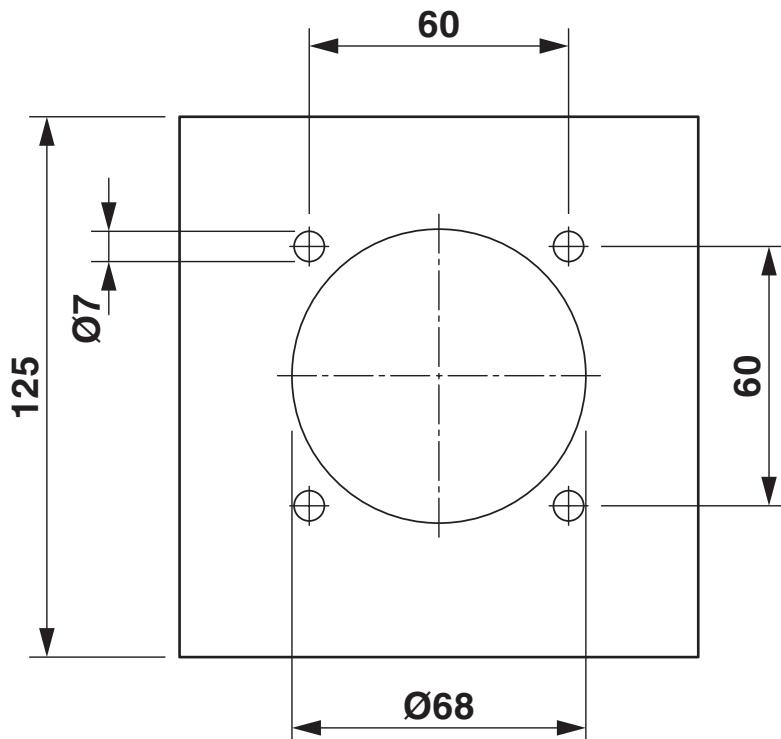


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Drawings

Dimensional drawing



Hole image

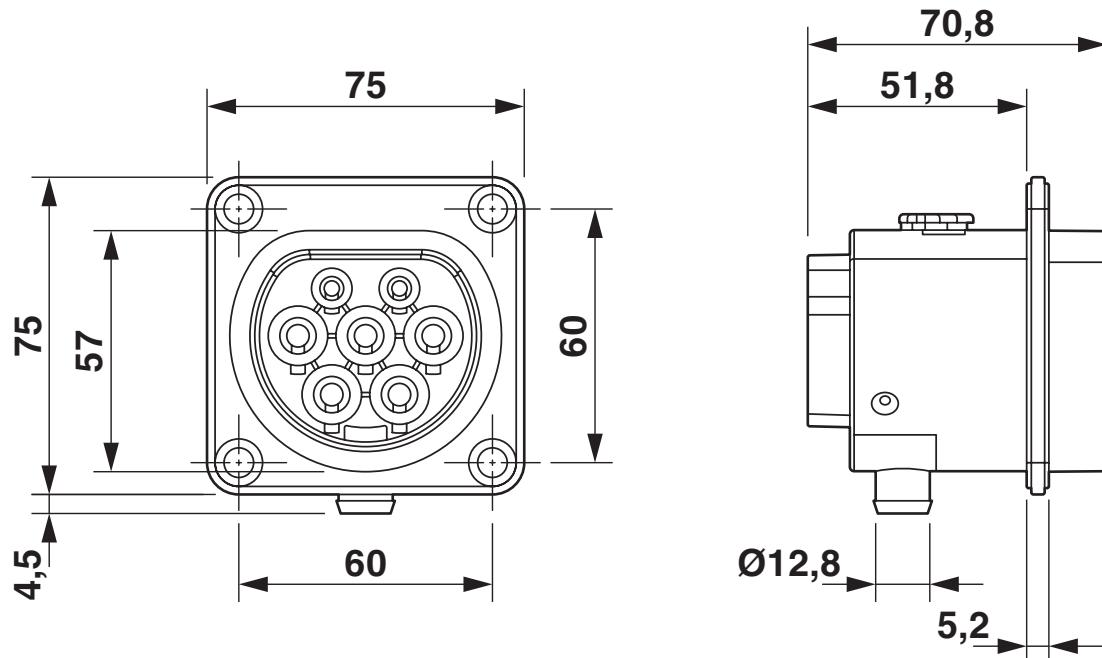
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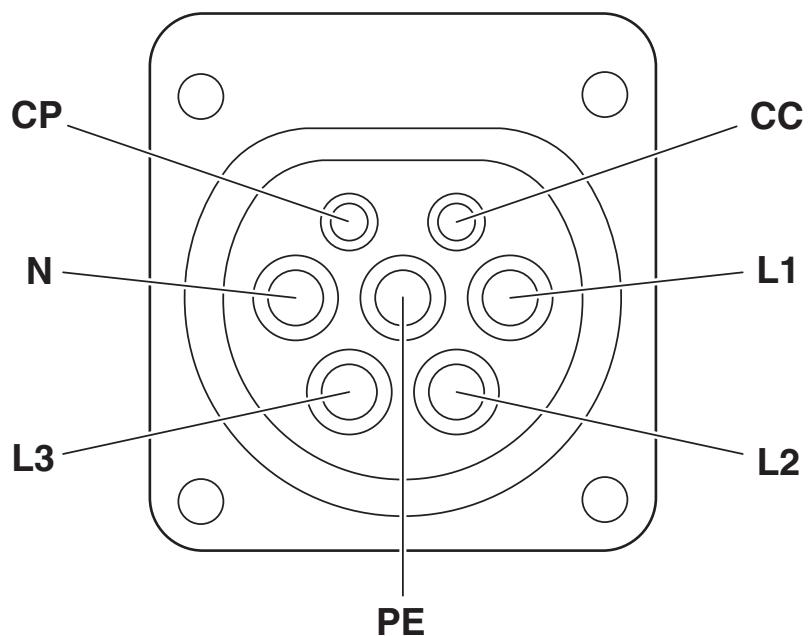
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Dimensional drawing



Dimensional drawing

Connection diagram



Pin assignment of infrastructure charging socket

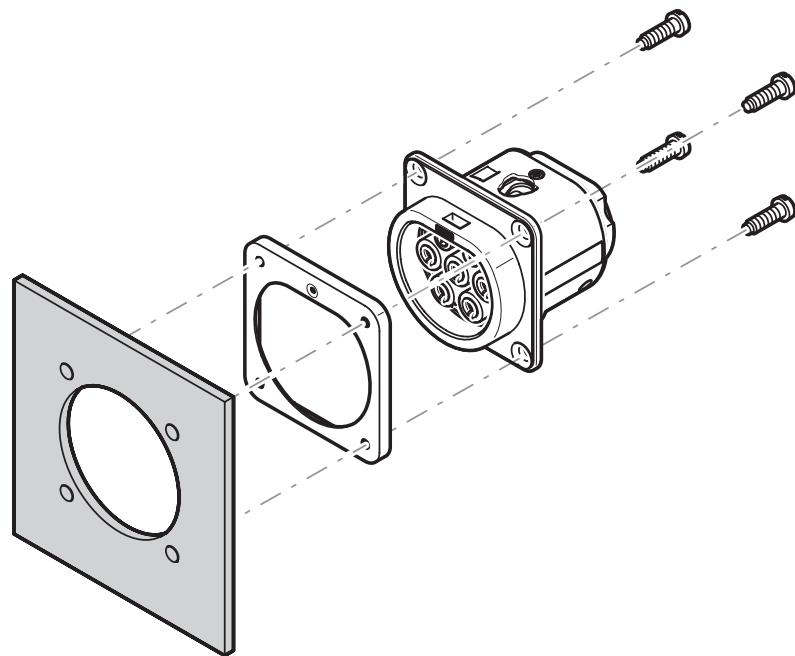
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Schematic diagram



Rear mounting

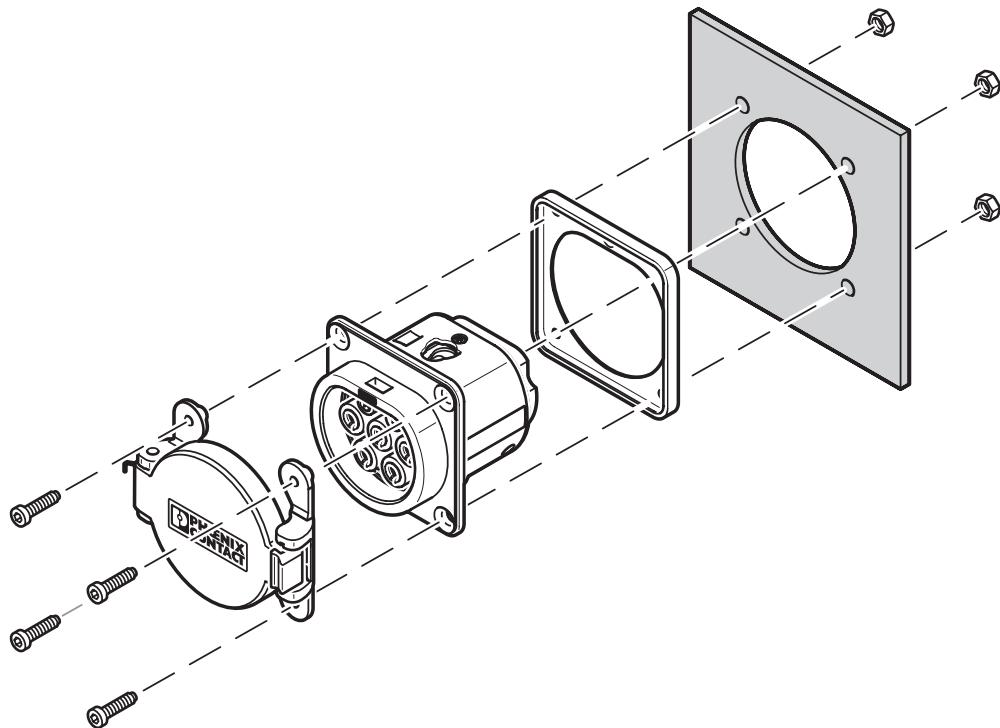
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Schematic diagram



Front mounting with rear protective cover screw connection

The screw connection for a protective cover from the accessories range (EV-GBSC...) only supports rear mounting.

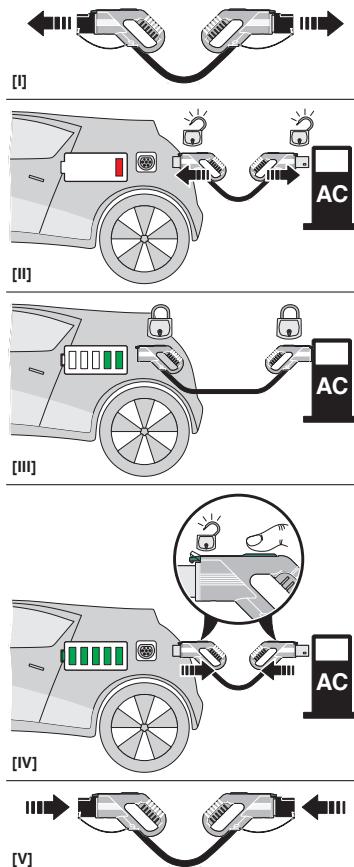
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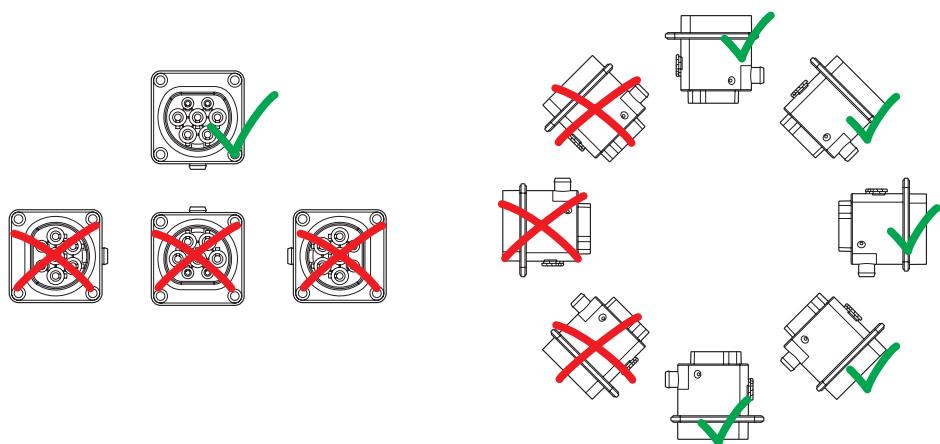
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Schematic diagram



Operating instructions

Schematic diagram



Installation positions

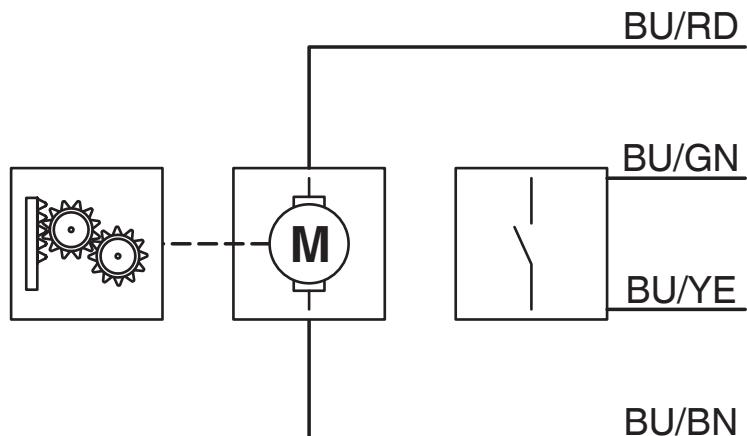
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Block diagram



Block diagram of the locking actuator

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Classifications

ECLASS

ECLASS-13.0	27144706
ECLASS-15.0	27144706

ETIM

ETIM 9.0	EC002898
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UNSPSC

UNSPSC 21.0	39121800
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-10
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com