

# EV-GBM3S-3AC32A-0,7M6,0E00 - Infrastructure charging socket



1408170

<https://www.phoenixcontact.com/us/products/1408170>

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CHARX connect basic, GB/T, Infrastructure charging socket, 32 A , 440 V AC, Gen 1, Single-core wires connected at one end, 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	1408170
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBFBA
GTIN	4046356856041
Weight per piece (including packing)	699 g
Weight per piece (excluding packing)	699 g
Customs tariff number	85444290
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
Type	Gen 1
Charging standard	GB/T
Charging mode	Mode 3, Case B
Design (Infrastructure charging socket)	square
Customer variations	On request

### Electrical properties

Note on the connection method	Crimp connection, cannot be disconnected
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#### Charging power and current (AC charging, 3-phase)

Type of charging current	AC 3-phase
Charging current	32 A AC (3-phase)
Charging power	26.6 kW (3-phase)
Charging power rating	22 kW (32 A, 3-phase)
Operating voltage	typ. 380 V AC

#### Pin assignment (Power contacts)

Number	5 (L1, L2, L3, N, PE)
Rated voltage	440 V AC
Rated current	32 A

#### Pin assignment (Signal contacts)

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
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## Dimensions

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## Infrastructure charging socket

Dimensional drawing	<p>Dimensional drawing</p>
Width	75 mm
Height	96 mm
Depth	76.2 mm

## Bore dimensions

Dimensional drawing	<p>Hole image</p>
Width	60 mm
Height	60 mm

## 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-core wires connected at one end
Cable structure	5x 6.0 mm <sup>2</sup> + 2x 0.5 mm <sup>2</sup>
Single wire, cross section	6.00 mm <sup>2</sup>

## Single-core wires for AC

Cable length	0.7 m
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	> 10000
Insertion force	< 100 N

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Withdrawal force	< 100 N
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## 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

### Standards

Standards/regulations	GB/T 20234.2-2015
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## 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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## Drawings

Dimensional drawing



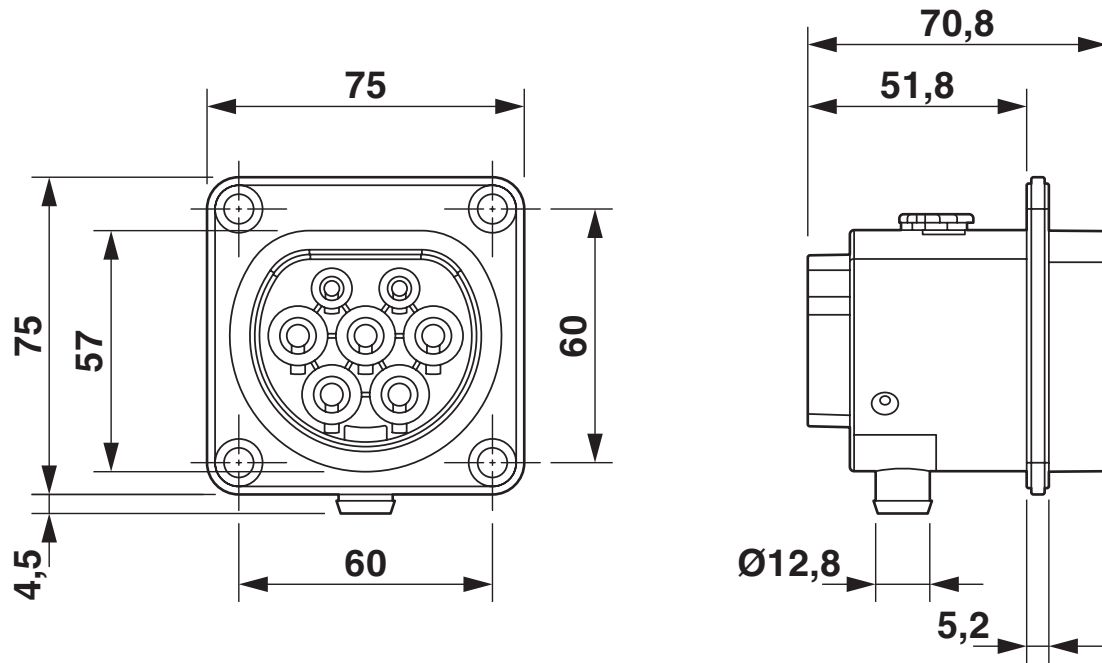
Hole image

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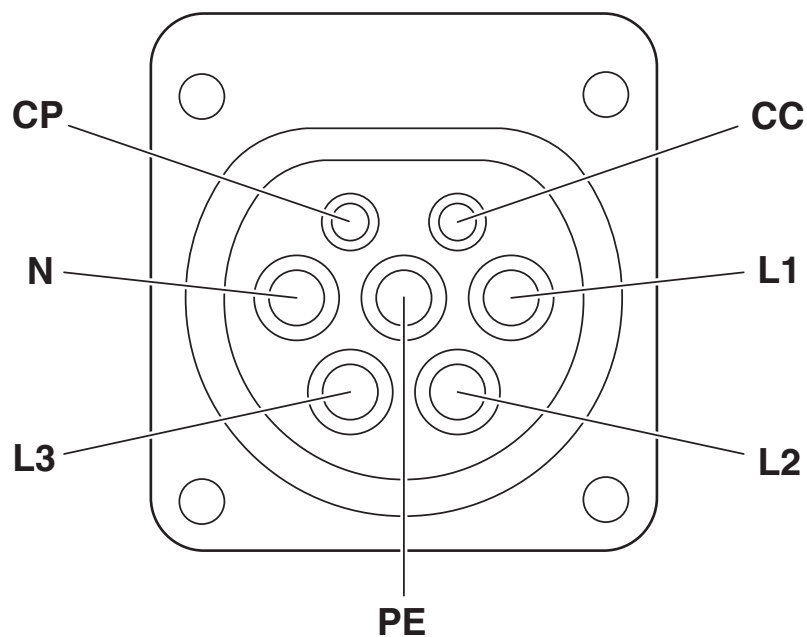
<https://www.phoenixcontact.com/us/products/1408170>

Dimensional drawing



Dimensional drawing

Connection diagram



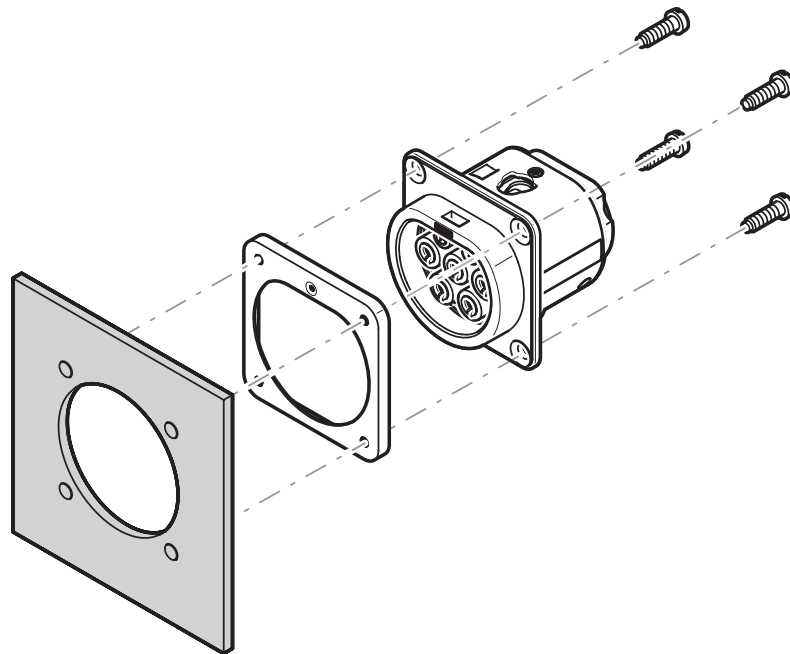
Pin assignment of infrastructure charging socket

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Schematic diagram



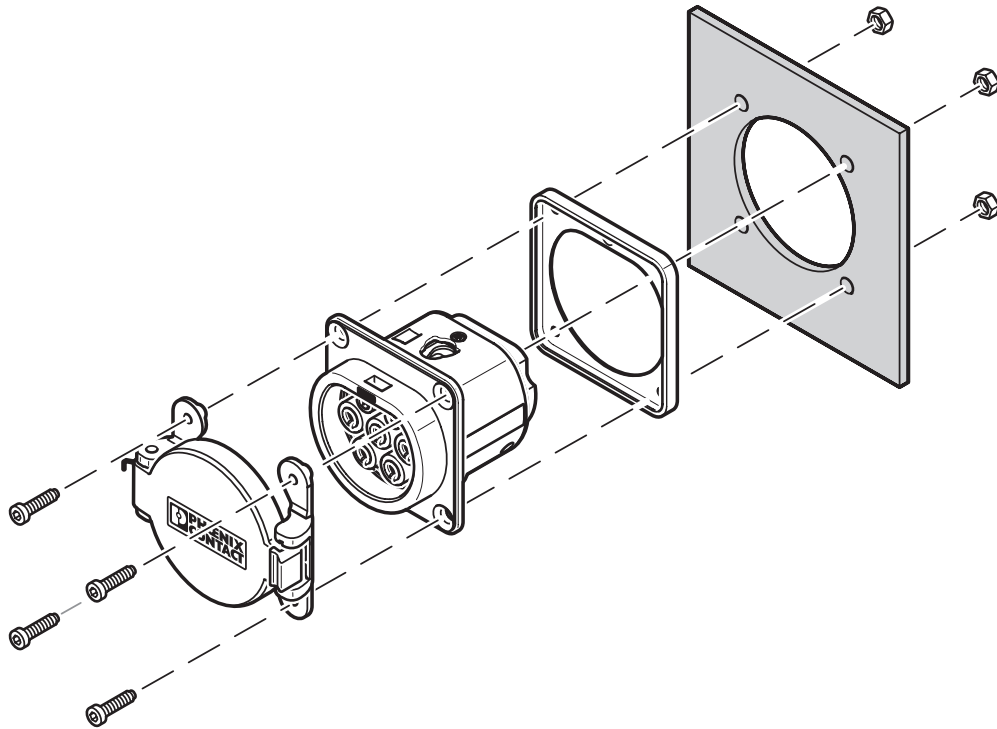
Rear mounting

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Schematic diagram



Front mounting with rear protective cover screw connection

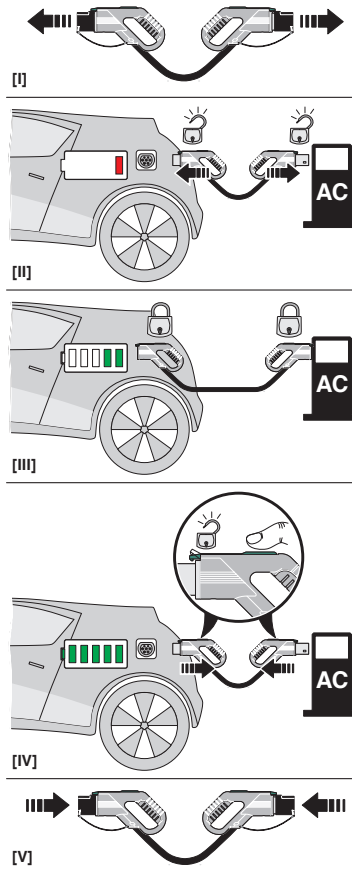
The screw connection for a protective cover from the accessories range (EV-GBSC...) only supports rear mounting.

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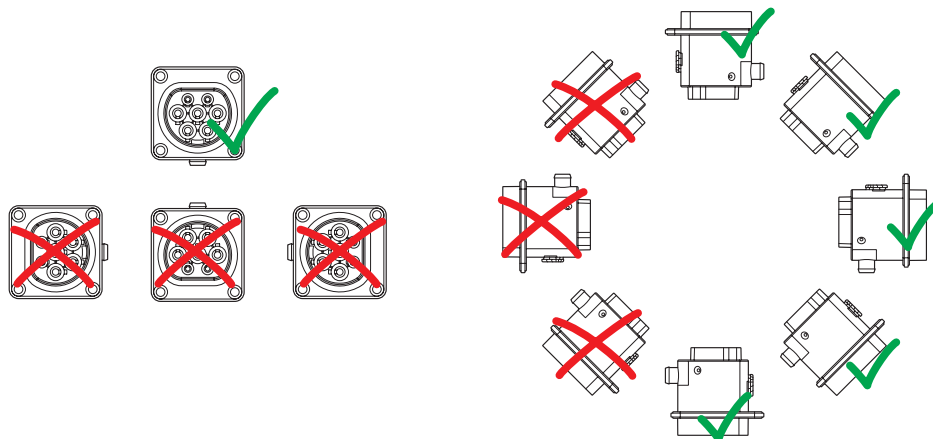
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## Schematic diagram



## Operating instructions

### Schematic diagram



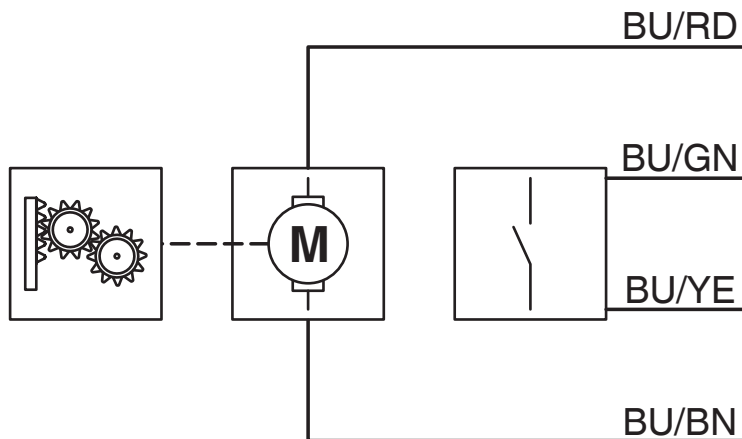
## Installation positions

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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 10.0	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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