

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, 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 | 1408169 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | XWBFBA |
| GTIN | 4046356856010 |
| Weight per piece (including packing) | 400 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 |
| 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 |
|-------------------------------|--|

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 (32 A, 1-phase) |
| Operating voltage | typ. 220 V AC |

Pin assignment (Power contacts)

| | |
|---------------|---------------|
| Number | 3 (L1, N, PE) |
| Rated voltage | 250 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 |
|------------------|--------------------------|

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 | 3 x 6.0 mm ² + 2 x 0.5 mm ² |
| Single wire, cross section | 6.00 mm ² |

Single-core wires for AC

| | |
|--------------|-------|
| Cable length | 0.7 m |
|--------------|-------|

Mechanical properties

Mechanical data

| | |
|-----------------------------|---------|
| Insertion/withdrawal cycles | > 10000 |
| Insertion force | < 100 N |

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| | |
|------------------|---------|
| 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

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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Drawings

Dimensional drawing



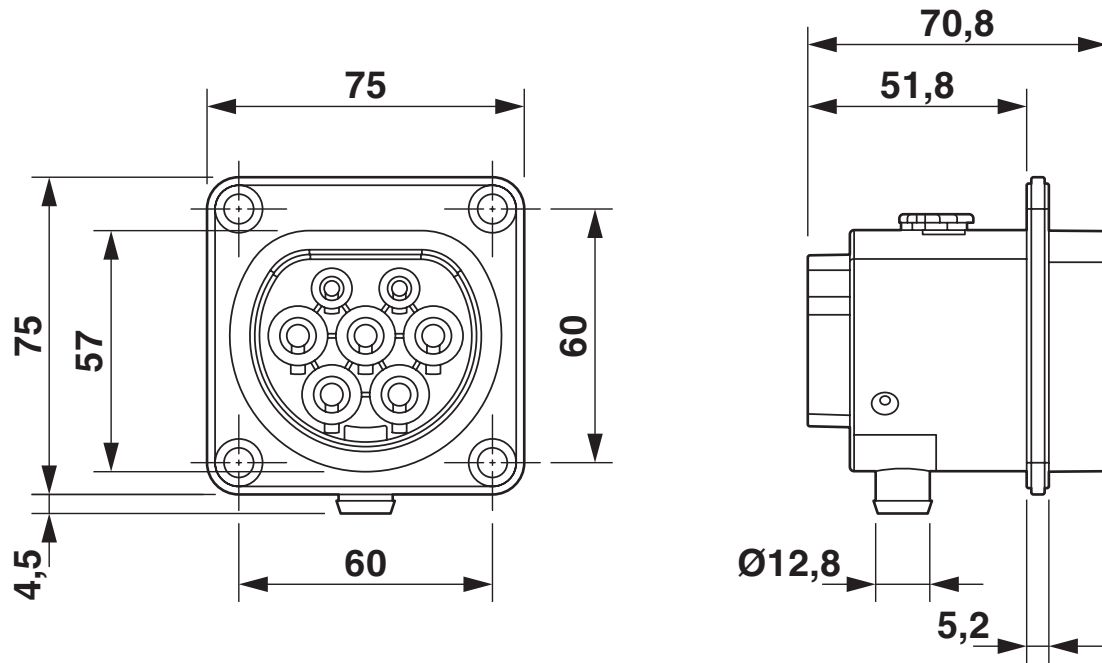
Hole image

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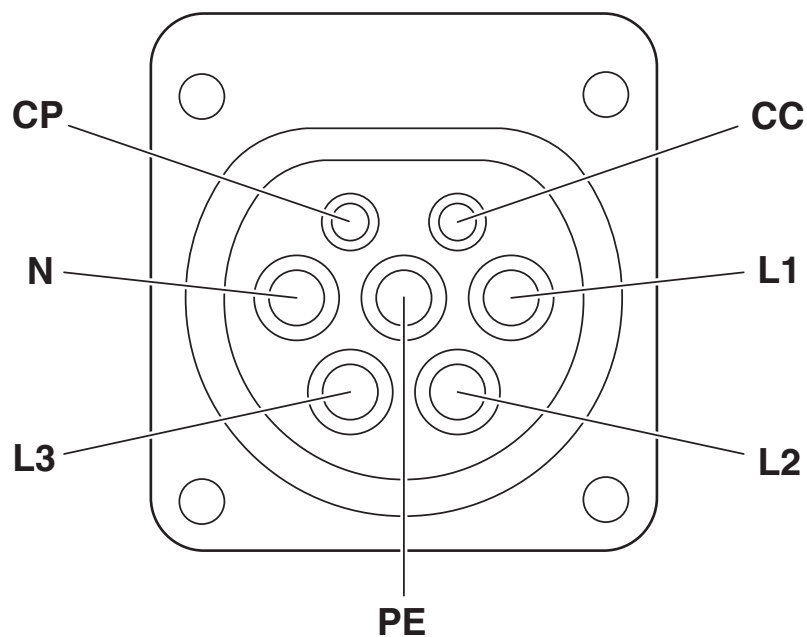
<https://www.phoenixcontact.com/us/products/1408169>

Dimensional drawing



Dimensional drawing

Connection diagram



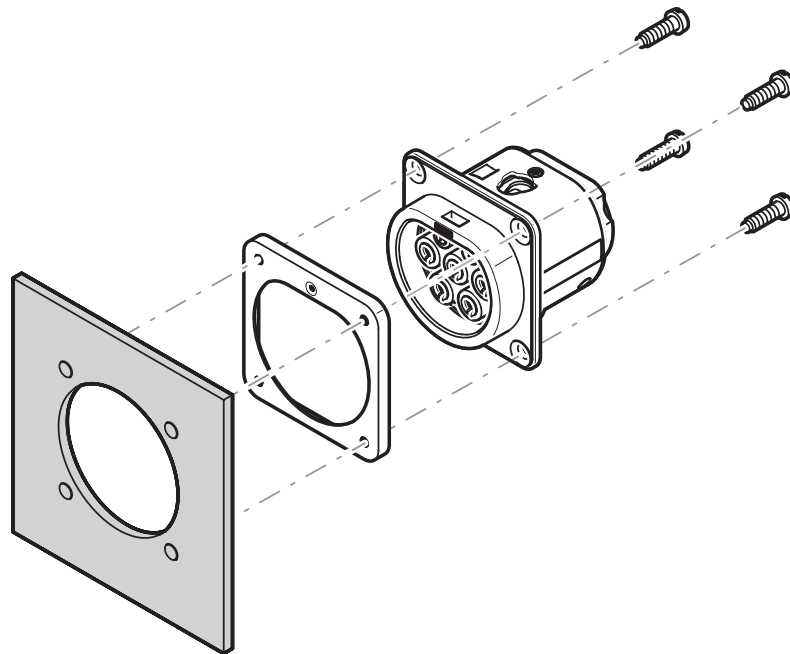
Pin assignment of infrastructure charging socket

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Schematic diagram



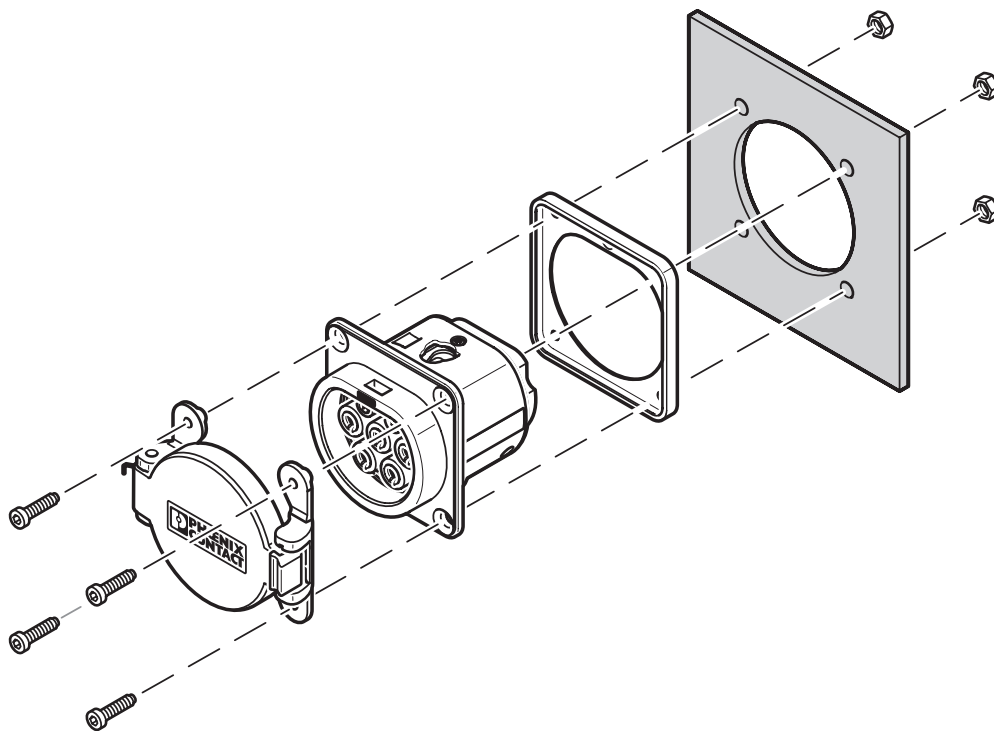
Rear mounting

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Schematic diagram



Front mounting with rear protective cover screw connection

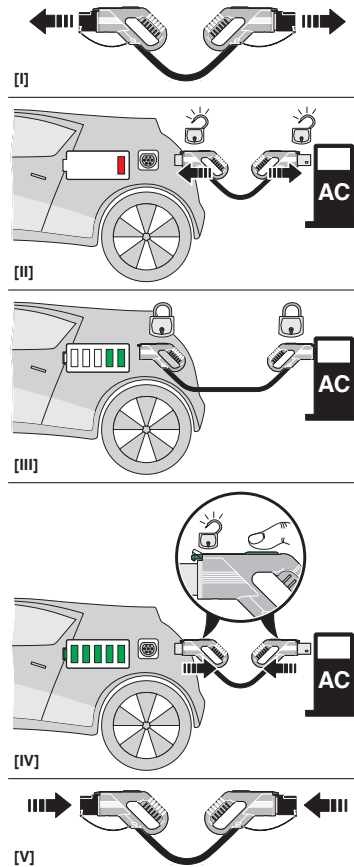
The screw connection for a protective cover from the accessories range (EV-GBSC...) only supports rear mounting.

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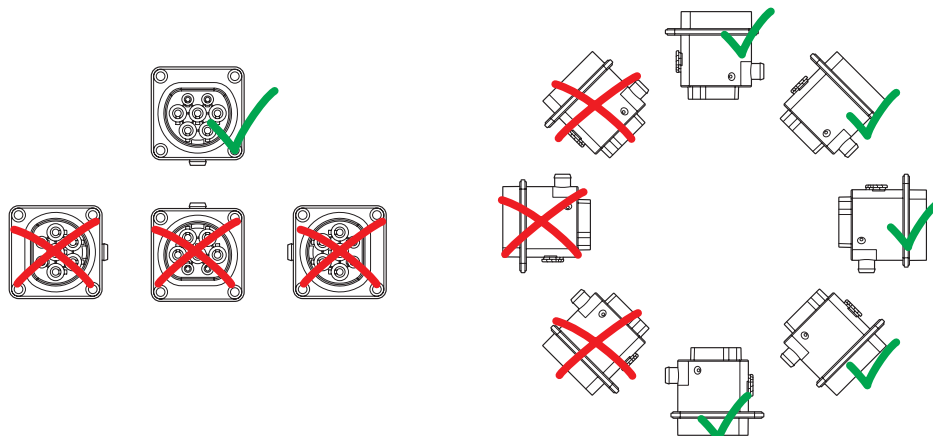
<https://www.phoenixcontact.com/us/products/1408169>

Schematic diagram



Operating instructions

Schematic diagram



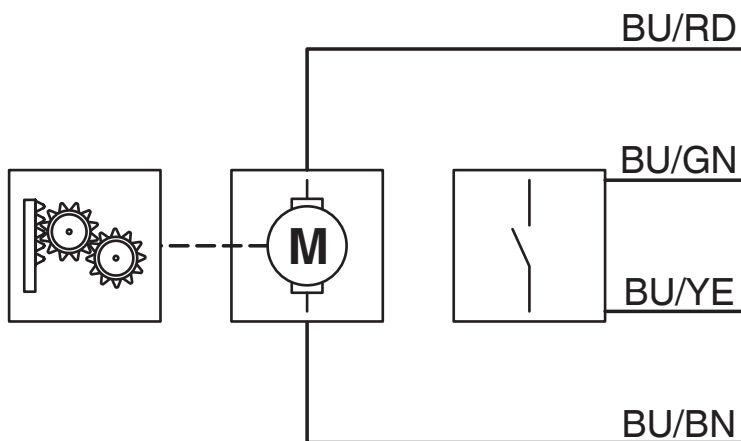
Installation positions

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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 |
|-----------|----------|

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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