EV-T2M3SO-00-B - Infrastructure charging socket

1286399

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CHARX connect modular, Type 2, Infrastructure charging socket, 32 A , 480 V AC, Basic, without single-core wires, square, Rear panel mounting, M5 thread, housing: black, without locking actuator, for charging electric vehicles (EV) with alternating current (AC), PHOENIX CONTACT logo, IEC 62196-2, 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 type 2 Infrastructure Plugs, for installation at charging stations for E-Mobility (EVSE)

Your advantages

- Protected against overheating with precise temperature measurement
- Flexible mounting and easy maintenance with plug-in cables
- Available with your logo on request - for consistent branding of your charging station
- Waterproof and dirtproof due to fully molded contacts
- Developed and produced in accordance with the IATF 16949 automotive standard and ISO 9001
- Uniform, space-saving installation space

Commercial data

Item number	1286399
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBFLA
GTIN	4063151511371
Weight per piece (including packing)	340 g
Weight per piece (excluding packing)	75.6 g
Customs tariff number	85366990
Country of origin	DE

Set consists of

EV-T2M3SO-CAP - Protective cap

1202424

https://www.phoenixcontact.com/us/products/1202424



CHARX connect modular, Type 2, Protective cap, Accessories, circular, for strain relief and touch protection, IEC 62196-2

Technical data

Notes

General	NOTE This product version does not include a locking actuator.

Product properties

Product type	Infrastructure charging socket
Product family	CHARX connect modular
Application	for charging electric vehicles (EV) with alternating current (AC)
	compatible with infrastructure charging plugs
Design (Infrastructure charging socket)	square
Design (Protective cap)	circular
Design	without locking actuator
Charging standard	Type 2
Charging mode	Mode 3, Case B
Affixed logo	PHOENIX CONTACT logo
Customer variations	On request

Electrical properties

Charging power and current (AC charging (3-phase))

Type of charging current	AC 3-phase
Charging current	max. 32 A AC (3-phase)
Charging power	max. 26.6 kW (3-phase)
Charging power rating	max. 22 kW (32 A, 3-phase)
Rated voltage	480 V

Pin assignment (Leistungskontakte)

Note on the connection method	Connection via spade connector, separable and reconnectable
Number	5 (L1, L2, L3, N, PE)
Rated voltage	480 V AC
Rated current	max. 32 A (The infrastructure charging socket is designed for both 1-phase and 3-phase charging with charging currents of up to 32 A.)

Pin assignment (Signalkontakte)

Note on the connection method	Connection via spade connector, separable and reconnectable
Type of signal transmission	Pulse width modulation
Number	2 (CP, PP)
Rated voltage	30 V AC
Rated current	2 A

Locking actuator

Locking actuator	without locking actuator

Dimensions

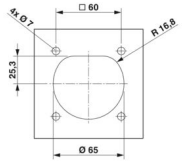
Bore dimensions

Width	60 mm
Height	60 mm

Infrastructure charging socket

Width	75 mm
Height	91.71 mm
Depth	87.95 mm (with protective cap for strain relief and touch protection attached at the back, included in delivery and already mounted)
	73.35 mm (without protective cap for strain relief and touch protection attached at the back, removal tool see accessories)

Protective cap

Width	64 mm
Height	57 mm
Depth	24 mm
Dimensional drawing	
Max. wall thickness	max. 50.00 mm (Rear panel mounting, normative maximum specification for infrastructure plug)
	max. 28.00 mm (Rear mounting, normative maximum specification for infrastructure plug when using protective cover 1405217)

Material specifications

Color (Housing)	black (9005)
Material (Housing)	Plastic
Material (Contact surface)	Silver

Cable/line

Cable type	without single-core wires
	Single-core wires for AC and communication are available separately, see accessories

Single-core wires for locking actuator

Cable length	0.5 m
Cable structure	4 x 0.5 mm²
Single wire, material	PVC
Single wire, color	BU/RD, BU/GN, BU/YE, BU/BN
External cable diameter	1.60 mm ±0.20 mm
Cable resistance	≤ 37.1 Ω/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)	IP44 (plugged in)
Degree of protection (Protective cover)	IP54 (see accessories)
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

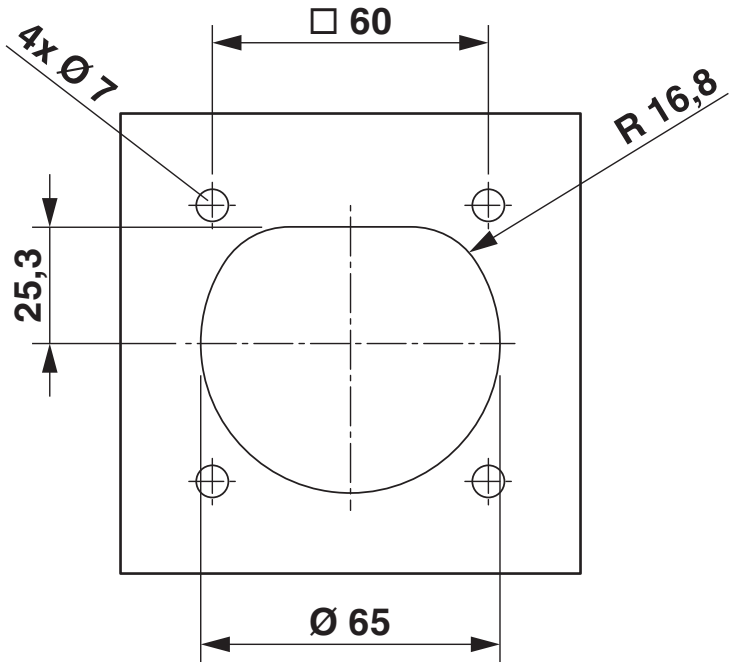
Standards/regulations	IEC 62196-2

Mounting

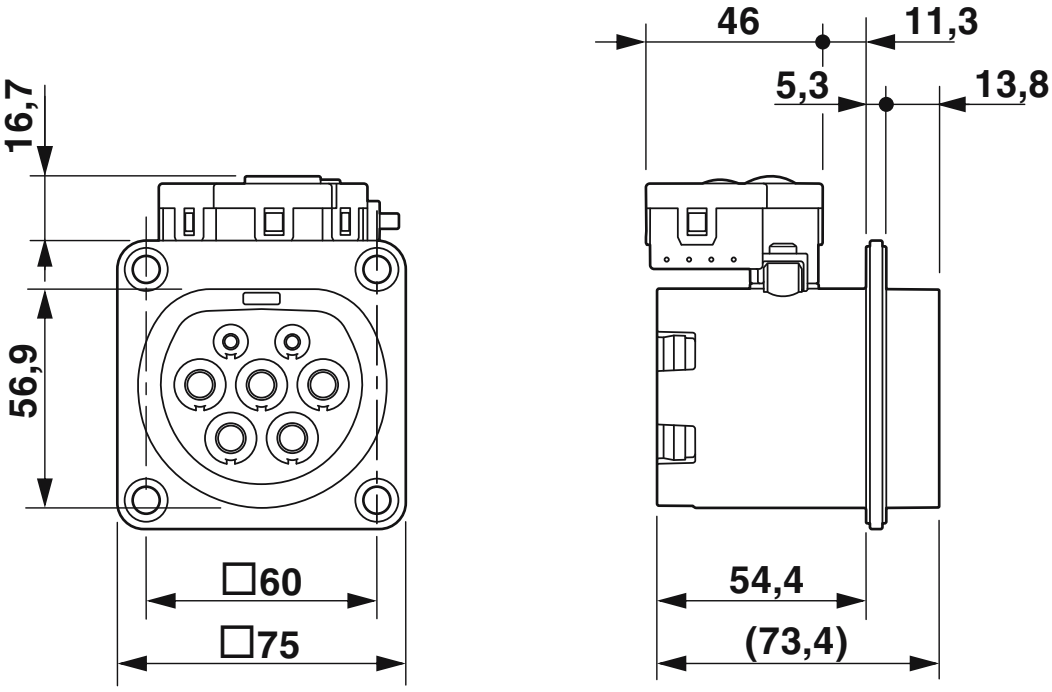
Mounting type Infrastructure charging socket	Rear panel mounting (0 to 90 degree frontal inclination possible)
Mounting type Protective cover	Rear panel mounting (available separately)
Mounting hole diameter	7.00 mm (ø)
Fixing screws	M5 thread
Screws included in the scope of delivery	none

Drawings

Dimensional drawing

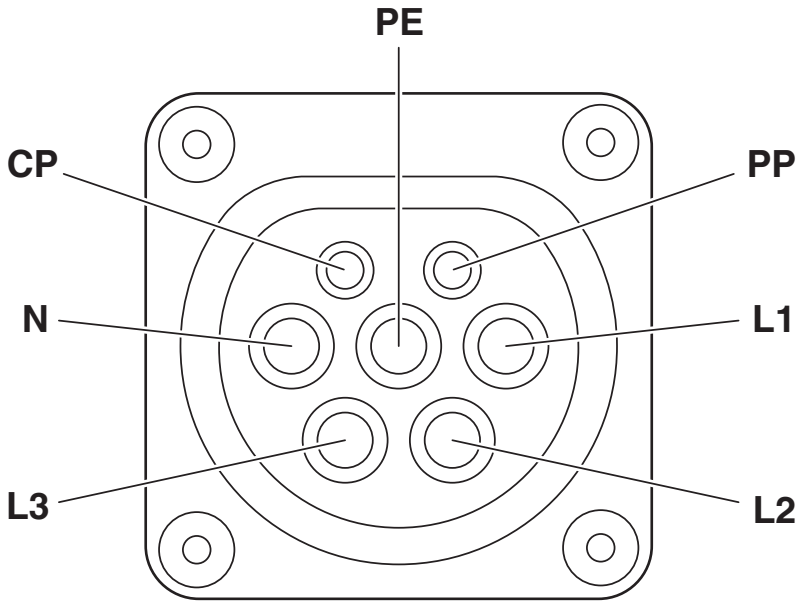


Dimensional drawing



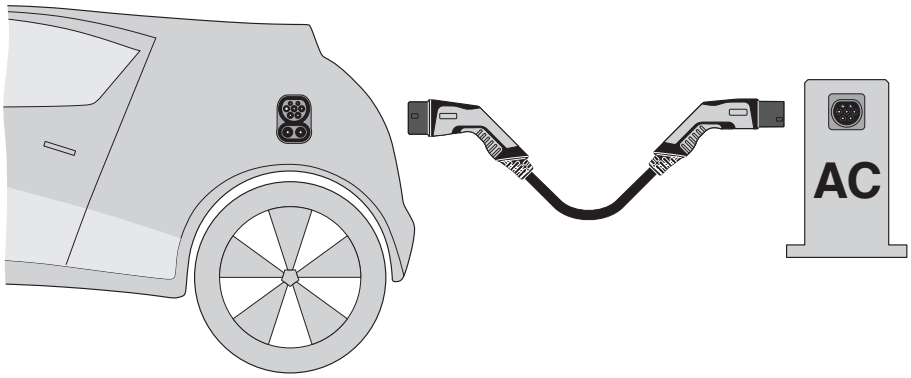
Note: This product version does not have the illustrated locking actuator.

Connection diagram



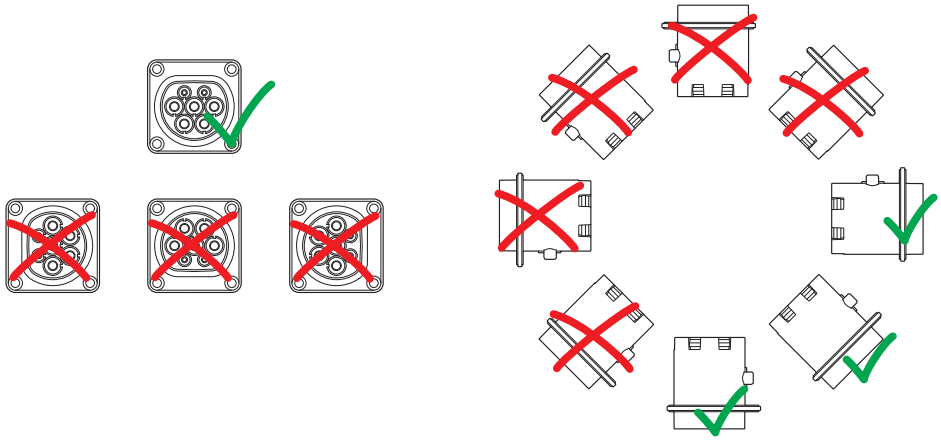
Pin assignment of infrastructure charging socket

Schematic diagram



Operating instructions

Schematic diagram



Installation positions

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1286399

VDE report with production monitoring
Approval ID: 40053862

Classifications

ECLASS

ECLASS-13.0	27144706
ECLASS-15.0	27144706

ETIM

ETIM 9.0	EC002898

UNSPSC

UNSPSC 21.0	39121800

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	88617eed-71fd-4809-9c28-63be2dc3f19c

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