

# CHARGING STATION BASIC SHUTTER

CHARGING STATION FOR ELECTRIC VEHICLES



MENNEKES charging stations are designed for private and semi-public use

# Variants

Thermal management

Personal and line protection

BKE for eHZ

Auto switch (only for 22kW)

Static load management

Key switch / external control signal

## Basic

### Charging socket type 2 (version „T2S“)

	Order no.
<b>3,7 / 7,4 kW</b>	311521 311521SI 311521SW
<b>11 / 11 kW</b>	1311514SI 311514SW
<b>11 / 22 kW</b>	311515SW 311515SI

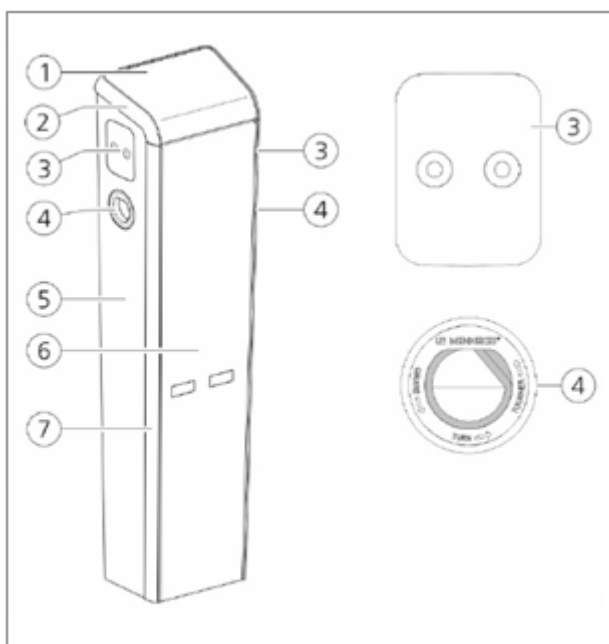


# Product features

- Charging mode 3acc. to IEC 61851
- Vehicle connectors and charging socket acc. to IEC 62196
- Charging capacity up to 22kW
- Charging socket type 2 with Shutter
- Auto-switch function for automatic switching between 20 A and 32 A charging cables
- Authorization via key switch or external control signal
- Static load management for the best possible distribution of the available power of either 22 kW, 33 kW or 44 kW (2x16 A, 1x16 A / 1x32 A, 2x 32 A) on both charging points
- Integrated MCB's and RCD's
- Unlocking function in case of grid failure (only for devices with charging socket type 2)
- One hand operation
- Charging column with temperature controlled ventilation system
- Ready wired for installation (Plug& Play)
- Enclosure made of sheet steel, galvanised, primed and powder-coated

# Assembly

## Basic



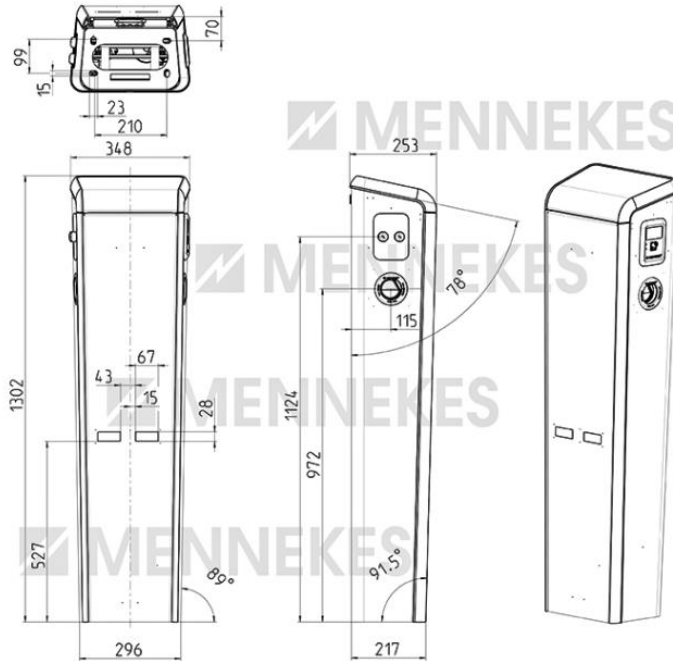
1. Cover panel
2. Cover
3. Operating unit with key-operated push-button and LED (2x)
4. Charging socket type 2 with Shutter (2x)
5. Basic enclosure
6. Front plate
7. Profil strips

# Technical data

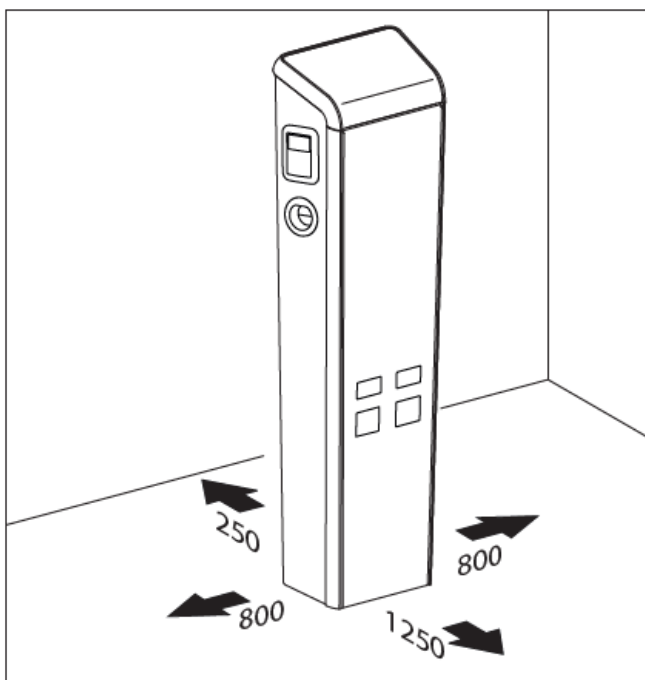
Type-dependent data		3,7/7,4	11/11	11/22
Rated voltage $U_N$ [V] AC $\pm 10\%$		400 V		
Rated frequency $f_N$ [Hz]		50		
Rated Current $I_{nA}$ [A]		32/64	32	32/64
Max. back-up fuse [A]		80		
Max. short circuit current [A]		10		
Max. charging capacity mode 3 [kW]		3,7/7,4	11/11	11/22
Rated current of charging point mode 3 $I_{nC}$ [A]		16/32 – 1ph	16 – 3ph	16/32 – 3ph
Terminal for supply line	Rated cross section	5 x 2 x 50 mm <sup>2</sup>		
	Terminal area	rigid 1,5...50mm <sup>2</sup> flexible and aluminium round, single wire: 1,5...35mm <sup>2</sup>		
	Tightening torque	3,2 - 3,7 Nm		
Relay of external transducer	Coil voltage	230 V AC, optional 12 V DC / 24 V DC ( by relay exchange )		
	Terminal area	starr 2 x 2,5 oder 6mm <sup>2</sup> flexibel 2 x 2,5 max. 4 mm <sup>2</sup>		
	Tightening torque	0,8 Nm		
Rated insulation voltage $U_i$ [V]		500		
Rated impulse withstand voltage $U_{imp}$ [kV]		4		
Rated conditional short-circuit current $I_{cc}$ [kA]		10		
Rated diversity factor RDF		1		
Earth system		TN / TT		
EMC classification		A / B		
Protection class		I		
Degree of protection		IP 44		
Overvoltage category		III		
Resistance to mechanical impact		IK 10		
Pollution degree		3		
Setting up		Outdoor		
Condition of installation		Stationary		
Usage		ACSEV		
Mounting method		Floor-mounted		
Dimensions H x W x D [mm]		1301 x 348 x 253		
Weight [kg]		73		
Standard		IEC 61851, DIN IEC / TS 61439-7		

Environmental conditions	
Ambient temperature	-25....+40 °C
Average temperature within 24 hours	< 35 °C
Altitude	Max. 2000m above sea level
Relative humidity	Max. 95 % (non-condensing)

## Dimensions [mm]



## Mounting distance [mm]



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