

AMTRON® Premium E 22 C2

For charging electric vehicles in private and semi-public areas



MENNEKES
Elektrotechnik GmbH & Co. KG

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GERMANY

www.chargeupyourday.com

Equipment features

General

- Mode 3 charging (IEC 61851-1)
- Plugs and sockets according to IEC 62196-2
- Maximum charging power: 22 kW
- Connection: 1-phase / 3-phase
- Max. charging power configurable by qualified electrician
- Calibrated energy meter, readable from outside (MID-compliant)
- Status information via LED information panel
- Permanently connected charging cable with type 2 (7.5 m)
- Integrated cable hanger
- Enclosure made of AMELAN
- Stop button

MENNEKES Charge App

- For authorising and visualising charging processes
- Display of charged amount of energy and energy costs
- Data export of all charging processes in PDF and CSV format
- Optional: APP control, time-controlled charging, network-controlled charging, Home Energy Management

Authorisation options

- Autostart (without authorisation)
- MENNEKES Charge App
- RFID (ISO / IEC 14443 A)
Compatible with MIFARE classic and MIFARE DESFire

Networking options

- Connecting to a network via WLAN / WiFi
(We recommend connection via LAN / Ethernet (RJ45), as this guarantees the most stable data transmission)
- Connecting to a MENNEKES eMobility Gateway via RS485 bus
- Networking multiple charging stations via RS485 bus
- Connecting to a MENNEKES smart charging column via RS485 bus

Options for connecting to a backend system

- Via RS485 bus and smart charging column
- Via RS485 bus and eMobility Gateway

Options for local load management

- Reduction of the charging current via an external control signal (downgrade)
- Static load management

Options for connecting to an external energy management system (EMS)

- Via Modbus TCP
- Via SEMP for Home Energy Management Systems (HEMS)

Integrated protective devices

- No integrated Residual Current Device
- No integrated circuit breaker

Technical data

AMTRON® Premium E 22 C2		1355252
Max. charging power Mode 3 [kW]	Charging point 1	22
Connection	Charging point 1	1-phase / 3-phase
Rated current I_{nA} [A]		16
Rated current of a Mode 3 I_{nC} charging point [A]		32
Rated voltage U_N [V] AC $\pm 10\%$		230 / 400
Rated frequency f_N [Hz]		50
Switching device load circuit (load contactor)		32A, 4p (100-250V 50/60Hz)
Max. back-up fuse [A]		According to rating plate / configuration
Rated insulation voltage U_i [V]		500
Rated impulse withstand voltage U_{imp} [kV]		4
Conditional rated short-circuit current I_{cc} [kA]		10
Rated diversity factor RDF		1
Types of system earthing		TN/TT
EMC classification		A+B
Protection class		II
IP rating		IP44
Overvoltage category		III
Mechanical impact protection		IK10
Contamination rating		3
Installation		open air, interior
Stationary / Mobile		fixed
Use (according to IEC 61439-7)		ACSEV
External design		wall mounting
Dimensions H x W x D [mm]		According to dimensional drawing
Weight [g]		11240
Standard		IEC 61851, IEC 61439-7

The specific standards according to which the product was tested can be found in the declaration of conformity for the product.

Technical data

Permissible ambient conditions

	Min.	Max.
Ambient temperature [°C]	-25	40
Average temperature over 24 hours period [°C]		35
Altitude [m above sea level]		2000
Relative humidity [%]		95

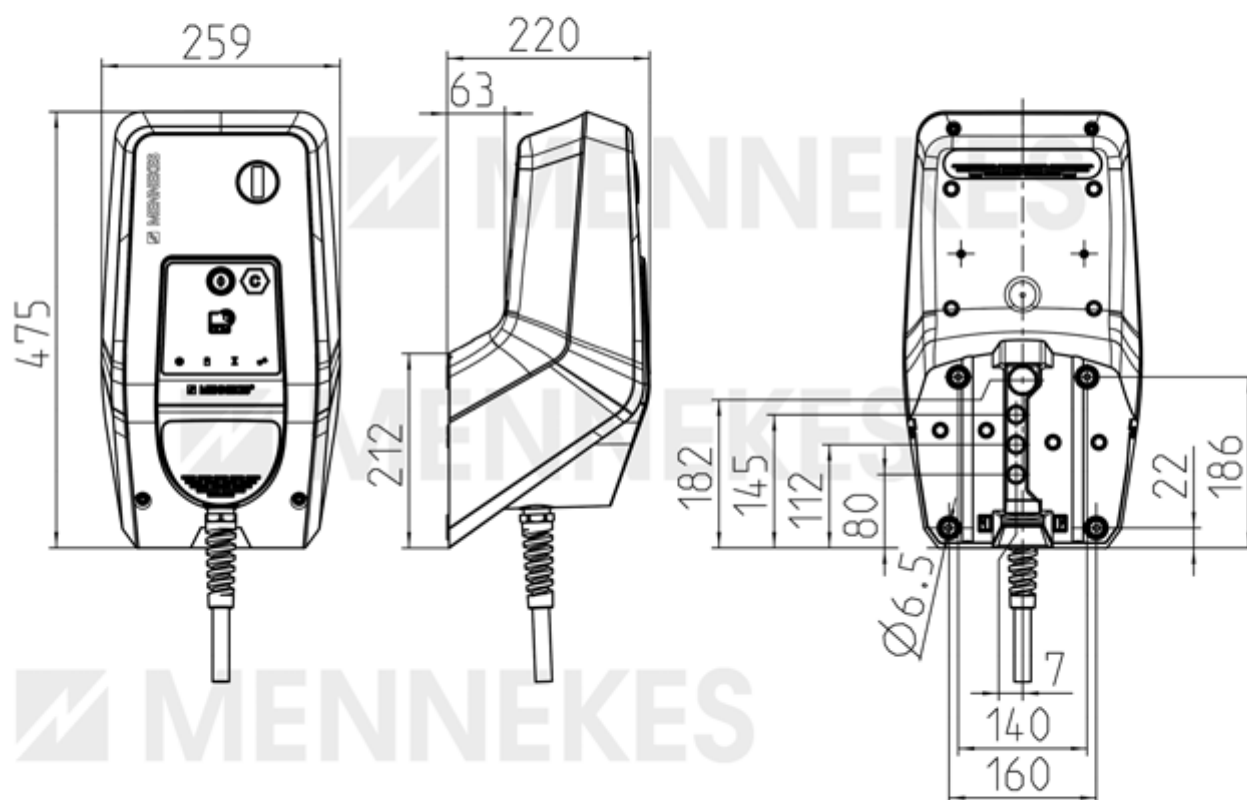
Protective devices

Control fuse (LS)	B-6A, 2p, 10kA
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Technical data

Supply line terminal strip		
Number of terminals	5	
Line material	Copper	
	Min.	Max.
Clamping range - rigid [mm ²]	0.5	10
Clamping range - flexible [mm ²]	0.5	10
Clamping range with ferrule [mm ²]	0.5	10
Tightening torque [Nm]	1.5	1.8

Dimensional drawing



1 MB 681

Example

