

AMTRON®

Start (E), Standard E, Light, Pro, Basic (E/R)



The MENNEKES AMTRON® Wallbox is a charging station for use in private and semi-public areas, such as private land, company car parks and depots.

- Charging acc. Mode 3 (IEC 61851)
- Vehicle connectors and charging socket acc. IEC 62196

- Integrated cable suspender



Optional:

- Charging socket type 2
- Permanently connected charging cable with connector type 2 (Length 7,5m)
- Permanently connected charging cable with connector type 1 (Length 7,5m)
- Charging power up to 22 kW

PRODUCTFEATURES

- Status information through LED info bar
- Versions „Standard“ and „Basic“:
Key switch for authorization
- Versions „Pro“ and „Basic“:
Calibrated digital energy meter (MID) readable from the outside
- Multi-function button
 - Stop function (adjustable parameters; deactivated by default)
 - Reset function
 - RCD test (only with integrated RCD)
 - Re-activating of RCD and CB (only with integrated RCD / CB)
- Unlocking function in case of power failure (only for devices with charging socket type 2)
- Enclosure made of AMELAN®
- Wired ready for connection

Date: 03-2017 – V.3.0

TECHNICAL DATA

Charging power Mode 3		3,7 kW	7,4 kW	11 kW	22kW
Rated voltage U _n		230 V AC ±10 %	230 V AC ±10 %	400 V AC ±10 %	400 V AC ±10 %
Rated frequency f _n		50 Hz			
Rated current I _{nA}		16 A	32 A	16 A	32 A
Charging current Mode 3 I _{nc}		16 A, 1 ph	32 A, 1 ph	16 A, 3 ph	32 A, 3 ph
Degree of protection		IP 44 (permanently attached charging cable or charging socket type 2 with Shutter) IP 54 (charging socket type 2 with hinged lid)			
Protection class		I			
Dimensions		474,8 mm x 259,2 mm x 220,1 mm (H x B x T)			
Weight		5...8,5 kg (je nach Ausführung)			
Rated impulse withstand voltage U _{imp}		4 kV			
Rated short circuit current I _{cc}		10 kA			
Rated diversity factor RDF		1			
Pollution degree		3			
Earthing system		TN/TT			
Condition of installation		Stationary equipment			
Usage		ACSEV			
Mounting method		wall mounting, surface mounting			
EMC classification		A+B			
Resistance to mechanical impact (IK)		IK08			
Rated insulation voltage U _i		500 V			
Maximum cable cross-sections at the terminals	Rigid	3 x 6 mm ²	3 x 10 mm ²	5 x 6 mm ²	5 x 10 mm ²
	Flexible	3 x 4 mm ²	3 x 6 mm ²	5 x 4 mm ²	5 x 6 mm ²

ENVIRONMENTAL CONDITIONS

Ambient air temperature	-25 ... +40 °C
Average temperature within 24 hours	< 35 °C
Storage temperature	-25 ... +40 °C
Altitude	max. 2.000 m above sea level
Relative humidity	max. 95 % (non-condensing)

PERSONAL AND CIRCUIT PROTECTION (RCD / CB)

Variante	RCCB type B	CB
Light, Pro, Basic (3,7 kW / 7,4 kW, 1 ph)	X	x
Light, Pro, Basic (11 kW / 22 kW, 3 ph)	x	x
Start E, Standard E, Basic E (3,7 kW / 7,4 kW, 1 ph) (11 kW / 22 kW, 3 ph)	-	-
Basic R (3,7 kW / 7,4 kW, 1 ph)	X	-
Basic R (11 kW / 22 kW, 3 ph)	x	-

Note the following when connecting the charging station:

- Each charging station must be connected using a separate residual current circuit breaker (RCCB) (see IEC 60364-7-722)
- Charging stations with integrated residual current circuit breaker are delivered with RCCB type B.
- No other circuits may be connected to this residual current circuit breaker.
- For versions Start E, Standard E and Basic E, the residual current circuit breaker (RCCB) must be provided on site.
- For versions Start E, Standard E, Basic E and Basic R the circuit breaker (CB) must be provided on site.

ASSEMBLY

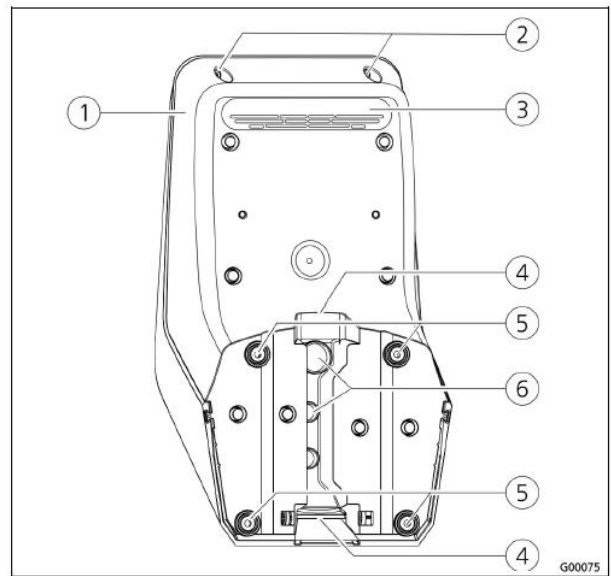
Front view (example)



- ① Rear enclosure part
- ② Front enclosure part
- ③ Window for counter¹⁾
- ④ Front panel
- ⑤ Fastening screws for front enclosure part
- ⑥ Predetermined breaking point for supply line / cable duct from below

1) Only for versions Pro and Basic.

Rear view (example)

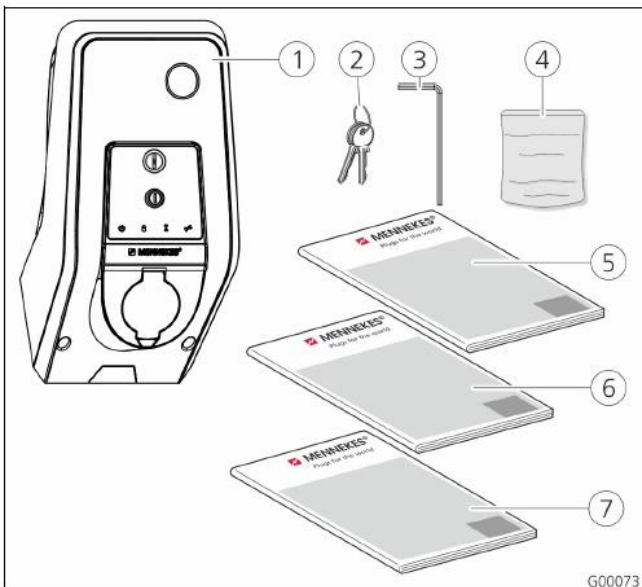


- ① Rear enclosure part
- ② Fastening screws for front enclosure part
- ③ Air outlet
- ④ Opening for cable duct
- ⑤ Fastening holes
- ⑥ Cable glands

PRODUCT DATA SHEET

AMTRON® Start (E), Standard E, Light, Pro, Basic (E/R)

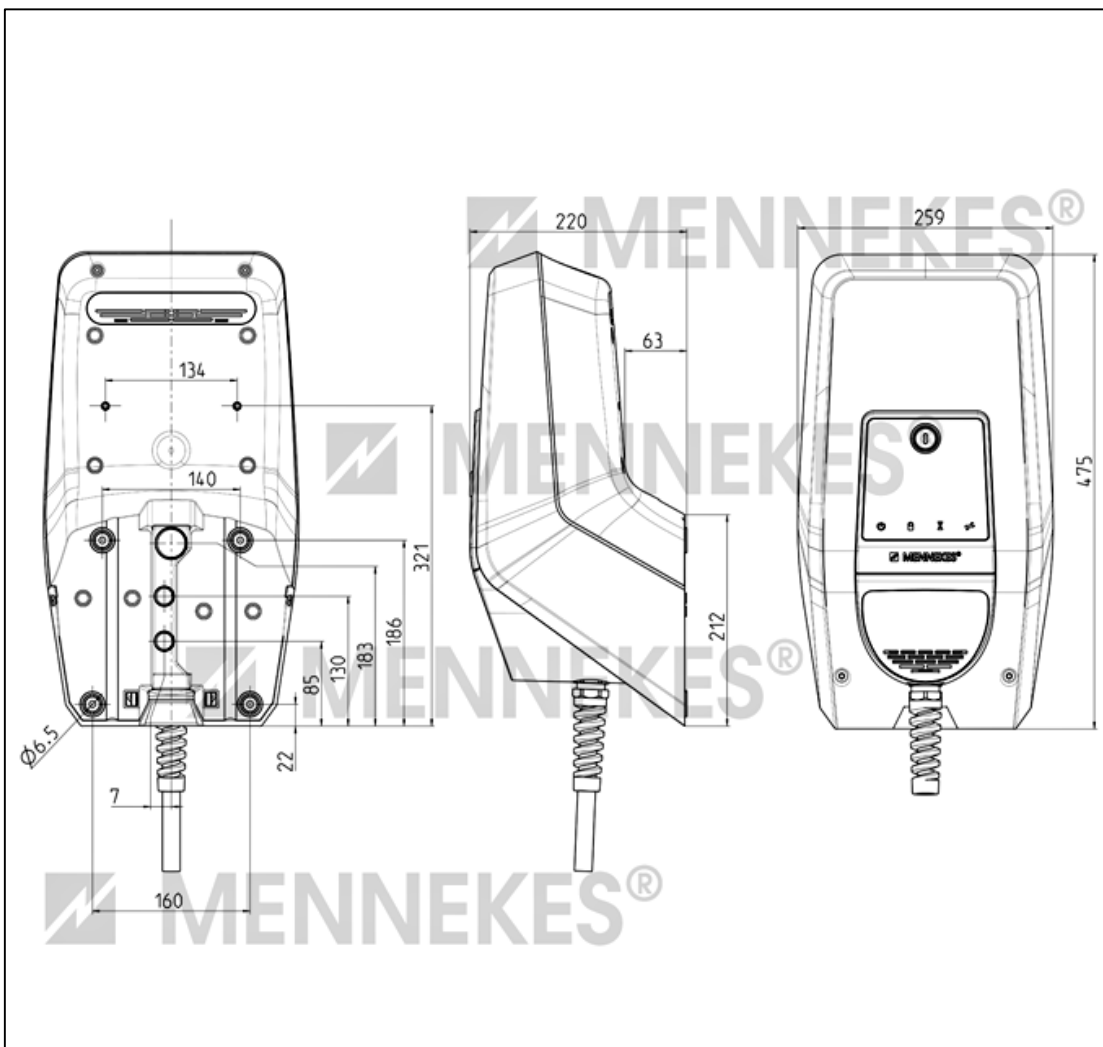
DELIVERY CONTENTS



- ① Charging station
- ② Key set for authorisation ¹⁾
- ③ Allen key
- ④ Bag with installation hardware (screws, dowels, plugs)
- ⑤ Operation manual
- ⑥ Installation manual
- ⑦ Quick guide

1) Only for versions Basic (E/R) and Standard E.

DIMENSIONS





CHARGE UP YOUR DAY!



Thousands of MENNEKES charging points are in daily use in Europe, delighting users in their diverse life situations.

As an innovative leader we offer a broad portfolio of charging solutions for the private and public applications



Charge up your day with MENNEKES, the specialist for
Intelligent eMobility charging solutions.

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