MENNEKES
MY POWER CONNECTION

AMTRON®
Compact 2.0s 7,4 C2

For charging electric vehicles in private areas

MENNEKES
Elektrotechnik GmbH & Co. KG

Aloys-Mennekes-Straße 1
57399 Kirchhundem
GERMANY

www.**chargeupyourday**.com

Version Mar 08 022 Subject to change without notice. No liability accepted for printing errors.

Equipment features

General
- Mode 3 charging (IEC 61851-1)
- Plugs and sockets according to IEC 62196-2
- Maximum charging power: 7.4 kW
- Connection: 1-phase
- Max. charging power configurable by qualified electrician
- Status information via LED information panel
- Sleep mode for reduced standby consumption (approx. 1 W)
- Permanently connected charging cable with type 2 (7.5 m)
- Integrated cable hanger
- Enclosure made of AMELAN

Authorisation options
- Autostart (without authorisation)
- RFID (ISO / IEC 14443 A)
  Compatible with MIFARE classic and MIFARE DESFire

Options for local load management
- Reduction of the charging current using an external switching contact (downgrade input)
- Reduction of the charging current in case of uneven phase load (unbalanced load limitation)
- Solar charging via an upstream, external energy meter
- Local blackout protection by an upstream, external energy meter

Integrated protective devices
- No integrated Residual Current Device
- No integrated circuit breaker
- DC residual current monitoring > 6 mA in accordance with IEC 62955
- Switching output for controlling an external shunt release, in order to disconnect the charging point voltage from the mains in case of a fault (welded load contact, welding detection)

Technical data

AMTRON® Compact 2.0s 7,4 C2		1321307205
Max. charging power Mode 3 [kW]	Charging point 1	7.4
Connection	Charging point 1	1-phase
Rated current I_{nA} [A]		32
Rated current of a Mode 3 I_{nC} charging point [A]		32
Rated voltage U_N [V] AC ± 10%		230
Rated frequency f_N [Hz]		50
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		I
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]		5000
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]	-30	50
Average temperature over 24 hours period [°C]		35
Altitude [m above sea level]		2000
Relative humidity [%]		95

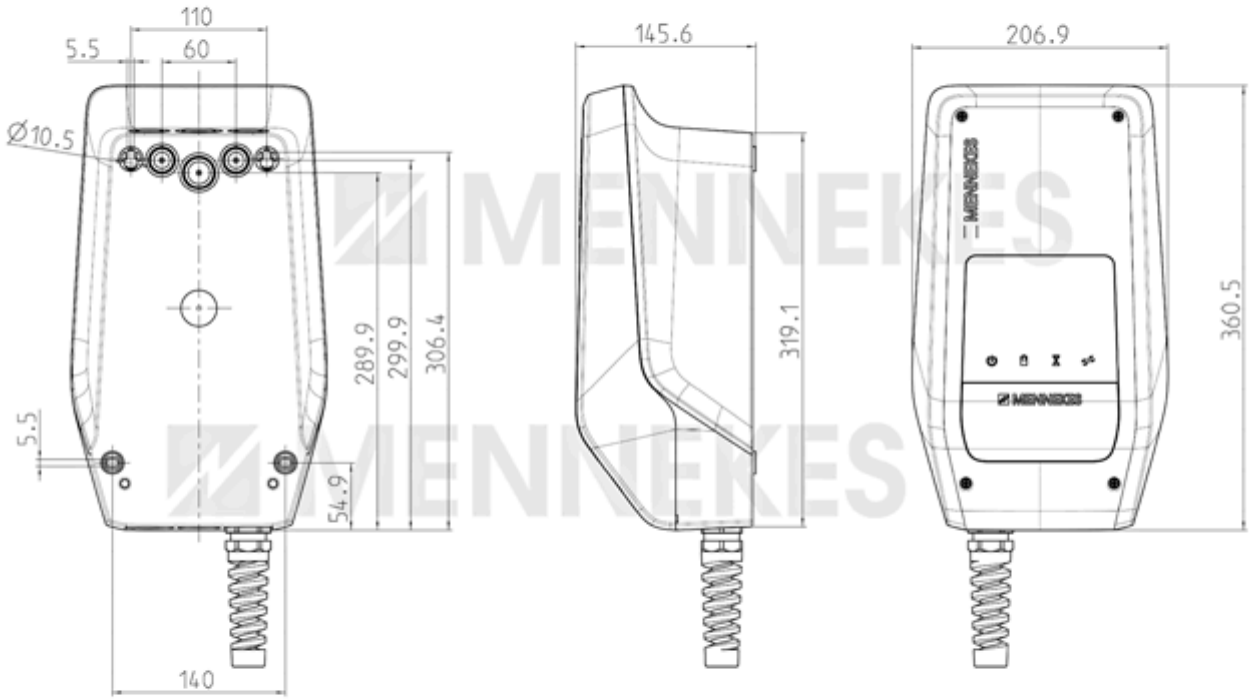
Technical data

Supply line terminal strip		
Number of terminals	3	
Conductor material	Copper	
	Min.	Max.
Clamping range - rigid [mm²]	0,2	10
Clamping range - flexible [mm²]	0,2	10
Clamping range with ferrule [mm²]	0,2	6
Tightening torque [Nm]	0,8	1,6

Downgrade input terminals		
Number of terminals	2	
Ausführung des externen Schaltkontakts	Potential-free (NC)	
	Min.	Max.
Clamping range - rigid [mm²]	0,5	4
Clamping range - flexible [mm²]	0,5	4
Clamping range with ferrule [mm²]	0,5	2,5
Tightening torque [Nm]	0,8	1,6

Switching output for shunt release terminals		
Number of terminals	2	
Max. switching voltage [V] AC	230	
Max. switching voltage [V] DC	24	
Max. switching current [A]	1	
	Min.	Max.
Clamping range - rigid [mm²]	0,5	4
Clamping range - flexible [mm²]	0,5	4
Clamping range with ferrule [mm²]	0,5	2,5
Tightening torque [Nm]	0,8	1,6

Dimensional drawing



1 MB 673

Example