

SIEMENS



Drivergy

WB140A charging unit

Modern design and easy handling for charging at home or in the semi-public area

Easy charging at home

WB140A charging unit: Modern, functional design and easy handling combine to create an optimized solution for use in garages and workshops, as well as in semi-public parking lots. Additionally, the type of protection IP44 facilitates applications outdoors, e.g. in carports.

Comfortable handling

The charging process commences as soon as the charging coupler is connected to the electric vehicle. The integrated delay function supports setting a charging delay in two-hour increments (2/4/6/8 hours) up to a max. of 8 hours. This allows charging with PV current or utilizing off-peak tariffs.

LEDs display the current status.

The additional LEDs at the top right and left of the housing indicate the actual charge status and are easily visible from a distance: ready-to-charge / charging / fault.

Easy installation

The system-tested and CE-compliant charging unit can be quickly and easily connected to a 230/400 V grid. At the time of installation the installer can limit the maximum current to match the existing conditions of the electrical system. A separate mounting bracket facilitates wall mounting. The charging cable is fixed to the charging unit and can be wrapped around the housing for easy storage.

Highlights

- The delay function allows low-cost charging
- LEDs that are easily visible at a distance signal the current operational status
- The installer can limit the maximum current for simple adaptation to the existing electrical system
- Separate mounting bracket for easy installation

Monitoring Devices

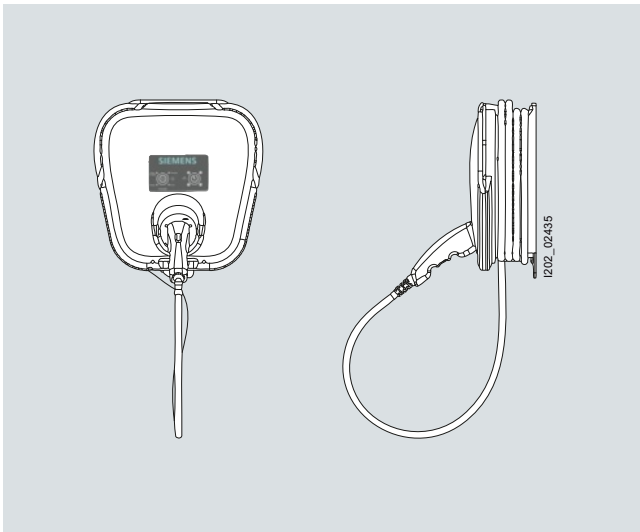
Charging Infrastructure for Electric Vehicles

5TT3 charging units

Overview



IEC/EN 61851 describes the safety requirements that must be met by conductive charging systems for electric vehicles. Standard-compliant AC charging in operational mode 3 requires a charging station with safety-relevant functions. The WB140A charging units are based on monitoring electronics developed by experienced engineers and system-tested in combination with the charging cable and coupler as well as the intuitive operator control unit. The WB140A complies with the revised standard IEC 62196-2 and comes with the new charging coupler Type 2 Generation 2. This ensures compatibility with future generations of electric vehicles.



Frontal and lateral view

Application

The WB140A charging unit is a system-tested, CE-compliant unit for charging electric vehicles in operational mode 3 in accordance with IEC/EN 61851 and IEC/EN 62196 for indoor and outdoor use, e.g. carports, garages, workshops, underground parking garages or multistory parking decks.

Flexible wiring options

The WB140A features rear and bottom fed wiring ports.

Delay button

A simple, multi-setting delay timer has been built into the WB140A charging unit to allow for user control. With the press of a button, the user can delay charging up to 8 hours from the time of plug-in. The charging process starts automatically after the time delay has elapsed.

Charging status indicator

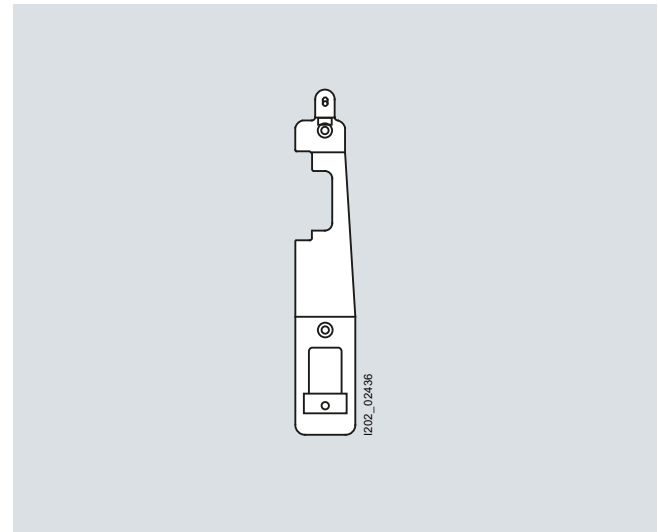
Large LEDs indicate the current operational status at a distance. The following states are displayed: "Ready-to-charge" / "Charging" / "Fault".

Adjustment switch for optimum performance

Installing electric vehicle chargers in older buildings can be a challenge. With the WB140A charging unit the maximum value for the charging current can be adjusted to match facility capability. Incremental settings range from a maximum current of 32/20 A down to 10 A.

Customer-focused design

An integrated holster keeps dust and dirt away from the charging coupler. The Type 2 Gen 2 connector is ergonomically designed for user comfort. The 4 m cord can be stored by wrapping it around the housing.



Mounting bracket

Monitoring Devices

Charging Infrastructure for Electric Vehicles

5TT3 charging units

Technical specifications

WB140A charging units with charging cable and charging coupler		5TT3 201-1KK25	5TT3 201-1KK27	5TT3 201-1KK37
Standards		IEC/EN 61851-1; IEC/EN 61851-22; IEC/EN 62196-1; IEC 62196-2		
Operational voltage	V AC	230	230/400	
Rated frequency	Hz	50/60		
Rated current	max.	20 A		32 A
Type of protection		IP44		
Safety class		I		
Touch protection	in acc. w. DIN EN 50274	Finger and back-of-hand safe		
Ambient conditions				
• Ambient temperature	°C	-25 ... +40		
• Storage temperature	°C	-30 ... +60		
• Relative humidity	%	≤ 95		
• Installation location		Suitable for indoor and outdoor use		
Mains connection		bottom/rear		
Connection cross-sections	mm ²	1.50 ... 6		2.5 ... 10
Housing				
• Material		Plastic		
• Color		RAL 7035 (light gray)		
• Dimensions (H x W x D)	mm	420 x 420 x 483		
• Weight	kg	5.5	5.8	6.6
Charging tap-off				
• Charging mode in acc. w. IEC 61851-1		3		
• Connection type in acc. w. IEC 62192		C, charging cable with charging coupler Type 2 Gen 2		
Operator controls		PAUSE (STOP/START charging process) DELAY 2, 4, 6, 8 hours (charging process delay)		
Displays		LED, green, orange, red, blue		
Length of charging cable	m	4		

Selection and ordering data

	Rated current	Charging coupler Type	Rated operational voltage	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A		V AC							kg
	WB140A charging units with charging cable and charging coupler									
	20	2 Gen 2	230		5TT3 201-1KK25		1	1 unit	050	5.500
	20	2 Gen 2	230/400		5TT3 201-1KK27		1	1 unit	050	5.800
	32	2 Gen 2	230/400		5TT3 201-1KK37		1	1 unit	050	6.600

Further information

Order number index incl. export markings

Order No.	Export markings	
	ECCN	AL
5TT3		
5TT3 201-1KK25	EAR99H	N
5TT3 201-1KK27	EAR99H	N
5TT3 201-1KK37	EAR99H	N

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