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TEST REPORT
IEC 62196-3

Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles
Part 3: Dimensional compatibility interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers

Report Number. ..... :	CN229V0Z 001
Date of issue ..... :	29.09.2022
Total number of pages ..... :	26 pages
Name of Testing Laboratory preparing the Report ..... :	TÜV Rheinland Shanghai Co., Ltd
Applicant's name ..... :	Shenzhen Woer New Energy Electrical Technology Co., Ltd.
Address ..... :	6th Floor of Three Plant, Woer Industrial Park, Lanjing North Rd., Pingshan Street of Pingshan New District, Shenzhen, Guangdong, P.R. China
Test specification:	
Standard ..... :	IEC 62196-3: 2014 (First Edition) for use in conjunction with IEC 62196-1: 2014 (Third Edition)
Test procedure ..... :	CB Scheme
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC62196_3A
Test Report Form(s) Originator .... :	VDE Testing and Certification Institute
Master TRF ..... :	Dated 2016-01

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Test item description ..... :	Vehicle Inlet for Conductive Charging of Electric Vehicles
Trade Mark ..... :	WOER
Manufacturer ..... :	Same as applicant
Model/Type reference ..... :	Refer to 5
Ratings ..... :	Refer to 5

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):

☒	**CB Testing Laboratory:**	TÜV Rheinland Shanghai Co., Ltd	
Testing location/ address.....:		No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China	
☐	**Associated CB Testing Laboratory:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:		Tom Zhao	
Approved by (name, function, signature)...:		Mingjie Zhuang	
☐	**Testing procedure: CTF Stage 1:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 2:**		
Testing location/ address.....:			
Tested by (name + signature) .....:			
Witnessed by (name, function, signature) .:			
Approved by (name, function, signature)...:			
☐	**Testing procedure: CTF Stage 3:**		
☐	**Testing procedure: CTF Stage 4:**		
Testing location/ address.....:			
Tested by (name, function, signature).....:			
Witnessed by (name, function, signature) .:			
Approved by (name, function, signature)...:			
Supervised by (name, function, signature) :			

List of Attachments (including a total number of pages in each attachment):

Attachment 1: Common modification according to EN 62196-1:2014 (1 page);

Attachment 2: Additional requirements according to EN 17186:2019 (4 pages);

Attachment 3: Photo documentation (5 pages).

Summary of testing:

Tests performed (name of test and test clause):

All tests	WOER-CCS2-I-3AC32/DC200-02
23, 24	WOER-CCS2-I-3AC32/DC125-02

The product fulfils the requirements of EN 62196-1:2014; EN 62196-2:2017.

Throughout the tests:

1. Test temperature of cl.26.3 was lowered to -35°C for 16h;

2. T_A of test cl.26.8 is lowered to -35°C .

Testing location:

TÜV Rheinland Shanghai Co., Ltd

No.177, 178, Lane 777 West Guangzhong Road, Jing'an District, Shanghai, China

Summary of compliance with National Differences (List of countries addressed):

N/A

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

WOER-CCS2-I-3AC32/DC200-02 as an example:

On inlet body:

WOER **WOER-CCS2-I-3AC32/DC200-02**
32A/480VAC 200A/1000VDC
unmated IP (with cap): IP55
Mated IP: IP55
Standard: IEC/EN 62196-1/-3

On smallest packaging:

On EV beside inlet

In specification:

Shenzhen Woer New Energy Electrical Technology Co., Ltd.
6th Floor of Three Plant, Woer Industrial Park, Lanjing North Rd., Pingshan Street of Pingshan New District, Shenzhen, Guangdong P.R. China

Remark:

1. Marking of all products are identical except model numbers and ratings;
2. are identifiers acc. to EN 17186:2019, details see Attachment 2.

Test item particulars.....:	Vehicle Inlet for Conductive Charging of Electric Vehicles
Type of accessory	
▪ **Vehicle inlets .....:**	yes / ~~no~~
▪ **Vehicle connectors .....:**	~~yes~~ / no
- Number of poles .....:	Refer to page 5
- Rated current .....:	Refer to page 5
- Rated operating voltage .....:	Refer to page 5
- Degree of protection .....:	IP55
- Interlocking facilities (with/without interlock) .....:	with interlock / ~~without interlock~~
- Type of interlock (electrical/mechanical) .....:	electrical / ~~mechanical~~
- Standard sheet .....:	3-IVa
- Configuration .....:	FF
- Type of terminal.....:	N/A
Possible test case verdicts:	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
Testing.....:	
Date of receipt of test item .....:	03.08.2022
Date (s) of performance of tests.....:	03.08.2022 - 20.09.2022

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided ..... :	☐ **Yes** ☒ **Not applicable**

When differences exist; they shall be identified in the General product information section.

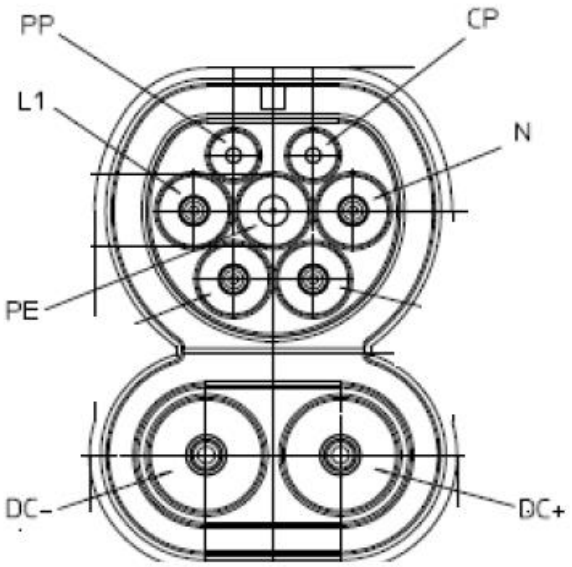
Name and address of factory (ies) ..... : Same as applicant.

General product information:

Vehicle Inlet for Conductive Charging of Electric Vehicles, IP55 (after mounted), non-rewirable; without breaking capacity, with interlock, comply with standard sheet 3-IVa. This product is suitable to be mated with EV connectors complied with standard sheet 2-IIe (IEC/EN 62196-2) or 3-IVc (IEC/EN 61296-3).

Model information:

Type Designation	WOER-CCS2-I-AC32/DC125-02	WOER-CCS2-I-3AC32/DC125-02	WOER-CCS2-I-AC32/DC200-02	WOER-CCS2-I-3AC32/DC200-02
Ratings	DC circuit: 125A 1000VDC AC circuit: 32A 250VAC	DC circuit: 125A 1000VDC AC circuit: 32A 480VAC	DC circuit: 200A 1000VDC AC circuit: 32A 250VAC	DC circuit: 200A 1000VDC AC circuit: 32A 480VAC
Pole configuration	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; L2; L3; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; L2; L3; N; PE; CP; PP
Wiring information	L1; N: 6mm² DC+; DC-; 35mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; L2; L3; N: 6mm² DC+; DC-; 35mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; N: 6mm² DC+; DC-; 70mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; L2; L3; N: 6mm² DC+; DC-; 70mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²



IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
8	**MARKING**		**P**
8.1	All accessories marked with the following:		P
	Rated current (A) ..... :	Refer to page 3	P
	Rated operating voltage (V) ..... :	Refer to page 3	P
	Name or trademark of responsible vendor ..... :	Refer to page 3	P
	Degree of protection ..... :	Refer to page 3	P
	Type reference ..... :	Refer to page 3	P
8.2	Symbols comply with the examples		P
8.3	For plugs and connectors, responsible vendor name or trademark and the type reference are visible to the user		N/A
8.4	For all accessories, rated voltage and rated current markings visible prior to installation		P
	For inlets and socket outlets, responsible vendor name or trademark and type reference visible before installation.		P
	Contacts of rewireable accessories marked properly		N/A
	Wiring instructions provided for rewireable accessories		N/A
	Non-rewireable accessories not required to be marked in accordance with 8.5 and 8.6		P
8.8	Marking is indelible and easily legible after the humidity treatment of 20.3, the marking is rubbed vigorously by hand for 15 s with a piece of cloth soaked in water and again for 15 s with a piece of cloth soaked with petroleum spirit.		P
8.9	Cable assemblies with one accessory have all wires identified and are provided with wiring instructions	Wiring instruction is in user manual	P
9	**DIMENSIONS**		**P**
	EV accessories dimensions comply with standard sheets		P
	Applicable standard sheet ..... :	3-IVa	P
	It is not possible to connect connectors to inlets with different ratings or different pin configurations unless safe operation is ensured		P
	Connectors and inlets that are intended to be mated are designed to ensure that improper connection is not possible		P
	It is not possible to make single pole connections between the connectors and inlet		P
10	**PROTECTION AGAINST ELECTRIC SHOCK**		**P**
10.1	Live parts are not accessible to the user when the accessories are in partial or complete engagement		P

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Contact between a live parts not possible while any live part accessible		P
10.2	Accessories with shutters do not allow access		N/A
	Live parts automatically screened		N/A
	Operation only by complementary accessories		N/A
	Parts liable fixed against loosing		N/A
	Compliance after tests of cl. 23		N/A
10.3	Design of accessories		P
	a) When inserting the plug or vehicle connector		P
	1) The earth connection is made before the phase connections		P
	2) The control pilot connection is made after phase and neutral connection		P
	3) The proximity contact or connection switch contact is made after the earth contact, and before or simultaneously with the control pilot contact.		P
	b) When withdrawing the plug or vehicle connector		P
	1) The phase and neutral connections are broken before the earth connection is broken		P
	2) The control pilot connection is broken before the phase connection are broken		P
	3) The proximity contact or connection switch contact is broken before the earth contact, and after or simultaneously with the control pilot contact.		P
10.4	It is not possible to inadvertently assemble the contacts of one device into the enclosure of the mating device.		P
10.301	For configuration AA, vehicle couplers shall be used only with the isolated d.c. electric vehicle charging station specified in IEC 61851-23		N/A
10.302	For configuration BB, vehicle couplers shall be used only with either isolated or non-isolated d.c. electric vehicle charging station specified in IEC 61851-23		N/A
10.303	For configuration EE and FF, vehicle couplers shall be used only with either isolated or non-isolated d.c. electric vehicle charging station specified in IEC 61851-23		P
11	**SIZE AND COLOUR OF THE EARTHING CONDUCTORS**		**P**
	Size of earthing conductors or neutral conductors are at least the same size as the phase conductors, or as specified in Table 6.		N/A
	The earth conductor is green/yellow		P

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
12	**PROVISION FOR EARTHING**		**P**
12.1	Accessory is provided with a protective earthing contact and earthing terminal in case that the vehicle is connected galvanically to the mains through this accessory		P
	The protective earthing contact is directly and reliably connected to the earthing terminals		P
12.2	All accessible dead metal parts are reliably connected to the earthing terminal by construction		N/A
	Impedance of earthing path does not exceed 0,05 Ω ..... :		N/A
12.3	Earthing contact comply with the test of 12.3 (a) or 12.3 (b) to 12.3 (d)..... :	Complied with 12.3 (a) to (d)	P
	Earthing contacts do not overheat when conducting a current equal to that specified for the phase contacts in accordance with 12.3 (a)		P
	The earthing contact conducted the short time test currents without cracking, breaking or melting in accordance with 12.3 (b) to (d).		P
12.4	Earthing contacts are shrouded or guarded against mechanical damage		P
12.5	Data or signal earth contacts can carry 2 A without overheating		P
13	**TERMINALS**		**P**
13.1	**Common requirements**		P
13.1.1	Rewireable accessories are provided with terminals that accept flexible conductors		N/A
13.1.2	Non-rewireable accessories are provided with soldered, welded, crimped or other effective terminations	Crimped	P
	Crimping of soldered conductors is not used unless soldering is outside of crimp area		N/A
13.1.3	Terminals do not require special preparation		N/A
13.1.4	Terminal materials adequate		N/A
13.1.5	Earthing terminal bodies that are not part of the accessory housing or frame have a body made of materials in accordance with 13.1.4		N/A
	Earthing terminal bodies that are part of the accessory housing or frame have clamping means that are made of materials in accordance with 13.1.4		N/A
	If the housing or frame are fabricated of aluminium or it is alloys, combinations of copper and aluminium are avoided or protection is provided……..:		N/A
13.1.6	Terminals are properly fixed and clamping means do not fix any other component		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
13.1.7	Terminals are located within proximity of other terminals		N/A
13.1.8	Terminals are located or shielded to avoid contact with screws or conductors		N/A
13.1.9	No risk of accidental contact between live parts between live parts and enclosure parts when conductors fitted as intended		N/A
	No risk of a stranded wire contacting live parts or enclosure parts		N/A
13.2	**Screw type terminals**		N/A
13.2.1	Screw type terminals allow proper connection of a copper or copper alloy conductor with the proper cross sectional area		N/A
	Depth of pillar terminal hole sufficient		N/A
13.2.2	Screw type terminals have appropriate mechanical strength		N/A
	Screws and nuts for clamping have an ISO thread or a thread comparable in pitch and mechanical strength		N/A
13.2.3	Screw type terminals clamp conductors between metal surfaces and do not damage the conductor		N/A
13.2.4	Lug terminals used with accessories rated at least 60 A and are fitted with spring washers or other means to lock the terminal		N/A
13.2.5	Clamping screws or nuts of earthing terminals are locked against accidental loosening and cannot be loosened without a tool		N/A
13.3	**Mechanical tests on terminals**		N/A
	Terminals comply with the test of 13.3.1		N/A
	Flexing under mechanical load test:		N/A
	Smallest cross-sectional area (mm²); height H (mm); mass (kg) .....:		N/A
	Largest cross-sectional area (mm²); height H (mm); mass (kg) .....:		N/A
	during the test: the conductor does not slip out, no break near clamping unit and no damage		N/A
	Terminals comply with the test of 13.3.2		N/A
	Pull test:		N/A
	- min. cross-sectional area (mm²); pull (N) .....:		N/A
	- max. cross-sectional area (mm²); pull (N) .....:		N/A
	during the test the conductor does not come out		N/A
14	**INTERLOCKS**		**P**

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Clause	Requirement + Test	Result - Remark	Verdict
14.1	**Accessories with interlock**		P
14.1.1	Accessories classified in “not suitable for making and breaking an electrical circuit under load” shall be provided with an interlock.		P
14.1.2	Plugs and socket-outlets with interlocks shall be so constructed that:		N/A
	- A plug cannot be completely withdrawn from the socket-outlet while the contacts of that socket-outlet are live		N/A
	- the contacts of the socket-outlet cannot be made live until a plug is in proper engagement		N/A
	Vehicle couplers with interlocks shall be so constructed that:		P
	- a vehicle connector cannot be completely withdrawn from the vehicle inlet while the contacts of that vehicle connector are live		P
	- the contacts of the vehicle connector cannot be made live until the vehicle connector is in proper engagement		P
	The power contacts shall not make or break under load		P
14.1.3	Accessories with interlock but without latching function (electrical interlock) shall be so constructed that:		P
	a) the time interval between the opening of the contacts of the control switching device and the opening of the line contacts and neutral contact of the accessory shall be sufficient to ensure that the mechanical switching device interrupts the current before the contacts of the plug are disconnected from the contacts of the socket-outlet		P
	b) during the closing operation, the contacts of the control switching device shall close after or simultaneously with the contacts of the main poles.		P
14.1.4	Switched socket-outlets with interlock and latching device holding the plug into the socket-outlet (mechanical interlock) shall be so constructed that:		N/A
	- the interlock is linked with the operation of a switch so that the plug can neither be inserted nor withdrawn from the socket-outlet while the contacts of the socket-outlet are live		N/A
	- the contacts of the socket-outlet cannot be made live until a plug is almost completely in engagement		N/A
	Switched vehicle connectors with interlock and latching device holding the vehicle connector onto the vehicle inlet (mechanical interlock) shall be so constructed that:		N/A
	- the interlock is linked with the operation of a switch so that the vehicle connector can neither be inserted nor withdrawn from the vehicle inlet while the contacts of the vehicle connector are live		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- the contacts of the vehicle connector cannot be made live until it is almost completely in engagement with a vehicle inlet		N/A
	Accessories with interlock and latching device which hold the plug into the socket-outlet or connector are subjected to the test of 14.1.5 and 14.1.6.		N/A
14.1.5	The switched socket-outlet or connector with interlock is fixed to the support so that the axis of separation is vertical and the movement of the plug is downwards.		N/A
	After this test, the total weight shall be maintained for 60 s.		N/A
14.1.6	The switched socket-outlet or connector with interlock is fixed to support so that the axis of separation is horizontal		N/A
	After this test, the total weight shall be maintained for 60 s.		N/A
	The test is repeated three times, rotating the socket-outlet of 90° on the vertical plane each time		N/A
	After the test, the switched socket-outlet or vehicle connector with interlock shall show no damage or deformation which may impair the function of the product		N/A
14.2	Accessories with integral switching device		N/A
	Integral switching devices shall comply with IEC 60947-3 as far as it is applicable:		N/A
	- for a.c. application, shall have a rated current, at a utilization category of at least AC-22A		N/A
	- for d.c. application, shall have a rated current, at a utilization category of at least DC-21A		N/A
14.3	Control circuit devices and switching elements		N/A
	Control circuit devices and switching elements, if any, used in the control circuit of an electrically interlocked socket-outlet or connector shall comply with:		N/A
	- IEC 60947-5-1 or		N/A
	- IEC 61058-1		N/A
	Ratings suitable for the load to be controlled		N/A
	Control switching devices according to IEC 61058-1 shall be classified with at least 10 000 cycles		N/A
14.4	Pilot contacts and auxiliary circuits		P
	Pilot contacts and auxiliary circuits used for interlocks shall make after the neutral and phase(s) are made		P
	Pilot contacts and auxiliary circuits used for interlocks shall break before the phase(s) and neutral are broken		P

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Clause	Requirement + Test	Result - Remark	Verdict
14.301	Latching function		N/A
	Accessories shall be provided with a latching device to prevent the connection to be separated unintentionally or by unauthorized persons	Shall be checked after final installation	N/A
	Interlock function shall be performed by the proper functioning of latching device		N/A
	Means shall be provide to indicate that interlock is properly engaged		N/A
15	**RESISTANCE TO AGEING OF RUBBER AND THERMOPLASTIC MATERIAL**		**P**
	Rubber or thermoplastic enclosures, or elastomeric sealing rings and gaskets are resistant to aging		P
	Material complies with the accelerated ageing test		P
	Test temperature (°C)……:	70 for Sealing lid/ Sealing gasket; 80 for other parts	P
	Test duration (hours)……..:	240 for Sealing lid/ Sealing gasket; 168 for other parts	P
	No cracks in the material are visible		P
	Material is not sticky or greasy		P
16	**GENERAL CONSTRUCTION**		**P**
16.1	Accessible surfaces are free from sharp edges		P
16.2	Screws or other fastening means for fixing the part carrying the contacts to the mounting surfaces are accessible		P
	This fastening means does not perform any other function		P
16.3	Earthing contact unable to be altered by the user		P
16.4	Socket outlet and vehicle connectors when mounted as in normal use and without a plug and vehicle inlet respectively in position, shall ensure the degree of protection specified on its marked	IP55 (tested with IP55 connector)	P
	When a plug or vehicle inlet is fully engaged with the socket-outlet or vehicle connector, the lower degree of protection of the two accessories shall be ensured	IP55 (tested with IP55 connector)	P
16.5	Maximum temperatures on accessible parts are not exceeded	See clause 24	P
16.6	Adequate contact pressure is maintained when vehicle connectors and inlets are mated		P
16.7	Retaining device that prevents the plug or connector from working out of this mated part is provided		N/A
16.8	Latching device complies with pull test	Shall be checked after final installation	N/A
	Type of device……..:		N/A
	Cable length...……..:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Weight of device (kg)……..:		N/A
	Weight of cable (kg) ……..:		N/A
	Pull force (kg) ……..:		N/A
16.9	Locking feature is provided (optional)		P
16.10	Conductors can be easily inserted into terminals and secured in rewireable devices		N/A
	Conductors can be positioned so as not to allow contact with uninsulated live parts or reducing spacing in rewireable devices		N/A
	Cover or enclosures of rewireable devices are easily removable and easily fixed after connection of conductors		N/A
16.11	Field serviceable accessories are designed to discourage user servicing		N/A
16.12	Enclosures have adequate mechanical strength and do not work loose during normal use		P
	Enclosures parts cannot be removed without a tool		P
16.13	Cable entries allow introduction of the cable to afford mechanical protection		N/A
16.14	Insulating barriers and the like have adequate mechanical strength, and are secured to the body of the device		N/A
	Insulating barriers and the like are designed such that they cannot be incorrectly replaced		N/A
16.15	The force to insert or withdraw a connector from an inlet is not greater than 100 N		P
	Force measured (N)……..…:	Max. insertion: 57 Max. withdrawal: 61	P
16.16	Gripping surface is provided		N/A
17	**CONSTRUCTION OF SOCKET-OUTLETS**		**N/A**
	Not applicable		N/A
18	**CONSTRUCTION OF PLUG AND VEHICLE CONNECTORS**		**N/A**
18.1	Enclosures of plugs and connectors completely cover the terminals and cable ends		N/A
	Rewireable device connections can be made without removing the core		N/A
	Plugs and connectors can only be assembled or reassembled so as to ensure proper configurations		N/A
18.2	Parts of a plug or connector do not work loose during normal use		N/A
	Plugs and connectors cannot be dismantled without a tool		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
18.3	Plugs meet the marked degree of protection when in complete engagement with the socket outlet		N/A
	Attached devices used to assist in meeting the degree of protection are not removable without a tool		N/A
18.4	Vehicle connectors are enclosed when not in engagement with the vehicle inlet		N/A
	Vehicle connectors incorporate means to meet the marked degree of protection when engaged with the vehicle inlet		N/A
	Means provided to meet the marked degree of protection are securely fixed to the connector		N/A
	Lid springs are fabricated of corrosion resistant material		N/A
19	**CONSTRUCTION OF VEHICLE INLETS**		**P**
19.1	Vehicle inlet incorporate means to ensure the marked degree of protection when mated with a vehicle connector		P
	Attached caps provided on inlets meet marked degree or protection when fitted correctly		P
	It is not possible to dismantle the inlet or the attached cap without a tool		P
19.2	Vehicle Inlet is provided with an earthing contact		P
19.3	Vehicle Inlets designated IP44 are provided with a drain opening meeting the dimensional limits		P
20	**DEGREE OF PROTECTION**		**P**
20.1	Accessories have the required minimum ingress protection rating		P
	Plugs and vehicle connectors when mated are IP 44		N/A
	Vehicle inlets mated are IP 44	IP55 (tested with IP55 connector)	P
	Plugs, vehicle connectors, and socket outlets when not mated are IP 24		N/A
	Vehicle Inlets when not mated are IP 55		P
20.2	Enclosures comply with the relevant test of IEC 60529 for the IP rating marked on the device		P
20.3	No damage occurs to devices subjected to the humidity conditioning		P
	Humidity (%) ..... :	93	P
	Temperature (°C)..... :	23	P
	Duration (hours)..... :	168	P

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Clause	Requirement + Test	Result - Remark	Verdict
21	**INSULATION RESISTANCE AND DIELECTRIC STRENGTH**		**P**
21.1	Accessories comply with the insulation resistance and dielectric strength tests		P
21.2	The measured insulation resistance is not less 5 MΩ	See appended table 21.2	P
21.3	The accessory complies with the dielectric strength test	See appended table 21.1	P
21.4	The means for non-interchangeability were not impaired		P
22	**BREAKING CAPACITY**		**P**
22.1	Accessories intended to interrupt current have sufficient breaking capacity	Not suitable for making and breaking an electrical circuit under load	N/A
22.2	Mating accessories comply with the breaking capacity test		P
	Test current: 1,25 rated current (A: power factor) .... :	40; 0,8 for AC circuit	P
	Test voltage: 1,1 rated operating voltage (V) ..... :	275	P
	Number of cycles..... :	3	P
	No sustained arcing occurs. No damage		P
22.3	D.C. accessories or the d.c portions of combined a.c./d.c. accessories are not required to be tested		P
23	**NORMAL OPERATION**		**P**
23.1	Accessories withstand the mechanical, electrical and thermal stresses of normal use		P
23.2	Test performed with both a.c. and d.c. voltages		P
	For d.c. vehicle inlets and vehicle connectors the maximum number of operation cycles is 10 000 without load		P
	In case d.c. vehicle inlets contain an a.c. part, these shall be tested separately with new accessories		P
23.3	The accessories comply with the test		P
	Rated operating voltage (V) ..... :	250 (AC circuit)	P
	Rated current (A; power factor)..... :	32; 0,6 (AC circuit)	P
	Number of cycles: with load ..... :	50 (AC circuit)	P
	without load ..... :	10000 (AC & DC circuit)	P
	No sustained arcing occur		P
	After test, no damage and electric test (§ 21.3) (V)		P
23.4	Lids or other moveable parts that are not operated automatically are also caused to move the required number of cycles		P
24	**TEMPERATURE RISE**		**P**

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
24.1	Temperature rise of terminals and surfaces do not exceed the required limits 50 K	See appended table 24.1	P
24.2	Accessories shall be so constructed that the surface temperatures in normal use are not excessive, as indicated in 16.5		P
25	**FLEXIBLE CABLES AND THEIR CONNECTION**		**N/A**
25.1	Conductors are relieved from stain at the terminals and are protected against abrasion		N/A
	Cable cannot contact unearthed metal parts		N/A
25.2	**Requirements for plugs and vehicle connectors**		N/A
25.2.1	Suitable flexible cable is provided with non-rewireable devices		N/A
25.2.2	Rewireable accessory provided with strain relief that prevents twisting of cable		N/A
	Instructions provided to identify parts not provided and explain assembly		N/A
	Cable anchorages do not have any sharp edges		N/A
	Insulating materials are smooth and free from burrs		N/A
25.3	Accessories comply with the cable pull test		N/A
	Rated current (A) ..... :		N/A
	Pulling force (N) ..... :		N/A
	Torque (Nm) ..... :		N/A
	Maximum displacement (mm)..... :		N/A
	During the test, the cable shall not be damaged		N/A
	After the test, the cable shall not have been displaced by more than the values indicated in table 17.		N/A
25.301	Accessories not suitable for marking and breaking an electric circuit under load		N/A
	During the test, the cable shall not be damaged		N/A
26	**MECHANICAL STRENGTH**		**P**
26.1	Accessories have adequate mechanical strength		P
26.2	Accessories maintain their degree or protection after impact testing		P
	Ball impact test on enclosure for Socket-outlets and appliance inlets		P
	Impact test: 5 blows (fig. 5); energy:	[ ] 1 J [ ] 2 J [x] 3 J	P
	- After test, no damage		P
	- Accessories higher than IP 44: withstand § 20		P
	- Enclosures of thermoplastic mat.: withstand § 21.4		P
26.3	Rewirable plugs and connectors, and non-rewirable plugs and connectors:		N/A

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
	For rewirable plugs and connectors: Type of cable (IEC 60245-4; mm²) ..... :		N/A
	8 drops – 1 m, total length of 2,25 m		N/A
	- After test, no damage		N/A
	- Accessories higher than IP 44: withstand § 20		N/A
	- Enclosures of thermoplastic mat.: withstand § 21.4		N/A
26.4	Non-rewireable accessories comply with the flexing test		N/A
	Current (A); Force (N) ..... :		N/A
	Number of flexing: 20.000		N/A
	After the test, no damage		N/A
26.5	Accessories with screwed cable glands comply with the deformation test	[ ] metal [ ] moulded mater	N/A
	Diameter of test rod (mm) ..... :		N/A
	Force (N)..... :		N/A
	After the test, no damage		N/A
26.6	Shutters, if provided, comply with the pin force test		N/A
26.7	Isolating caps fixed sufficiently		P
	Test of 26.8 and 26.9 comply with stated criteria		P
	After each of the following tests, the samples shall show no damage as follows:		P
	- no part shall become detached		P
	- no part shall have moved, loosened or deformed to the extent that the samples no longer function or operate as intended		P
	- no uninsulated live part shall become accessible with the probe (Figure 3)		P
	- no reduction shall occur of creepage and clearance between uninsulated live parts of		P
	- no other evidence of damage shall result, that could increase the risk of fire or electric		P
26.8	Temperature test of IEC 60068-2-14, test procedure Nb		P
26.9	Force test on isolating caps at 20 N or 40 N for 1 minute		P
27	**SCREWS, CURRENT CARRYING PARTS AND CONNECTIONS**		**P**
27.1	Connections withstand the mechanical stresses occurring in normal use		P
	Screws transmitting contact pressure having a diameter of 3,5 mm, screw into a metal nut or metal insert		N/A
	Screws comply with the engagement test	See appended table 27.1	N/A

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
	The screws or nuts are tightened and loosened:		N/A
	- ten times for screws in engagement with a thread of insulating material		N/A
	- five times for nuts and other screws		N/A
	Torque applied (Nm) ..... :		N/A
	After the test, the clamping unit shall not have undergone changes that adversely affect its further use		N/A
27.2	Screws engaging threads in insulating material have a suitable length and correct introduction is ensured		P
27.3	Contact pressure of electrical connections is not transmitted through insulating material unless insulating material is suitable for this use		P
27.4	Screws and rivets are locked against loosening		P
27.5	Current carrying parts are fabricated of suitable materials		P
27.6	Moving parts of contacts are suitably protected against corrosion		P
28	**CREEPAGE DISTANCES, CLEARANCES AND DISTANCE**		**P**
28.1	Creepage distances and clearance comply with IEC 60664-1 and 60664-3, when evaluated in accordance with 28.4	See appended table 28.1	P
28.2	Sealing compounds do not extend outside the cavity in which they are contained		N/A
28.3	Pollution degree is 4 for outdoor use equipment unless protection is afforded by another means		P
	Pollution degree applied..... :	Considered as pollution degree 3	P
28.4	Overvoltage category II applies		P
	Pollution degree 2 on printed wiring boards applies due to the use of protective coatings		N/A
	Pollution degree 1 on printed wiring boards applies due to the use of silicone rubber or potting compounds		N/A
	Clearances were evaluated based on test and measurement in IEC 60664-1		P
	Evaluation of clearance and creepage distances are in accordance with IEC 60664-1, Section 3		P
	Protective coatings were evaluated to IEC 60664-3		N/A
	Primary circuit voltages are evaluated using the next highest value in the table. Interpolation is only allowed for secondary circuits		N/A

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Determination of the dimensions of clearance and creepage distances shall be conducted in accordance with IEC 60664-1:2007, Subclause 6.2		P
29	**RESISTANCE TO HEAT, TO FIRE AND TO TRACKING**		**P**
29.1	Accessories are resistant to heat		P
29.2	Devices are heated in cabinet for 1 hour at a temperature of 110 + 5°C and comply with all criteria at the end of the exposure		P
	Marking still be easily legible		P
29.3	Insulating materials comply with the ball pressure test	See appended table 29.3	P
	Temperature (°C)..... :	See appended table 29.3	P
	Maximum deformation diameter (mm)..... :	See appended table 29.3	P
	For materials which deformation, this diameter not exceed 2 mm		P
29.4	External parts of insulating material and insulating material supporting live parts are resistant to abnormal heat and fire in accordance with IEC 60695-2-10	See appended table 29.4	P
	Temperature of glow wire tip (°C) ..... :	See appended table 29.4	P
	No visible flame and no sustained glowing, or		P
	Flame or glowing of the specimen or of the surroundings extinguish within 30 s after the removal of the glow-wire		N/A
	Surrounding parts have not burned away completely		P
	No permanent ignition of the tissue paper		P
29.5	Insulating parts supporting live parts are resistant to tracking in accordance with IEC 60112 PTI test, solution a, 175 V, 50 drops	See appended table 29.5	P
	No flashover or breakdown between electrodes		P
30	**CORROSION AND RESISTANCE TO RUSTING**		**P**
	Ferrous parts are protected against rusting		P
31	**CONDITIONAL SHORT-CIRCUIT CURRENT WITHSTAND TEST**		N/A
	Not applicable		N/A
32	**ELECTROMAGNETC COMPATIBILITY**		N/A
32.1	Immunity		N/A
32.2	Emission		N/A
33	**VEHICLE DRIVEOVER**		N/A
33.1	A plug or vehicle connector shall have adequate resistance to damage from being driven over by a vehicle		N/A

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict
33.2	Accessories wired with the min. size cable of a type recommended by the manufacturer shall be placed on a concrete floor in any normal position of rest	See appended table 33.2	N/A
33.4	This sub clause of part 1 is not applicable		N/A
33.5	This sub clause of part 1 is not applicable		N/A

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

Table 12.3	**TABLE: Short Time Test Currents**				N/A
Earthing Contact Designation	**Device Rating (A)**	**Test Current (A)**	**Time (seconds)**	**Continuity exists (Yes/No)**	**Results**
Supplementary information:					

Table 21.1	**TABLE: Dielectric Strength**	**P**
Test voltage applied between:	**Test potential applied (V)**	**Breakdown / flashover (Yes/No)**
between all poles connected together and the body (AC circuit)	2200	No
between each pole in turn and all others, these being connected to the body (AC circuit)	2200	No
between all poles connected together and the body (DC circuit)	3000	No
between each pole in turn and all others, these being connected to the body (DC circuit)	3000	No
Supplementary information:		

Table 21.2	**TABLE: Insulation Resistance**	**P**
Test voltage applied between:	**Test potential applied (V)**	**Insulation Resistance (MΩ)**
between all poles connected together and the body (AC circuit)	500	>10 (required ≥5)
between each pole in turn and all others, these being connected to the body (AC circuit)	500	>10 (required ≥5)
between all poles connected together and the body (DC circuit)	1000	>10 (required ≥5)
between each pole in turn and all others, these being connected to the body (DC circuit)	1000	>10 (required ≥5)
Supplementary information:		

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

Table 24.1	**TABLE: Heating Test**		**P**
	Test current (A)..... :	200 for DC; 42 for AC 2 for signal	—
	Ambient (ºC)..... :	See table below	—

Thermocouple Locations	**max. temperature measured (ºC)**	**max. temperature limit (ºC)**
DC circuit		
DC+ Terminal	Max.63,4	71,8
DC- Terminal	Max.65,7	71,8
CP Terminal	Max.29,9	71,8
Enclosure	Max.51,9 (corrected to 40 ambient temp.)	85,0
Ambient	21,8	—
AC circuit (L1-L2-L3)		
L1 Terminal	Max.51,8	72,2
L2 Terminal	Max.53,5	72,2
L3 Terminal	Max.51,9	72,2
CP Terminal	Max.40,6	72,2
Enclosure	Max.48,5 (corrected to 40 ambient temp.)	85,0
Ambient	22,2	—
AC circuit (L1-PE)		
L1 Terminal	Max.53,6	71,1
PE Terminal	Max.57,8	71,1
CP Terminal	Max.40,9	71,1
Enclosure	Max.47,6 (corrected to 40 ambient temp.)	85,0
Ambient	22,4	—
AC circuit (L3-N)		
L3 Terminal	Max.53,6	71,6
N Terminal	Max.54,8	71,6
CP Terminal	Max.40,4	71,6
Enclosure	Max.46,0 (corrected to 40 ambient temp.)	85,0
Ambient	21,6	—
Supplementary information: for WOER-CCS2-I-3AC32/DC200-02.		

Table 24.1	**TABLE: Heating Test**		**P**
	Test current (A)..... :	125 for DC 42 for AC 2 for signal	—
	Ambient (ºC)..... :	See table below	—

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple Locations	max. temperature measured (ºC)	max. temperature limit (ºC)
DC circuit		
DC+ Terminal	Max.51,4	73,7
DC- Terminal	Max.51,2	73,7
CP Terminal	Max.31,1	73,7
Enclosure	Max.48,5 (corrected to 40 ambient temp.)	85,0
Ambient	23,7	—
AC circuit (L1-L2-L3)		
L1 Terminal	Max.51,2	71,8
L2 Terminal	Max.51,5	71,8
L3 Terminal	Max.50,4	71,8
CP Terminal	Max.30,9	71,8
Enclosure	Max.47,3 (corrected to 40 ambient temp.)	85,0
Ambient	21,8	—
AC circuit (L1-PE)		
L1 Terminal	Max.51,6	72,4
PE Terminal	Max.51,3	72,4
CP Terminal	Max.29,7	72,4
Enclosure	Max.47,0 (corrected to 40 ambient temp.)	85,0
Ambient	22,4	—
AC circuit (L3-N)		
L3 Terminal	Max.50,4	73,1
N Terminal	Max.50,2	73,1
CP Terminal	Max.29,8	73,1
Enclosure	Max.47,3 (corrected to 40 ambient temp.)	85,0
Ambient	23,1	—
Supplementary information: for WOER-CCS2-I-3AC32/DC125-02.		

Table 27.1	TABLE: Threaded Part Torque Test		N/A
Threaded part identification	**Diameter of thread (mm)**	**Column number (I, II, or III)**	**Applied torque (Nm)**
Supplementary information:			

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

Table 28.1	TABLE: Clearance And Creepage Distance Measurements		P
	Rated voltage (V) ..... :	1000 for DC; 250 for AC	—
	Pollution degree ..... :	3	—
	Overvoltage category ..... :	II	—
	Insulation group ..... :	IIIa	—

clearance cl and creepage distance dcr at/of:	**Up (V)**	**U r.m.s. (V)**	**Required cl (mm)**	**cl (mm)**	**Required dcr (mm)**	**dcr (mm)**
Between live parts of different polarity (DC circuit)	—	1000	8,0	>10,4	11,0	>14,3
Between live parts and accessible metal parts (DC circuit)	—	1000	8,0	>10,4	11,0	>14,3
Between live parts and earthing contacts, fixing screws and similar devices (DC circuit)	—	1000	8,0	>10,4	11,0	>14,3
Between live parts and external assembly screws, other than screws which are on the engagement face of plugs and are isolated from the protective earthing contacts (DC circuit)	—	1000	8,0	>10,4	11,0	>14,3
Between live parts of different polarity (AC circuit)	—	480	1,5	>2,5	7,8	8,9
Between live parts and accessible metal parts (AC circuit)	—	250	3,0	>4,0	8,0	8,3
Between live parts and earthing contacts, fixing screws and similar devices (AC circuit)	—	250	3,0	>4,0	4,0	>5,2
Between live parts and external assembly screws, other than screws which are on the engagement face of plugs and are isolated from the protective earthing contacts (AC circuit)	—	250	3,0	>4,0	4,0	>5,2
Supplementary information:						

Table 29.3	TABLE: Ball Pressure Test of Thermoplastics	P
Allowed impression diameter (mm) .....:	2	—

Part	**Test temperature (°C)**	**Impression diameter (mm)**
Enclosure/ Back cover (AC/DC)/ Pin base/ Insulating cap	125	Max.1,3
Supplementary information:		

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

Table 29.4	**TABLE: Glow-wire Test**				**P**
part under test	**material designation**	**test temperature (°C)**	**visible flame and sustained glowing (Y/N)**	**flames and glowing extinction time**	**ignition of the tissue paper (Y/N)**
Enclosure/ Back cover (AC/DC)/ Pin base/ Insulating cap	PA66	850	N	-	N
Sealing gasket/ Sealing lid	Silicone rubber	650	N	-	N
Supplementary information:					

Table 29.5	**TABLE: Tracking Test**		**P**
part under test	**material designation**	**test voltage (V)**	**flashover / breakdown (Yes/No)**
Enclosure/ Back cover (AC/DC)/ Pin base/ Insulating cap	PA66	175	No
Supplementary information:			

Table 33.2	**TABLE: Vehicle Drive Over Test**		**N/A**
	Tire Size ..... :		—
	Force Applied (N) ..... :		—
	Tire Pressure (kPa) ..... :		
	Velocity (km/h) ..... :		
Sample Number	**Orientation**	**Results / Observations**	
Supplementary information:			

IEC 62196-3			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Critical components information				**P**
Object / part No.	**Manufacturer/ trademark**	**Type / model**	**Technical data**	**Standard**	**Mark(s) of conformity[1)]**
Enclosure/ Back cover (AC/DC)/ Pin base/ Insulating cap	BADA AG	A703 GF25FR HF(f1)	PA66	IEC 62196-1/-3	Tested with appliances
Sealing gasket/ Sealing lid	Shanghai Huitian New Material Co Ltd	5299W-S(f1)	Silicone rubber	IEC 62196-1/-3	Tested with appliances
Inlet pins (DC)	ZHONGJIAN Copper	T2	>99,9% copper	IEC 62196-1/-3	Tested with appliances
Inlet pins (AC)	Ningbo BOWAY	H62/QB 2.0	62% copper	IEC 62196-1/-3	Tested with appliances
Internal conductors	Shenzhen Woer New Energy Electrical Technology Co., Ltd.	-	Refer to page 5	IEC 62196-1/-3	Tested with appliances
Interlock	Shenzhen Lingsheng Technology Co Ltd	ELS5-V12M	Trigger voltage: DC12V	IEC 62196-1/-3	Tested with appliances
Supplementary information: [1)] Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

Attachment 1: Common modification according to EN 62196-1:2014			
Clause	Requirement + Test	Result - Remark	Verdict

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES
EN 62196-1:2014

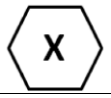
	CENELEC COMMON MODIFICATIONS (EN)	

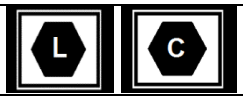
9	**DIMENSIONS**		—
9.1	Addition to subclause 9.2:		—
	9.2.Z1 If other non-EV standardized accessories may be physically joined together with the EV accessories, these shall not be able to function.		N/A
	EXAMPLE No function can be achieved by switching off the main contacts when no appropriate EV plug and vehicle inlet is inserted (see EN 61851-1).		—

Attachment 2: Additional requirements according to EN 17186:2019			
Clause	Requirement + Test	Result - Remark	Verdict

IDENTIFICATION OF VEHICLES AND INFRASTRUCTURES COMPATIBILITY - GRAPHICAL EXPRESSION FOR CONSUMER INFORMATION ON EV POWER SUPPLY

EN 17186:2019

5	**General identifier requirements**		—
5.1	Shape of identifier		P
	A single hexagonal, regular and horizontal shape of identifier has been selected for all kind of electrical interfaces.		P
	The shape for all electrical interfaces is a regular and horizontal hexagon.		P
5.2	Colour scheme for electrical interfaces		P
	The identifier shall be executed according to Annex A:		P
	— for the plug and socket-outlet, in black symbol with a white/silver internal background and a black outline;		N/A
	— for the vehicle connector and vehicle inlet, in a white/silver symbol with black internal background and a white/silver outline.		P
5.3	Size		P
	The minimum size of the identifier is defined for a potential need of more than one identifier to be put on a vehicle which can regularly use more than one electrical interface offered on the market, in combination with the available space.		P
	In order for the consumer to recognize the electrical interface when approaching the connecting point, a larger minimum size is set for the EV charging station.		N/A
	The size of the identifier shall be:		P
	— a minimum of 13 mm in diameter (width), with an outer line thickness of at least 1,4 points, for placement on the plug, on the vehicle connector, on the vehicle in the immediate proximity of the vehicle inlet, in the vehicle manual, and at the selection device;	Min.13mm	P
	— a minimum of 30 mm in diameter (width), with an outer line thickness of at least 3,2 points, for placement on the EV charging station adjacent to the socket outlet and in the vehicle dealership.		N/A
	The font size of the symbol shall be scalable to the size of the shape, but the minimum being 14 points for the 13 mm diameter and 32 points for 30 mm diameter.	Min.14 points, Min.4,94mm in height	P
5.4	Compatibility categorization		P

Attachment 2: Additional requirements according to EN 17186:2019			
Clause	Requirement + Test	Result - Remark	Verdict
	The electrical interface is categorized by a symbol.		P
	The symbol consists of a single letter in normal, Latin script. The symbol shall be based on an Arial Bold font.		P
	The symbol shall be placed in the middle of the shape		P
	The symbol categorization is provided by the Annex B		P
5.5	Durability		P
	The label on the car shall have a 10-year lifetime and shall be readable		P
	Labels on the EV charging station and the cable shall have a 10-year lifetime and shall be readable when tested in accordance with EN 62196-1:2014, 8.8		N/A
6	**Label description**		—
6.1	General		P
	The implementation of Directive 2014/94/EU provides information that is additional and complementary to legal metrology, national regulations and other information		P
	For recognition by newcomers at a connection point, especially consumers driving throughout Europe, the form and expression of such national information should be similar throughout Europe.		P
6.2	Basic label with mandatory identifier content		P
6.2.1	Content of the label		P
	The content of the basic label is only composed of the mandatory part (identifier) with no optional information.		P
6.2.2	Design of the label		P
	The design is mandatory.		P
	The height of section B is 130 % of the height of the hexagon.		P
	The minimum width of the rectangle containing an identifier is 130 % of the width of the hexagon. The maximum width of the rectangle containing an identifier is 300 % of the width of the hexagon.		P
6.3	Full label with mandatory identifier and possibly optional information	for the EV charging station only	N/A
6.3.1	Content of the label		N/A
	Table 1 describes the content of the complete label, composed of a mandatory part and optional information		N/A
	A — Product name		N/A

Attachment 2: Additional requirements according to EN 17186:2019			
Clause	Requirement + Test	Result - Remark	Verdict
	B — Identifier		N/A
	C — Power		N/A
	D — Additional information		N/A
6.3.2	Design of the label		N/A
	The design is mandatory.		N/A
	The height of section B is 130 % of the height of the hexagon.		N/A
	The minimum width of the rectangle containing an identifier is 130 % of the width of the hexagon. The maximum width of the rectangle containing an identifier is 300 % of the width of the hexagon.		N/A
	The heights of sections A and D are defined from the height of the section B and no more than 50 %.		N/A
	The height of the section C is defined from the height of the section B and no more than 33 %.		N/A
7	**Placement of the label**		—
7.1	General		P
	The use of the identifier is intended to meet the informational needs of a vehicle user arriving at a connecting point regarding the station/vehicle compatibility so that a consumer can easily identify the electrical interface that their vehicle can use.		P
	The presentation of the identifier shall be clearly visible during normal use, easily legible and displayed to the consumer on the location described in this clause.		P
7.2	Label location on EV charging stations, electric vehicles and detachable cable assembly		P
7.2.1	EV charging station		N/A
	Labels shall be affixed to an EV charging station as follows:		N/A
	— Label according to 6.2 adjacent to socket-outlet(s) or to the storage location(s) of vehicle connector(s) and;		N/A
	— Labels according to 6.1 with the identifier according to Annex B shall be affixed on the vehicle connector of each cable assembly or on a flag attached to each cable in the immediate proximity of the vehicle connector.		N/A
	— Label according to 6.1, in case of a payment or selection terminal that is separate from the EV charging station, it shall be affixed near or as part of the selection device.		N/A
7.2.2	Electric vehicle		P
	Labels with the identifier according to Annex B shall be affixed to an electric vehicle as follows:		P
	— near each vehicle inlet and;		P

Attachment 2: Additional requirements according to EN 17186:2019			
Clause	Requirement + Test	Result - Remark	Verdict
	— on each plug.		N/A
7.2.3	Detachable cable assembly		N/A
	Labels with the identifier according to Annex B shall be affixed to a detachable cable assembly as follows:		N/A
	— on the plug and;		N/A
	— on the vehicle connector.		N/A
7.3	Vehicle manuals and dealerships		N/A
	Information on whether a vehicle can use an electrical interface shall be indicated by use of the identifier in the user manuals and in vehicle dealerships in a way that is common practice and is easy to obtain and understand by the user of the vehicle.		N/A

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PHOTO DOCUMENTATION

Attachment 3 of CN229V0Z 001

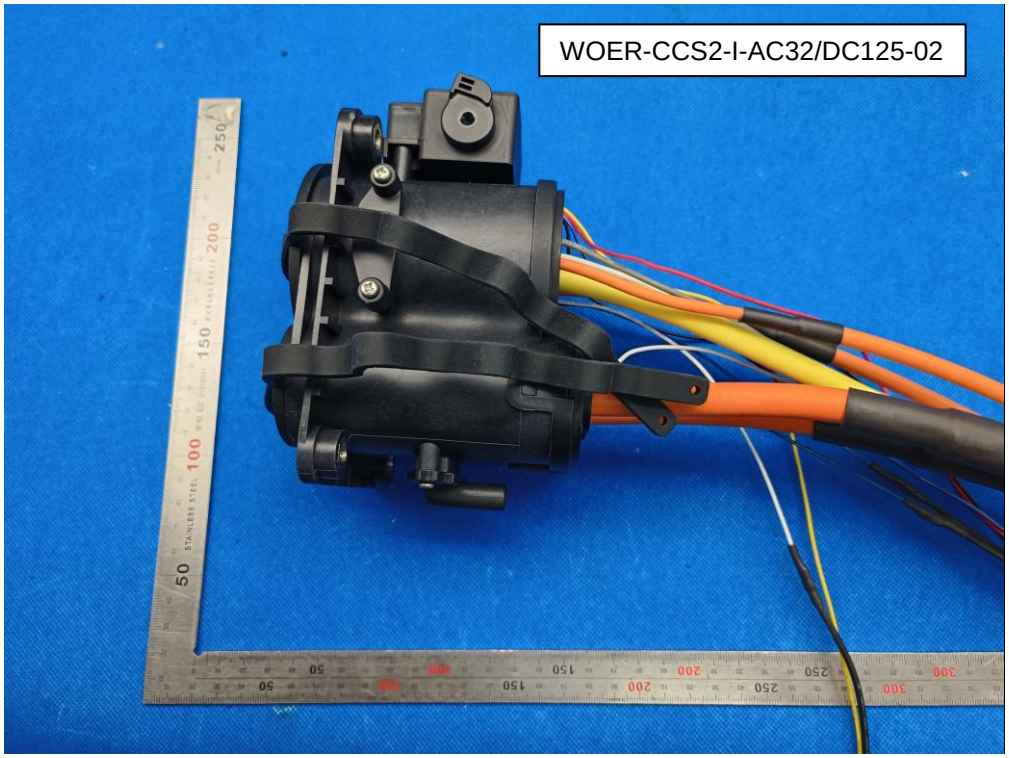
For

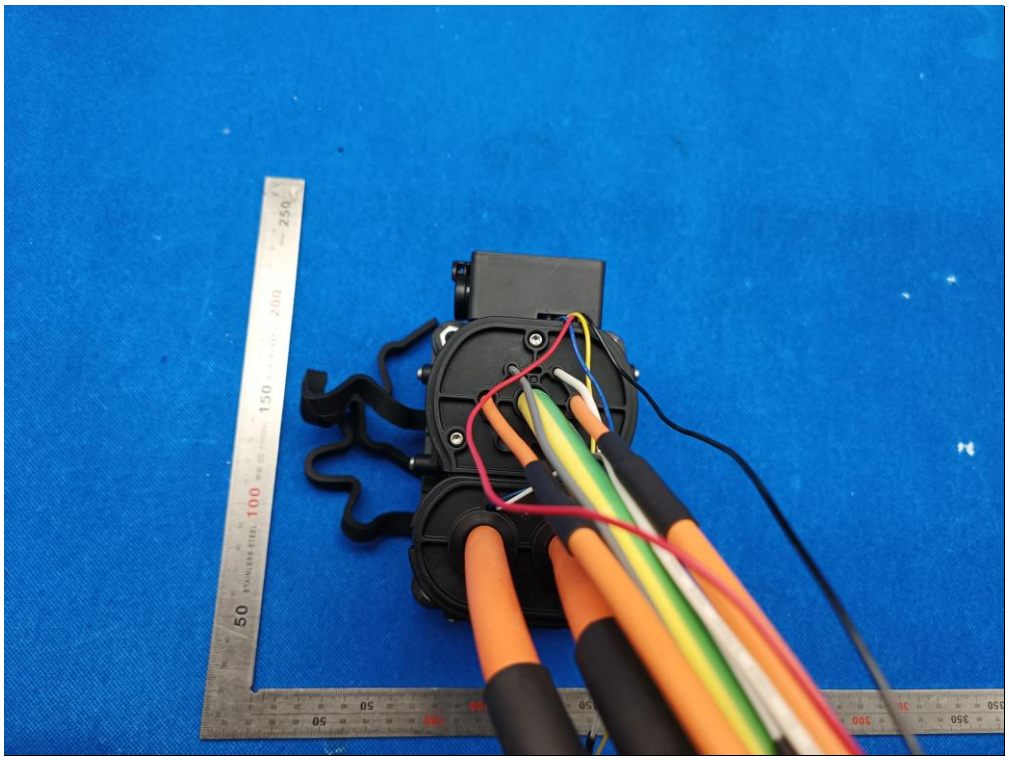
Vehicle Inlet for Conductive Charging of Electric Vehicles
WOER-CCS2-I-AC32/DC125-02; WOER-CCS2-I-3AC32/DC125-02; WOER-CCS2-I-AC32/DC200-02; WOER-CCS2-I-3AC32/DC200-02
Shenzhen Woer New Energy Electrical Technology Co., Ltd.

This documentation consists of 5 pages (excluding this cover page)

Report Number: Attachment 3 of CN229V0Z 001

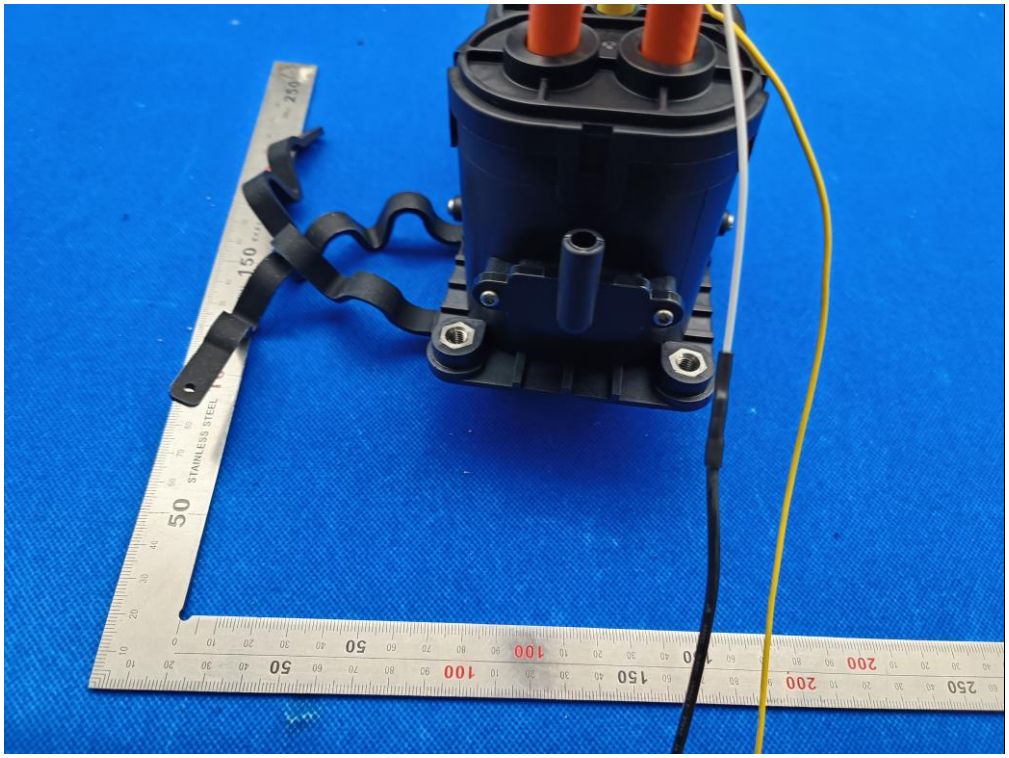
Model: WOER-CCS2-I-AC32/DC125-02; WOER-CCS2-I-3AC32/DC125-02; WOER-CCS2-I-AC32/DC200-02; WOER-CCS2-I-3AC32/DC200-02

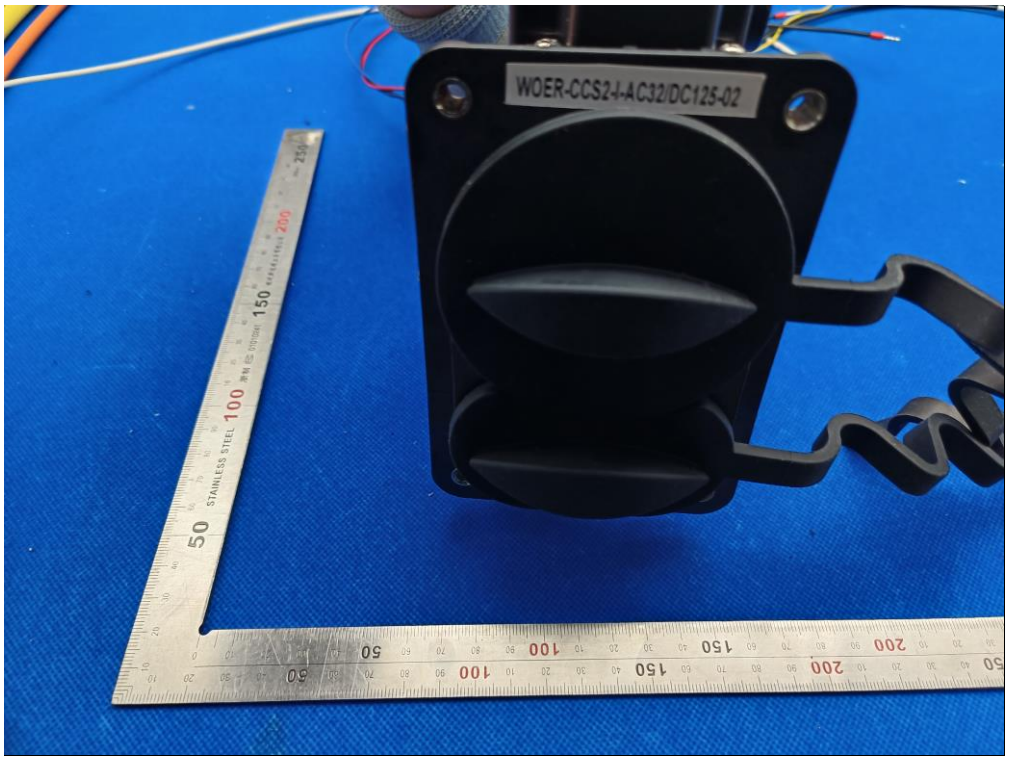


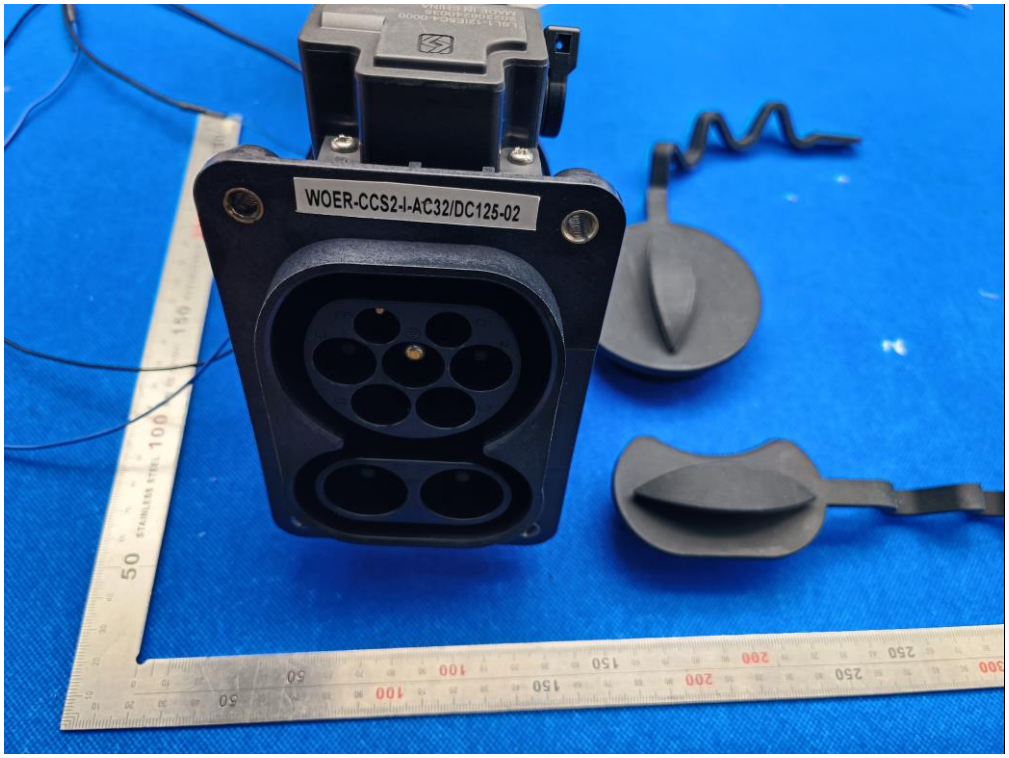


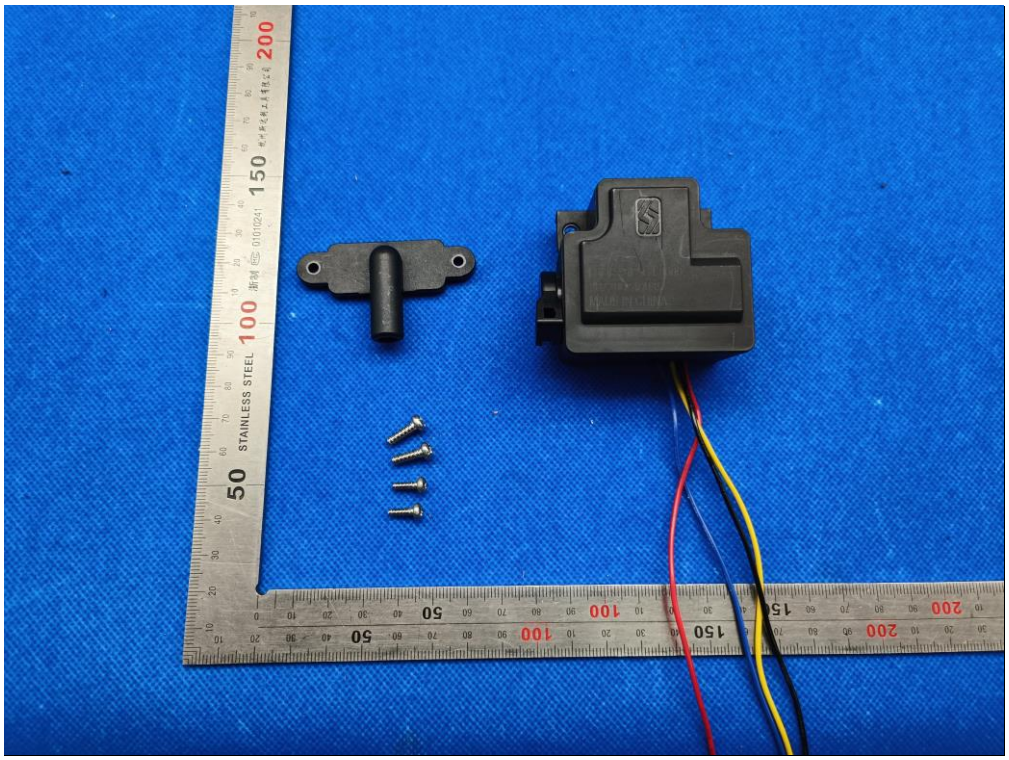
Report Number: Attachment 3 of CN229V0Z 001

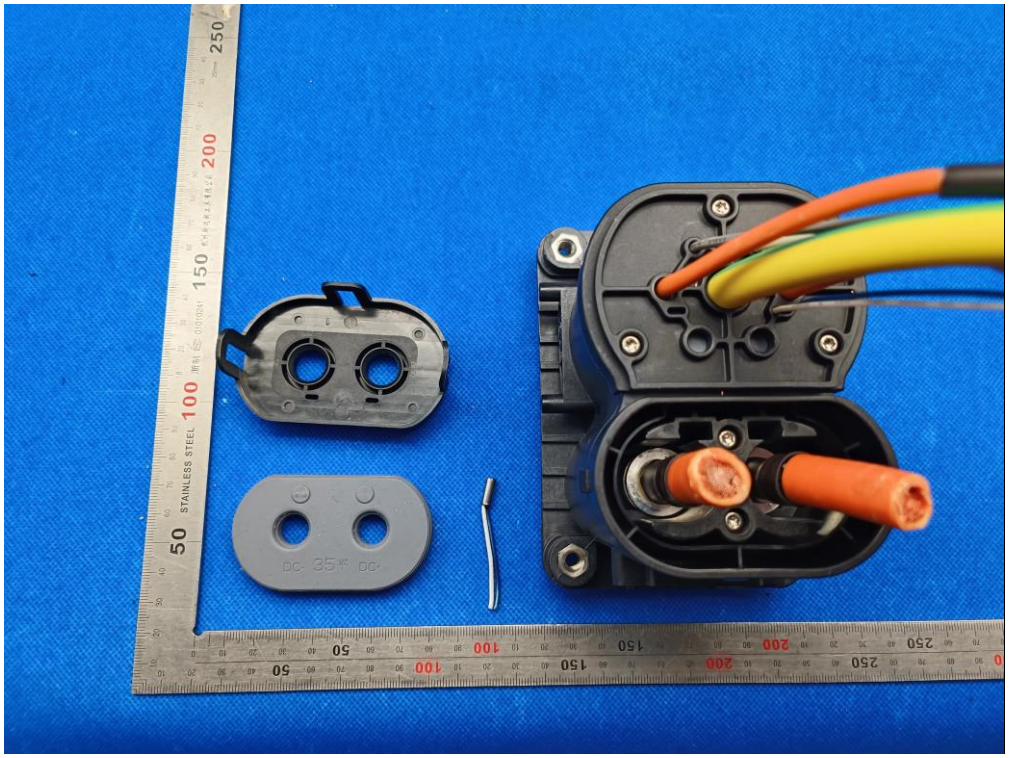
Model: WOER-CCS2-I-AC32/DC125-02; WOER-CCS2-I-3AC32/DC125-02; WOER-CCS2-I-AC32/DC200-02; WOER-CCS2-I-3AC32/DC200-02

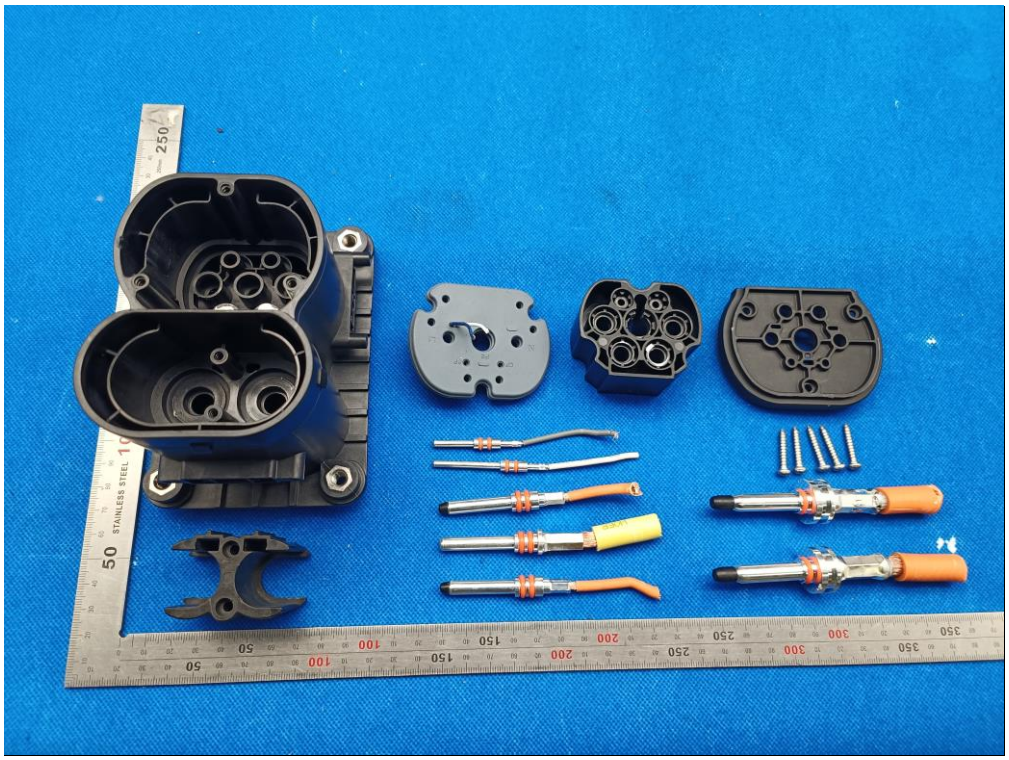





WOER-CCS2-I-AC32/DC125-02


STAINLESS STEEL





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Model: WOER-CCS2-I-AC32/DC125-02; WOER-CCS2-I-3AC32/DC125-02; WOER-CCS2-I-AC32/DC200-02; WOER-CCS2-I-3AC32/DC200-02

Model information:

Type Designation	WOER-CCS2-I-AC32/DC125-02	WOER-CCS2-I-3AC32/DC125-02	WOER-CCS2-I-AC32/DC200-02	WOER-CCS2-I-3AC32/DC200-02
Ratings	DC circuit: 125A 1000VDC AC circuit: 32A 250VAC	DC circuit: 125A 1000VDC AC circuit: 32A 480VAC	DC circuit: 200A 1000VDC AC circuit: 32A 250VAC	DC circuit: 200A 1000VDC AC circuit: 32A 480VAC
Pole configuration	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; L2; L3; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; N; PE; CP; PP	DC circuit: DC-; DC+; PE; CP; PP AC circuit: L1; L2; L3; N; PE; CP; PP
Wiring information	L1; N: 6mm² DC+; DC-; 35mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; L2; L3; N: 6mm² DC+; DC-; 35mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; N: 6mm² DC+; DC-; 70mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²	L1; L2; L3; N: 6mm² DC+; DC-; 70mm² PE: 25mm² CP; PP: 0,5 or 0,75mm²