

# SMA EV CHARGER



<b>System name:</b>		<b>Date:</b>	
<b>Address:</b>			
<b>Customer:</b>		<b>Test technician:</b>	
<b>Serial number of charging station:</b>			
<b>Initial test in accordance with DIN VDE 0100-600</b>	<input type="checkbox"/> Test performed	<b>Date:</b>	
<b>Retest in accordance with DIN VDE 0105-100</b>	<input type="checkbox"/> Test performed	<b>Date:</b>	
<b>Reason for test:</b>	<input type="checkbox"/> New system <input type="checkbox"/> Extension	<input type="checkbox"/> Modification <input type="checkbox"/> Repair	<input type="checkbox"/> Retest
<b>Grid:</b>	V	Hz	<b>Grid system:</b>
<b>Distribution grid operator:</b>			

Visual inspection	Ok	Not OK	Visual inspection	Ok	Not OK
No detectable damage to the charging station	<input type="checkbox"/>	<input type="checkbox"/>	Connectors correct	<input type="checkbox"/>	<input type="checkbox"/>
Charging cable undamaged	<input type="checkbox"/>	<input type="checkbox"/>	Grounding arrangement complete	<input type="checkbox"/>	<input type="checkbox"/>
Protection against external influences provided, suitable for mounting location	<input type="checkbox"/>	<input type="checkbox"/>	Documentation completely available (circuit diagram)	<input type="checkbox"/>	<input type="checkbox"/>
Secure mounting, anchor fastener present (mounting bracket)	<input type="checkbox"/>	<input type="checkbox"/>	Labeling of the charging station present and readable	<input type="checkbox"/>	<input type="checkbox"/>
Residual-current device correctly selected and connected	<input type="checkbox"/>	<input type="checkbox"/>	Accessibility guaranteed	<input type="checkbox"/>	<input type="checkbox"/>
Conductor cross-sections correctly selected and installation correctly performed (overcurrent protection)	<input type="checkbox"/>	<input type="checkbox"/>			

Measurement	Measured Value	Ok	Not OK
Continuity of grounding conductor RLo		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L1 and PE (AC terminal block)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L2 and PE (AC terminal block)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L3 and PE (AC terminal block)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between N and PE (AC terminal block)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L1 and PE (changing cable)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L2 and PE (changing cable)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between L3 and PE (changing cable)		<input type="checkbox"/>	<input type="checkbox"/>
Insulation resistance Riso between N and PE (changing cable)		<input type="checkbox"/>	<input type="checkbox"/>
Cut-off current, integrated residual-current device (DC)		<input type="checkbox"/>	<input type="checkbox"/>
Disconnection time, residual-current device (DC)		<input type="checkbox"/>	<input type="checkbox"/>
Cut-off current, RCD type A		<input type="checkbox"/>	<input type="checkbox"/>
Disconnection time, RCD type A		<input type="checkbox"/>	<input type="checkbox"/>
Impedance measurement		<input type="checkbox"/>	<input type="checkbox"/>
Rotary field direction		<input type="checkbox"/>	<input type="checkbox"/>
Voltage between L1 and PE		<input type="checkbox"/>	<input type="checkbox"/>
Voltage between L2 and PE		<input type="checkbox"/>	<input type="checkbox"/>
Voltage between L3 and PE		<input type="checkbox"/>	<input type="checkbox"/>
Voltage between N and PE		<input type="checkbox"/>	<input type="checkbox"/>

Testing	Ok	Not OK	Testing	Ok	Not OK
Function of protective devices (triggering of residual-current device)	<input type="checkbox"/>	<input type="checkbox"/>	Condition B - Vehicle connected, not ready for charging	<input type="checkbox"/>	<input type="checkbox"/>
Function of LEDs	<input type="checkbox"/>	<input type="checkbox"/>	Condition C - Vehicle connected and in charging mode	<input type="checkbox"/>	<input type="checkbox"/>
Access to user interface	<input type="checkbox"/>	<input type="checkbox"/>	Condition D - Fault: vehicle not compatible with the charging station	<input type="checkbox"/>	<input type="checkbox"/>
Condition A - Ready for operation, no vehicle connected	<input type="checkbox"/>	<input type="checkbox"/>	Condition E - Error: short circuit CP - Ground connection via internal diode	<input type="checkbox"/>	<input type="checkbox"/>

**End of test**

<b>Measuring devices used</b>	Product:	Type:
	Product:	Type:
	Product:	Type:

<b>Test result</b>	<input type="checkbox"/> No faults found	<input type="checkbox"/> Faults found
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<b>The system complies with the recognized rules of electrical engineering.</b>	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

<b>A safe use is guaranteed when used as intended.</b>	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

<b>Signatures</b>	<b>Customer:</b>	<b>Test technician:</b>
	Place, date	Place, date
	Signature	Signature

<b>Retest</b>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<b>Date:</b>
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**Comments**

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