Confirmation of Test Result

Corrosion testing of photovoltaic mounting structure
Assessment of effective earth continuity

Ref.:	Testreport-264335-TL7-1	
Applicant:	Ernst Schweizer AG, Solarsysteme, Bahnhofplatz 11, 8908 Hedingen, Schweiz	
Manufacturer:	Ernst Schweizer AG, Solarsysteme, Bahnhofplatz 11, 8908 Hedingen, Schweiz	
Product:	Middle Clamp MSP-PR-MCBG for PV mounting systems MSP-PR, MSP-TT, MSP-FR-S and MSP-FR-EW	
Standard:	DIN EN 60068-2-52:2018-08	Environmental testing- Salt mist
	DIN EN ISO 6988:1997-03	Sulfur dioxide test with general condensation of moisture
	DIN EN 61439-1:2019-04	Low voltage and control gear assemblies 10.5.2: Effective earth continuity between the exposed conductive parts of the class 1 assembly and the protective circuit
Type:	**MSP-PR-MCBG**	
Test conditions	**DIN EN ISO 6988:1997-03**	
	Testing Time	24 h
	Chamber temperature:	40±3 °C
	Test medium	0,2 dm³ SO_2
Test conditions	**DIN EN 60068-2-52:2018-08**	
	Severity level:	3
	Testing time:	168 h
	Chamber temperature:	40±2 °C
	Relative Humidity:	93±3 %
	Test medium:	5 % NaCl
	Mist pH level:	6,82
Test conditions	**DIN EN 61439-1:2019-04**	
	Current	40 A
	Time	2 min.
Pass criteria:	Earth continuity:	< 0.1 Ω

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Summary of test results:

Visual Inspection:	no obvious faults or deficiencies have been found	
Earth continuity test:	required	max. 0,1 Ω
	measured	max. 0,012 Ω

The complete test results and the relevant bill of materials are given
in Test Report No.: Testreport-264335-TL7-1

VDE Renewables GmbH

Ruben Schönfelner ***Jonas Brückner***

63755 Alzenau, 2019-09-19