



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 dm ³ 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



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 Schönfelder


Jonas Brückner

63755 Alzenau, 2019-09-19