



Confirmation of Test Result

Corrosion testing of photovoltaic mounting structure Assessment of effective earth continuity

Ref.: 10272/2024-40169

Applicant: Ernst Schweizer AG, Solarsysteme, Bahnhofplatz 11,
8908 Hedingen, Schweiz

Manufacturer: Ernst Schweizer AG, Solarsysteme, Bahnhofplatz 11,
8908 Hedingen, Schweiz

Product: PV mounting system MSP: clamps

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-MCG & MSP-PR-MCBG & MSP-PR-ECG & MSP-PR-ECBG**

Test conditions: DIN EN ISO 6988:1997-03

Testing Time: 24 h

Chamber temperature: 40±3 °C

Test medium: 0,2 dm³ SO₂

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±0,5 % NaCl

Mist pH level: 6.4...7.2

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. 0,030 Ω

The complete test results and the relevant bill of materials are given in Test Report No.: Testreport-318257-TL7-1

VDE Renewables GmbH

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