



# Confirmation of Test Result

## Corrosion testing of photovoltaic mounting structure Assessment of effective earth continuity

**Ref.:** Testreport-269666-TL7-1 rev1

**Applicant:** ESDEC B.V.  
Londenstraat 16, 7418 EE Deventer, The Netherlands

**Manufacturer:** ESDEC B.V.  
Londenstraat 16, 7418 EE Deventer, The Netherlands

**Product:** PV mounting system for flat roofs FlatFix Fusion  
PV mounting system for pitched roofs ClickFit EVO

**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 (*Kesternich test*)  
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:** FlatFix Fusion (bare metal) & ClickFit EVO (bare metal)

**Test conditions DIN EN ISO 6988:1997-03**

Testing Time	24 h
Chamber temperature:	40±3 °C
Test medium	0,2 dm <sup>3</sup> SO <sub>2</sub>

**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  $\Omega$   
measured max. 0,025  $\Omega$

The complete test results and the relevant bill of materials are given in Test Report No.: Testreport-269666-TL7-1 rev1

VDE Renewables GmbH

  
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