



DEHN Test Centre

Test report



No. 2532_SUJ

- Test object: **Connections of Sunbeam Supra East-West photovoltaic flat roof mounting system,**
manufacturer Sunbeam;
UNI Earthing Clamp (Part No. 540263),
manufacturer DEHN SE
- Applicant: *Sunbeam BV*
Kryptonweg 8
3812 RZ, Amersfoort
The Netherlands
- Type of testing:
- Test of the lightning impulse current carrying capability of the test classification N (50 kA) following the principles of IEC 62561-1:2023-03 (Edition 3.0), chapter 6.5 and chapter 6.6.
 - Evaluation of the PV flat roof mounting system as natural down-conductor of a lightning protection system, following the principles of IEC 62305-3 Edition 2.0 2010-12, chapter 5.3.5.
- Test result:
- **The test of the lightning current capability of connections photovoltaic flat roof mounting system Supra East-West for the test classification N (50 kA) passed the criteria of IEC 62561-1. The test samples show no visible damages.**
 - **The assessment of the photovoltaic flat roof mounting system according to IEC 62305-3:2010-12 (Edition 2.0); chapter 5.3.5, for the compliance with the minimum dimensions is made by the applicant, see Annex A.**
- Contents: 44 pages test report including 36 figures, 9 oscillograms and 3 annexes.

Neumarkt, 10.06.2024

Revision: 0

Markus Fritscher
Senior Technician

Daniel Wagner
Senior Technician

Tobias Meyer
Head of DEHN Test Centre