



DEHN Test Centre

Test report



No. 2216_FRM

- Test object: **Photovoltaic flat roof mounting system ValkPro+ L10° East-West (reduced size model, appr. 700 x 450 x 250 mm); manufacturer Van der Valk Solar Systems incl. UNI Earthing Clamps (Part-No. 540 260) with aluminium round wire (Ø 8 mm); manufacturer DEHN**
- Applicant: *Van der Valk Solar Systems B.V.
Westernesse 18
2635 BG Den Hoorn
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 62561-1:2017-03 (Edition 2.0), chapter 6.3.1 and chapter 6.4.
 - 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 the photovoltaic flat roof mounting system ValkPro+ L10° East-West for the test classification N (50 kA) passed the criteria of IEC 62561-1.¹⁾ 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.**
- Report: 75 pages test report including 33 figures, 9 oscillograms and 3 annexes. Available upon request at Van der Valk Solar Systems.

Neumarkt, 28th March 2022

Revision: 0

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1) DEHN UNI Earthing Clamps installing at the ends of the roof carrier profiles, must be positioned as shown on page 9, Figure 3!