



DEHN Test Centre Test report



No. 2543_WAD

Test object:	Photovoltaic flat roof mounting system WAVE SERIES; manufacturer Enstall EU Holding B.V. incl. KS Connector (Part-No. 301 010), MV-Clamp (Part-No. 390 550) with aluminium round wire Ø 8 mm; manufacturer DEHN SE
Applicant:	<i>Enstall EU Holding B.V.</i> <i>Londenstraat 16</i> <i>7418 EE Deventer</i> <i>The Netherlands</i>
Type of testing:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">➤ The test of the lightning current capability of the photovoltaic flat roof mounting system WAVE SERIES for the test classification N (50 kA) <u>passed</u> the criteria based on IEC 62561-1 (for more details, see page 5 and 6).➤ 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:	59 pages test report including 69 figures, 9 oscillograms and 1 annex.

Neumarkt, 28 June 2024

Revision: 0

Daniel Wagner
Senior Technician

Markus Fritscher
Senior Technician

Tobias Meyer
Head of DEHN Test Centre