Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-20356-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **16.11.2022**

Date of issue: 16.11.2022

Holder of accreditation certificate:

DEHN SE + Co KG

with its testing laboratory

DEHN SE + Co KG, DEHN Test Centre
Hans-Dehn-Straße 1, 92318 Neumarkt

The testing laboratory meets the minimal requirements of DIN EN ISO/IEC 17025:2018 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.
The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Electrical Engineering

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

Testing Field	Standard/ Version	Title of Standard (Deviations / Modifications of Standard)	Test Range / Restrictions
Electrical Engineering	IEC 61643-11:2011, modified EN 61643-11:2012 DIN EN 61643-11: 2013 VDE 0675-6-11:2013	Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power distribution systems – Requirements and test methods Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods (IEC 61643-11:2011, modified); German version EN 61643-11:2012	cl. 8.5 only IP 20 without cl. 8.5.4 without cl. 8.5.5 without Annex F
Electrical Engineering	IEC 61643-11:2011, modified EN 61643-11:2012+A11:2018 DIN EN 61643-11: 2019+Ber1:2019 VDE 0675-6-11:2019 +Ber1:2019	Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power distribution systems – Requirements and test methods Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods (IEC 61643-11:2011, modified); German version EN 61643-11:2012 + A11:2018	cl. 8.5 only IP 20 without cl. 8.5.4 without cl. 8.5.5 without Annex F
Electrical Engineering	IEC 61643-12:2008 modified EN 61643-12:2009 DIN CLC/TS 61643-12: 2010 VDE V 0675-6-12: 2010	Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power systems – Selection and application principles Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles	Only Annex F, O, P (IEC/EN) Annex J (DIN CLC/TS)
Electrical Engineering	IEC37A/287/ CDV:2016 E DIN EN 61643-12: 2017 E VDE V 0675-6-12: 2017	Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power systems – Selection and application principles Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles (IEC 37A/287/CD:2016)	Only Annex J, O, P (IEC) Annex F (E DIN EN)

Testing Field	Standard/ Version	Title of Standard (Deviations / Modifications of Standard)	Test Range / Restrictions
Electrical Engineering	EN 50539-11:2013/ A1:2014 DIN EN 50539-11: 2013/A1:2015-09; VDE 0675-39-11 2013/A1:2015-09	Low-voltage surge protective devices - Surge protective devices for specific applications including d.c. – Part 11: Requirements and tests for SPDs in photovoltaic applications Low-voltage surge protective devices - Surge protective devices for specific application including d.c. - Part 11: Requirements and tests for SPDs in photovoltaic applications; German version EN 50539-11:2013/A1:2014	without Annex B (outdoor use)
Electrical Engineering	IEC 61643-31:2018 EN 61643-31:2019 DIN EN 61643-31:2021 VDE 0675-6-31:2021	Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations	without Annex B (outdoor use)
Electrical Engineering	IEC 62305-1:2010 EN 62305-1:2011 DIN EN 62305-1:2011 VDE 0185-305-1:2011	Protection against lightning – Part 1: General Principles Protection against lightning - Part 1: General principles (IEC 62305-1:2010, modified); German version EN 62305-1:2011	Only Protection against lightning acc. Annex D
Electrical Engineering	IEC 62561-1:2012 modified EN 62561-1:2012 DIN EN 62561-1:2013 VDE 0185-561-1:2013	Lightning protection system components (LPSC) - Part 1: Requirements for connection components Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components (IEC 62561-1:2012, modified); German version EN 62561-1:2012	Without Annex C.3
Electrical Engineering	IEC 62561-1:2017 modified EN 62561-1:2017 DIN EN 62561-1:2017 VDE 0185-561-1:2017	Lightning protection system components (LPSC) - Part 1: Requirements for connection components Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components (IEC 62561-1:2017); German version EN 62561-1:2017	Without Annex D.4

Testing Field	Standard/ Version	Title of Standard (Deviations / Modifications of Standard)	Test Range / Restrictions
Electrical Engineering	IEC 62561-2:2018 + Cor1:2019 EN IEC 62561-2:2018 + AC:2019 DIN EN 62561-2:2019 VDE 0185-561-2:2019	Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes (IEC 62561-2:2018 + COR1:2019); German version EN IEC 62561-2:2018 + AC:2019	Without Annex A.4
Electrical Engineering	IEC 62561-3:2012 modified EN 62561-3:2012 DIN EN 62561-3:2013 VDE 0185-561-1:2013	Lightning protection system components (LPSC) Part 3: Requirements for isolating spark gaps (ISG) Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps	Without Annex A.4
Electrical Engineering	IEC 62561-3:2017 modified EN 62561-3:2017 DIN EN 62561-3:2018 VDE 0185-561-1:2018	Lightning protection system components (LPSC) Part 3: Requirements for isolating spark gaps (ISG) Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps (ISG) (IEC 62561-3:2017); German version EN 62561-3:2017	Without Annex B.4
Electrical Engineering	IEC 62561-4:2017 EN 62561-4:2017 DIN EN 62561-4 (VDE 0185-561-4):2018	Lightning protection system components (LPSC) Part 4: Requirements for conductor fasteners Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners	
Electrical Engineering	IEC 62561-5:2017 EN 62561-5:2017 DIN EN 62561-5:2018 VDE 0185-561-5: 2018	Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals Lightning protection system components (LPSC) - Part 5: Requirements for earth electrode inspection housings and earth electrode seals	

Testing Field	Standard/ Version	Title of Standard (Deviations / Modifications of Standard)	Test Range / Restrictions
Electrical Engineering	IEC/TS 62561-08:2018 DIN IEC/TS 62561-8:2019 VDE 0185-561-8:2019	Lightning protection system components (LPSC) Part 8: Requirements for components for isolated LPS Lightning protection system components (LPSC) - Part 8: Requirements for components for isolated LPS (IEC TS 62561-8:2018)	
Electrical Engineering	IEC 61400-24:2010 EN 61400-24:2010 DIN EN 61400-24: 2011 VDE 0127-24:2011	Wind turbines – Part 24: Lightning Protection Wind turbines - Part 24: Lightning protection (IEC 61400-24:2010); German version EN 61400-24:2010	Only Annex D.3 and H
Electrical Engineering	IEC 61400-24:2019 EN IEC 61400-24:2019 DIN EN IEC 61400-24:2020 VDE 0127-24:2020	Wind energy generation systems – Part 24: Lightning protection Wind energy generation systems - Part 24: Lightning protection	Only Annex D.3 and H
Electrical Engineering	CLC/TS 50703-1:2021	Lightning Protection System Components (LPSC) - Part 1: Testing requirements for metal sheets' joints used in LPS	Without Annex C.4
Electrical Engineering	CLC/TS 50703-2:2020	Lightning Protection System Components (LPSC) - Part 2: Specific testing requirements for LPS components used in explosive atmospheres	Without 6.2.3 without Annex A.4

Abbreviations used:

CLC/TS	European Committee for Electrotechnical Standardization
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation Registered Association)
EN	European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
VDE	Verband der Elektrotechnik Elektronik Informationstechnik e. V. (Association for Electrical, Electronic & Information Technologies)