

## Deutsche Akkreditierungsstelle

### Annex to the Accreditation Certificate D-PL-22157-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 11.05.2023

**Date of issue:** 06.07.2023

Holder of accreditation certificate:

**DEHN SE**

with its testing laboratory

**DEHN SE, DEHN Test Centre  
Hans-Dehn-Straße 1, 92318 Neumarkt**

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed 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.

Tests in the fields:

**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>.*

Abbreviations used: see last page

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**This document is a translation. The definitive version is the original German annex to the accreditation certificate.**

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Testing field	Standard / Version	Titel of Standard	Test Range / Restrictions
Electrical Engineering	IEC 61643-11:2011, modified	Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power distribution systems – Requirements and test methods	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	Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power distribution systems – Requirements and test methods	cl. 8.5 only IP 20 without cl. 8.5.4 without cl. 8.5.5 without Annex F
Electrical Engineering	DIN EN 61643-11: 2019 VDE 0675-6-11:2019	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	Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power systems – Selection and application principles	only Annex F, O, P (IEC/EN)
Electrical Engineering	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 distribution systems - Selection and application principles	Annex J (DIN CLC/TS)
Electrical Engineering	IEC37A/287/ CDV:2016	Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power systems – Selection and application principles	only Annex J, O, P (IEC)
Electrical Engineering	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 distribution systems - Selection and application principles (IEC 37A/287/CD:2016)	Annex F (E DIN EN)

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Electrical Engineering	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 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	Low-voltage surge protective devices - Part 31: Requirements and test methods for SPDs for photovoltaic installations	without Annex B (outdoor use)
Electrical Engineering	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	without Annex B (outdoor use)
Electrical Engineering	IEC 62305-1:2010	Protection against lightning – Part 1: General Principles	only protection against lightning acc. Annex D
Electrical Engineering	DIN EN 62305-1:2011 VDE 0185-305-1:2011	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	Lightning protection system components (LPSC) - Part 1: Requirements for connection components	without Annex C.3
Electrical Engineering	DIN EN 62561-1:2013 VDE 0185-561-1:2013	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	Lightning protection system components (LPSC) - Part 1: Requirements for connection components	without Annex D.4
Electrical Engineering	DIN EN 62561-1:2017 VDE 0185-561-1:2017	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
Electrical Engineering	IEC 62561-2:2018 + Cor1:2019	Lightning protection system components (LPSC) - Part 2: Requirements for conductors and earth electrodes	without Annex A.4

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Electrical Engineering	DIN EN 62561-2:2019 VDE 0185-561-2:2019	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	Lightning protection system components (LPSC) Part 3: Requirements for isolating spark gaps (ISG)	without Annex A.4
Electrical Engineering	DIN EN 62561-3:2013 VDE 0185-561-1:2013	Lightning Protection System Components (LPSC) - Part 3: Requirements for isolating spark gaps	without Annex A.4
Electrical Engineering	IEC 62561-3:2017 modified	Lightning protection system components (LPSC) Part 3: Requirements for isolating spark gaps (ISG)	without Annex B.4
Electrical Engineering	DIN EN 62561-3:2018 VDE 0185-561-1:2018	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	Lightning protection system components (LPSC) Part 4: Requirements for conductor fasteners	
Electrical Engineering	DIN EN 62561-4 (VDE 0185-561-4):2018	Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners	
Electrical Engineering	IEC 62561-5:2017	Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals	
Electrical Engineering	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	
Electrical Engineering	IEC/TS 62561-08:2018	Lightning protection system components (LPSC) Part 8: Requirements for components for isolated LPS	
Electrical Engineering	DIN IEC/TS 62561-8:2019 VDE 0185-561-8:2019	Lightning Protection System Components (LPSC) - Part 8: Requirements for components for isolated LPS (IEC 81/562/DTS:2017)	
Electrical Engineering	IEC 61400-24:2010	Wind turbines – Part 24: Lightning Protection	only Annex D.3 and H

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Electrical Engineering	DIN EN 61400-24:2011 VDE 0127-24:2011	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	Wind energy generation systems – Part 24: Lightning protection	only Annex D.3 and H
Electrical Engineering	DIN EN IEC 61400-24:2020 VDE 0127-24:2020	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 German institute for standardization

EN European standard

IEC International Electrotechnical Commission

ISO International Organization for Standardization

VDE Verband der Elektrotechnik Elektronik Informationstechnik e. V.

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