

# Accreditation



The Deutsche Akkreditierungsstelle attests with this **Accreditation Certificate** that the testing laboratory

**HSP Hochspannungsgeräte GmbH**  
**Camp-Spich-Straße 18, 53842 Troisdorf**

meets the requirements according to DIN EN ISO/IEC 17025:2018 for the conformity assessment activities listed in the annex to this certificate. This includes additional existing legal and normative requirements for the testing laboratory, including those in relevant sectoral schemes, provided they are explicitly confirmed in the annex to this certificate.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

This accreditation was issued in accordance with Art. 5 Para. 1 Sentence 2 of Regulation (EC) 765/2008, after an accreditation procedure was carried out in compliance with the minimum requirements of DIN EN ISO/IEC 17011 and on the basis of a review and decision of the appointed accreditation committees.

This accreditation certificate only applies in connection with the notices of 13.12.2023 with accreditation number D-PL-19413-01.

It consists of this cover sheet, the reverse side of the cover sheet and the following annex with a total of 03 pages.

Registration number of the accreditation certificate: **D-PL-19413-01-00**

Berlin, 13.12.2023

Florian Burkart  
Head of Technical Unit

Translation issued:  
06.03.2024



Florian Burkart  
Head of Technical Unit

*The certificate together with the annex 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 ([www.dakks.de](http://www.dakks.de)).*

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The Deutsche Akkreditierungsstelle GmbH (DAkKS) is the entrusted national accreditation body of the Federal Republic of Germany according to § 8 section 1 AkkStelleG in conjunction with § 1 section 1 AkkStelleGBV. DAkKS is designated as the national accreditation authority by Germany according to Art. 4 Para. 4 of Regulation (EC) 765/2008 and clause 4.7 of DIN EN ISO/IEC 17000.

Pursuant to Art. 11 section 2 of Regulation (EC) 765/2008, the accreditation certificate shall be recognised as equivalent by the national authorities within the scope of this Regulation as well as by the WTO member states that have committed themselves in bilateral or multilateral mutual agreements to recognise the certificates of accreditation bodies that are members of ILAC or IAF as equivalent.

DAkKS is a signatory to the multilateral agreements for mutual recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Co-operation (ILAC).

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)  
ILAC: [www.ilac.org](http://www.ilac.org)  
IAF: [www.iaf.nu](http://www.iaf.nu)

**Annex to the Accreditation Certificate D-PL-19413-01-00**

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

| Test area              | Standard / in house procedure / Version     | Title of standard or in house procedure (deviations / modifications of standard)                         | Test area / reductions                                                                          |
|------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Electrical engineering | IEC 60137:2017<br>EN 60137:2008             | Insulated bushings for alternating voltages above 1000 V                                                 | All tests except artificial pollution thermal short-time and seismic tests                      |
| Electrical engineering | DIN EN 60137:2009                           | Insulated bushings for alternating voltages above 1000 V (IEC 60137:2008); German version EN 60137:2008  | All tests except artificial pollution thermal short-time and seismic tests                      |
| Electrical engineering | IEC 60137:2017                              | Insulated bushings for alternating voltages above 1000 V                                                 | All tests except artificial pollution thermal short-time and seismic tests                      |
| Electrical engineering | DIN EN 60137:2018                           | Insulated bushings for alternating voltages above 1 000 V (IEC 60137:2017); German version EN 60137:2017 | All tests except artificial pollution thermal short-time and seismic tests                      |
| Electrical engineering | IEC 62199:2004<br>EN 62199:2004             | Bushings for d.c. application                                                                            |                                                                                                 |
| Electrical engineering | DIN EN 62199:2005                           | Bushings for d.c. application (IEC 62199:2004); German version EN 62199:2004                             |                                                                                                 |
| Electrical engineering | IEC/IEEE 65700-19-03<br>Edition 1.0 2014-07 | Bushings for d.c. application                                                                            | All tests except artificial pollution tests                                                     |
| Electrical engineering | IEEE C 57.19.00:2004                        | Requirements and test procedures for outdoor apparatus bushings                                          |                                                                                                 |
| Electrical engineering | IEEE C 57.19.01:2000                        | Standard performance characteristics and dimensions for outdoor apparatus bushings                       |                                                                                                 |
| Electrical engineering | IEEE C 57.19.03:1996                        | IEEE Standard requirements, terminology and test code for bushings for dc applications                   |                                                                                                 |
| Electrical engineering | IEC 60060-1:2010<br>EN 60060-1:2010         | High voltage test techniques. Part 1: General definitions and test requirements                          | U: 1800 kV AC<br>LI: $\pm$ 3500 kV<br>SI: $\pm$ 2500 kV<br>U: $\pm$ 2200 kV DC<br>Iac/dc: 10 kA |

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

| Test area              | Standard / in house procedure / Version | Title of standard or in house procedure (deviations / modifications of standard)                                                                            | Test area / reductions                                                                          |
|------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Electrical engineering | DIN EN 60060-1:2011                     | High-voltage test techniques - Part 1: General definitions and test requirements (IEC 60060-1:2010); German version EN 60060-1:2010                         | U: 1800 kV AC<br>LI: $\pm 3500$ kV<br>SI: $\pm 2500$ kV<br>U: $\pm 2200$ kV DC<br>Iac/dc: 10 kA |
| Electrical engineering | IEC 60270:2000<br>EN 60270:2000         | High-voltage test techniques – Partial discharge measurement                                                                                                |                                                                                                 |
| Electrical engineering | DIN EN 60270:2000                       | High-voltage test techniques - Partial discharge measurements (IEC 60270:2000 + Cor.:2001 + A1:2015); German version EN 60270:2001 + A1:2016; Corrigendum 1 |                                                                                                 |
| Electrical engineering | DIN EN 60270:2016                       | High-voltage test techniques - Partial discharge measurements (IEC 60270:2000 + Cor.:2001 + A1:2015); German version EN 60270:2001 + A1:2016                |                                                                                                 |
| Electrical engineering | IEC 60270 Ed 3.1 2015-11                | High-voltage test techniques - Partial discharge measurements (IEC 60270:2000 + Cor.:2001 + A1:2015)                                                        |                                                                                                 |

**Abbreviations used:**

|     |                                                                            |
|-----|----------------------------------------------------------------------------|
| DIN | Deutsches Institut für Normung e.V. – German institute for standardization |
| EN  | Europäische Norm – European Standard                                       |
| IEC | International Electrotechnical Commission                                  |
| ISO | International Organization for Standardisation                             |