

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-PL-19413-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from: 2019-03-07**

Date of issue: 2019-03-07

Holder of certificate:

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

Tests in the fields:

**High-Voltage Equipment using AC Voltage, DC Voltage, Impulse Voltages  
and thermal and mechanical Testings**

**The laboratory is permitted, without being required to inform and obtain prior approval from DAKKS, to use standard test methods listed here with different issue dates or revision status updates.**

**The testing laboratory maintains a current list of all testing 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 |

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

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.  
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

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| 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 60137:2009                           | Insulated bushings for alternating voltages above 1000 V  | 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 1000 V (IEC 60137:2017); German issue 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 62199:2004                           | Bushings for d.c. application (IEC 62199:2004); German issue 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: ± 3500 kV<br>SI: ± 2500 kV<br>U: ± 2200 kV DC<br>Iac/dc: 10 kA |

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| 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 issue EN 60060-1:2010          | U: 1800 kV AC<br>LI: ± 3500 kV<br>SI: ± 2500 kV<br>U: ± 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 measurement  |   |
| Electrical engineering | DIN EN 60270:2016                       | High-voltage test techniques – Partial discharge measurement (IEC 60270:2000 + Cor.:2001 + A1:2015); German issue EN 60270:2001 + A1:2016 |   |
| Electrical engineering | IEC 60270 Ed 3.1<br>2015-11             | High-voltage test techniques - Partial discharge measurements (IEC 60270:2000 + Cor.:2001 + A1:2015)                                      |   |
| Electrical engineering | IEC 60437:1997<br>EN 60437:1997         | Radio interference test on high-voltage insulators  |   |
| Electrical engineering | DIN EN 60437:1997                       | Radio interference test on high-voltage insulators (IEC 60437:1997); German issue EN 60437:1997   |   |

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