

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-20176-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 09.04.2018 to 30.01.2022

Date of issue: 09.04.2018

Holder of certificate:

Brehmer GmbH & Co. KG
Wilhelm-Grüner-Weg 22, 51674 Wiehl

Tests in the fields:

Environmental simulations of electrical and electronic components for road vehicles

Abbreviations used: see last page

1. Test methods:

DIN EN 60068-2-1 2008-01	Environmental testing - Part 2-1: Tests - Test A: Cold
DIN EN 60068-2-2 2008-05	Environmental testing - Part 2-2: Tests - Test B: Dry heat
DIN EN 60068-2-6 2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)
DIN EN 60068-2-14 2010-04	Environmental testing - Part 2-14: Tests - Test N: Change of temperature
DIN EN 60068-2-30 2006-06	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle) <i>(here: 8. testing Nb: Temperature change with specified rate of change)</i>
DIN EN 60068-2-38 2010-06	Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test

Annex to the accreditation certificate D-PL-20176-01-00

DIN EN 60068-2-64 2009-04	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance
DIN EN 60068-2-78 2014-02	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state
ISO 16750-3 2012-12	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads <i>(here: 4. Tests and requirements</i> <i>4.1 Vibration</i> <i>4.2 Mechanical shock)</i>
ISO 16750-4 2010-04	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads <i>(here: 5. Tests and requirements</i> <i>5.1 Tests at constant temperature</i> <i>5.2 Temperature step test</i> <i>5.3 Temperature cycling tests</i> <i>5.6 Humid heat, cyclic test</i> <i>5.7 Damp heat, steady-state test)</i>

Abbreviations used:

ISO	International organization for standardization
DIN	German Institute for Standardization
EN	European Standard