

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-12096-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 2020-12-07

Date of issue: 2020-12-07

Holder of certificate:

BorgWarner Ludwigsburg GmbH
Mörikestraße 155
71636 Ludwigsburg

Tests in the fields:

Electromagnetic Compatibility (EMC)

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 standards / equivalent testing procedures within the flexible scope of accreditation.

Department	Standard / in house procedure / Version	Title of standard or in house procedure	Test area / reductions
EMC	ISO 7637-2:2011	Road vehicles — Electrical disturbances from conduction and coupling — Part 2: Electrical transient conduction along supply lines only	

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

*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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Department	Standard / in house procedure / Version	Title of standard or in house procedure	Test area / reductions
EMC	ISO 7637-3:2007	Road vehicles — Electrical disturbances from conduction and coupling — Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines	
EMC	ISO 10605:2008	Road vehicles — Test methods for electrical disturbances from electrostatic discharge	
EMC	ISO 10605:2008 Amendment 1: 2014	Road vehicles — Test methods for electrical disturbances from electrostatic discharge	
EMC	ISO 10605:2008 Technical Corrigendum 1: 2010	Road vehicles — Test methods for electrical disturbances from electrostatic discharge	
EMC	ISO 11452-2:2004	Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 2: Absorber-lined shielded enclosure	
EMC	ISO 11452-4:2011	Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 4: Harness excitation methods	
EMC	ISO 11452-5:2002	Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 5: Stripline	

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EMC	ISO 11452-8:2007	Road vehicles — Component test methods for electrical disturbances from narrowband radiated electromagnetic energy — Part 8: Immunity to magnetic fields	
EMC	ISO 16750-2:2012	Road vehicles — Environmental conditions and testing for electrical and electronic equipment — Part 2: Electrical loads	
EMC	CISPR 25:2008	Vehicles, boats and internal combustion engines — Radio disturbance characteristics — Limits and methods of measurement for the protection of on-board receivers	Only tests of components: - CE (voltage and current method) - RE (ALSE and stripline method)
EMC	CISPR 25:2008 Corrigendum 1: 2009	Vehicles, boats and internal combustion engines — Radio disturbance characteristics — Limits and methods of measurement for the protection of on-board receivers	Only tests of components: - CE (voltage and current method) - RE (ALSE and stripline method)