

Anlage zur Akkreditierungsurkunde DAT-P-266/07-00 vom 15.12.2007
Annex to the accreditation certificate

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Inhaber der Akkreditierungsurkunde:
Holder of this accreditation certificate:

Research-Development and Testing National Institute for Electrical Engineering
ICMET CRAIOVA
Calea Bucuresti No. 144
200515 CRAIOVA
Romania

Der Geltungsbereich der Akkreditierung erstreckt sich auf die nachstehend genannten Gebiete und zugehörigen Prüfbereiche:

The scope of this accreditation indicates:

| Standard | Description |
|---|---|
| EMC-Laboratory | |
| Basic Standards | |
| IEC 61000-4-2 EN 61000-4-2 DIN EN 61000-4-2 | Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test. |
| IEC 61000-4-3 ¹⁾ EN 61000-4-3 ¹⁾ DIN EN 61000-4-3 ¹⁾ | Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test. |
| ¹⁾ Only up to 3 V/m / nur bis 3 GHz. | |
| IEC 61000-4-4 EN 61000-4-4 DIN EN 61000-4-4 | Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test. |
| IEC 61000-4-5 EN 61000-4-5 DIN EN 61000-4-5 | Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test. |
| IEC 61000-4-6 EN 61000-4-6 DIN EN 61000-4-6 | Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields. |
| IEC 61000-4-8 EN 61000-4-8 DIN EN 61000-4-8 | Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test. |

DATech Deutsche Akkreditierungsstelle

Technik in der TGA GmbH
 Gartenstraße 6
 60594 Frankfurt a. M.

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| Standard | Description |
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| IEC 61000-4-9 EN 61000-4-9 DIN EN 61000-4-9 | Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Pulse magnetic field immunity test. |
| IEC 61000-4-11 EN 61000-4-11 DIN EN 61000-4-11 | Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests. |
| Generic Standards | |
| IEC 61000-6-1 EN 61000-6-1 DIN EN 61000-6-1 | Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments. For the limitations see the basic standards. |
| IEC 61000-6-2 EN 61000-6-2 DIN EN 61000-6-2 | Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments. For the limitations see the basic standards. |
| IEC 61000-6-3 ²⁾ EN 61000-6-3 ²⁾ DIN EN 61000-6-3 ²⁾ | Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments. For the limitations see the basic standards. |
| IEC 61000-6-4 ²⁾ EN 61000-6-4 ²⁾ DIN EN 61000-6-4 ²⁾ | Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments For the limitations see the basic standards. |
| ²⁾ Except for radiated disturbance measurements. | |

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| Standard | Description |
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| Product Family Standards | |
| IEC/CISPR 55011 ³⁾ EN 55011 ³⁾ DIN EN 55011 ³⁾ | Industrial, scientific and medical (ISM) radio-frequency equipment – Radio disturbance characteristics – Limits and methods of measurement. |
| ³⁾ Only conducted disturbance measurement acc to clause 5.1. | |
| IEC/CISPR 55014-1 ⁴⁾ EN 55014-1 ⁴⁾ DIN EN 55014-1 ⁴⁾ | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission. |
| ⁴⁾ keine gestrahlten Störgrößen | |
| IEC/CISPR 55014-2 EN 55014-2 DIN EN 55014-2 | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity; Product family standard. |
| IEC/CISPR 55015 ⁵⁾ EN 55015 ⁵⁾ DIN EN 55015 ⁵⁾ | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment. |
| ⁵⁾ außer Punkt 7.2.4 | |
| IEC/CISPR 55022 ⁶⁾ EN 55022 ⁶⁾ DIN EN 55022 ⁶⁾ | Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement. |
| ⁶⁾ Only conducted disturbance measurement. | |
| IEC 61000-3-2 EN 61000-3-2 DIN EN 61000-3-2 | Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase). |
| IEC 61000-3-3 EN 61000-3-3 DIN EN 61000-3-3 | Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subjected to conditional connection. |

| Product Standards | |
|--|--|
| Standard | Description |
| EN 45501 DIN EN 45501 | Metrological aspects of non-automatic weighing instruments. |
| EN 50121-1 DIN EN 50121-1 | Railway applications – Electromagnetic compatibility – Part 1: General. |
| EN 50121-3-2 ⁷⁾ DIN EN 50121-3-2 ⁷⁾ | Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock; Apparatus. |
| ⁷⁾ Excluding measurement of radiated disturbance. | |
| EN 50155 ⁸⁾ DIN EN 50155 ⁸⁾ | Railway applications – Electronic equipment used on rolling stock. |
| ⁸⁾ Only EMC-requirements according to clause 10.2.6.1 (Supply overvoltages) and clause 10.2.6.2 (Surges, excluding waveform B). | |
| EN 50165 DIN EN 50165 | Electrical equipment of non-electric appliances for household and similar purposes – Safety requirements. |
| IEC 62052-11 ⁹⁾ EN 62052-11 ⁹⁾ DIN EN 62052-11 ⁹⁾ | Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment. |
| ⁹⁾ Only EMC-requirements and excluding: 1. Radiated immunity acc. to clause 7.5.3 2. Oscillatory waves immunity acc. to clause 7.5.7 3. Radio interference suppression acc. to clause 7.5.8. | |

Für die fachliche Richtigkeit der Prüfberichte sind verantwortlich:

Technical responsibility for the test reports:

Mr. Eng. Mihai

Mr. Eng. Nicolescu

Die Akkreditierung gilt nur für Produkte, deren Prüfung und/oder Zertifizierung durch Drittstellen nicht durch Rechtsvorschriften vorgeschrieben sind.

The accreditation is valid for products which are not mandatory to be tested and/or certificated by third parties.

