

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12095-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 16.12.2024

Date of issue: 18.03.2025

This annex is a part of the accreditation certificate D-PL-12095-01-00.

Holder of partial accreditation certificate:

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26, 32758 Detmold

with the locations

Weidmüller Interface GmbH & Co. KG
Zentrallabor – Standort Detmold
Orbker Straße 48, 32758 Detmold

Weidmüller Interface GmbH & Co. KG
Zentrallabor – Standort Paderborn
Zukunftsmeile 2, 33102 Paderborn

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

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.

Safety of electronic equipment, industrial low-voltage devices, connectors, Environmental testing and electromagnetic compatibility (EMC)

This certificate annex is only valid together with the written accreditation certificate and 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 at <https://www.dakks.de>.

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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 methods within the flexible scope of accreditation. Abbreviations used:

Testing field	Standard / in-house procedure / Version	Title of Standard or in-house procedure	Test range / Restrictions
Safety	DIN EN 50178 :1998	Electronic equipment for use in power installations; German version EN 50178:1997	DT)
Safety	IEC 61131-2 :2007	Industrial-process measurement and control -Programmable controllers – Part 2: Equipment requirements and tests	DT) Except: Section 12.1.6. PB) Except: Section 6.3.1 Section 6.3.2 Section 9 Section 12.1.4 Section 12.1.6
Safety	DIN EN 61131-2 :2008	Programmable controllers - Part 2: Equipment requirements and tests (IEC 61131-2:2007); German version EN 61131-2:2007	DT) Except: Section 12.1.6. PB) Except: Section 6.3.1 Section 6.3.2 Section 9 Section 12.1.4 Section 12.1.6
Safety	IEC 61010-1 :2010	Safety requirements for electrical equipment for measurement, control, and laboratory use- Part 1: General requirements	DT), PB)
Safety	DIN EN 61010-1 :2011	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 1: General requirements (IEC 61010-1:2010 + Cor. :2011); German version EN 61010-1:2010	DT), PB)
Safety	IEC 61010-2-201 :2017	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-201: Particular requirements for control equipment	DT), PB)
Safety	DIN EN 61010-2-201 :2014	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-201: Particular requirements for	DT), PB)

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		control equipment (IEC 61010-2-201:2013); German version EN 61010-2-201:2013 + AC:2013	
Industrial low-voltage devices	IEC 60947-7-1 :2009	Low-voltage switchgear and controlgear – Part 7-1: Ancillary equipment - Terminal blocks for copper conductors	DT)
Industrial low-voltage devices	DIN EN 60947-7-1 :2010	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors	DT)
Industrial low-voltage devices	IEC 60947-7-2 :2009	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors	DT)
Industrial low-voltage devices	DIN EN 60947-7-2 :2010	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors (IEC 60947-7-2:2009); German version EN 60947-7-2:2009	DT)
Industrial low-voltage devices	IEC 60947-7-3 :2009	Low-voltage switchgear and controlgear - Part 7-3: Ancillary equipment - Safety requirements for fuse terminal blocks	DT)
Industrial low-voltage devices	DIN EN 60947-7-3 :2010	Low-voltage switchgear and controlgear - Part 7-3: Ancillary equipment - Safety requirements for fuse terminal blocks (IEC 60947-7-3:2009); German version EN 60947-7-3:2009	DT)
Industrial low-voltage devices	IEC 60947-7-4 :2013	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors	DT)
Industrial low-voltage devices	DIN EN 60947-7-4 :2014	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (IEC 60947-7-4:2013); German version EN 60947-7-4:2013	DT)
Industrial low-voltage devices	IEC 62208 :2011	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements	DT)
Industrial low-voltage devices	DIN EN 62208 :2012	Empty enclosures for low-voltage switchgear and controlgear assemblies – General requirements (IEC 62208:2011); German version EN 62208:2011	DT)
Connectors	IEC 61984 :2008	Connectors - Safety requirements and tests	DT)

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Connectors	DIN EN 61984 :2009	Connectors - Safety requirements and tests (IEC 61984:2008); German version EN 61984:2009	DT)
Connectors	IEC 60999-1 :1999	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm ² up to 35 mm ² (included)	DT)
Connectors	DIN EN 60999-1 :2000	Connecting devices - Electrical copper conductors; Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors 0,2 mm ² up to 35 mm ² (included) (IEC 60999-1:1999, modified); German version EN 60999-1:2000	DT)
Connectors	IEC 60999-2 :2003	Connecting devices - Electrical copper conductors; Safety requirements for screw-type and screwless-type clamping units - Part 2: Particular requirements for clamping units for conductors from 35 mm ² up to 300 mm ² (included)	DT)
Connectors	DIN EN 60999-2 :2004	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 2: Particular requirements for clamping units for conductors above 35 mm ² up to 300 mm ² (included) (IEC 60999-2:2003); German version EN 60999-2:2003	DT)
Connectors	IEC 60512-1 :2001	Connectors for electronic equipment - Tests and measurements - Part 1: General	DT)
Connectors	DIN EN 60512-1 :2001	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification (IEC 60512-1:2018); German version EN IEC 60512-1:2018	DT)
Connectors	IEC 60512-1-1 :2002	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination; Test 1a: Visual examination	DT), PB)
Connectors	DIN EN 60512-1-1 :2003	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination; Test 1a: Visual examination	DT), PB)

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		(IEC 60512-1-1:2002); German version EN 60512-1-1:2002	
Connectors	IEC 60512-2-1 :2002	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests; Test 2a: Contact resistance - Millivolt level method	DT), PB)
Connectors	DIN EN 60512-2-1 :2003	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests; Test 2a: Contact resistance; Millivolt level method (IEC 60512-2-1:2002); German version EN 60512-2-1:2002	DT), PB)
Connectors	IEC 60512-3-1 :2002	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests; Test 3a: Insulation resistance	DT), PB)
Connectors	DIN EN 60512-3-1 :2003	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests; Test 3a: Insulation resistance (IEC 60512-3-1:2002); German version EN 60512-3-1:2002	DT), PB)
Connectors	IEC 60512-4-1 :2003	Connectors for electronic equipment - Tests and measurements - Part 4-1: Voltage stress tests; Test 4a: Voltage proof	DT), PB)
Connectors	DIN EN 60512-4-1 :2004	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests; Test 3a: Insulation resistance (IEC 60512-3-1:2002); German version EN 60512-3-1:2002	DT), PB)
Connectors	IEC 60512-5-1 :2002	Connectors for electronic equipment - Tests and measurements - Part 5-1: Current-carrying capacity tests; Test 5a: Temperature rise	DT)
Connectors	DIN EN 60512-5-1 :2003	Connectors for electronic equipment - Tests and measurements - Part 5-1: Current-carrying capacity tests; Test 5a: Temperature rise (IEC 60512-5-1:2002); German version EN 60512-5-1:2002	DT)
Connectors	IEC 60512-5-2 :2002	Connectors for electronic equipment - Tests and measurements - Part 5-2: Current-carrying capacity tests; Test 5b: Current-temperature derating	DT)

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Connectors	DIN EN 60512-5-2 :2003	Connectors for electronic equipment - Tests and measurements - Part 5-2: Current-carrying capacity tests; Test 5b: Current-temperature derating (IEC 60512-5-2:2002); German version EN 60512-5-2:2002	DT)
Connectors	IEC 60512-6-2 :2002	Connectors for electronic equipment - Tests and measurements - Part 6-2: Dynamic stress tests; Test 6b: Bump	DT)
Connectors	DIN EN 60512-6-2 :2003	Connectors for electronic equipment - Tests and measurements - Part 6-2: Dynamic stress tests; Test 6b: Bump (IEC 60512-6-2:2002); German version EN 60512-6-2:2002	DT)
Connectors	IEC 60512-6-3 :2002	Connectors for electronic equipment - Tests and measurements - Part 6-3: Dynamic stress tests; Test 6c: Shock	DT)
Connectors	DIN EN 60512-6-3 :2003	Connectors for electronic equipment - Tests and measurements - Part 6-3: Dynamic stress tests; Test 6c: Shock (IEC 60512-6-3:2002); German version EN 60512-6-3:2002	DT)
Connectors	IEC 60512-6-4 :2002	Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests; Test 6d: Vibration (sinusoidal)	DT)
Connectors	DIN EN 60512-6-4 :2003	Connectors for electronic equipment – Tests and measurements - Part 6-4: Dynamic stress tests; Test 6d: Vibration (sinusoidal) (IEC 60512-6-4:2002); German version EN 60512-6-4:2002	DT)
Connectors	IEC 60512-6-5 :1997	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 6: Dynamic stress tests - Section 5: Test 6e: Random vibration	DT)
Connectors	DIN EN 60512-6-5 :2000	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 6: Dynamic stress tests; section 5: Test 6e: Random vibration (IEC 60512-6-5:1997, modified); German version EN 60512-6-5:1999	DT)
Connectors	IEC 60512-8-1 :2010	Connectors for electronic equipment - Tests and measurements - Part 8-1: Static load tests (fixed connectors) - Test 8a: Static load, transverse	DT)

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Connectors	DIN EN 60512-8-1 :2011	Connectors for electronic equipment - Tests and measurements - Part 8-1: Static load tests (fixed connectors) - Test 8a: Static load, transverse (IEC 60512-8-1:2010); German version EN 60512-8-1:2010	DT)
Connectors	IEC 60512-8-2 :2011	Connectors for electronic equipment - Tests and measurements - Part 8-2: Static load tests (fixed connectors) - Test 8b: Static load, axial	DT)
Connectors	DIN EN 60512-8-2 :2012	Connectors for electronic equipment - Tests and measurements - Part 8-2: Static load tests (fixed connectors) - Test 8b: Static load, axial (IEC 60512-8-2:2011); German version EN 60512-8-2:2011	DT)
Connectors	IEC 60512-8-3 :2011	Connectors for electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever	DT
Connectors	DIN EN 60512-8-3 :2012	Connectors for electronic equipment - Tests and measurements - Part 8-3: Static load tests (fixed connectors) - Test 8c: Robustness of actuating lever (IEC 60512-8-3:2011); German version EN 60512-8-3:2011	DT)
Connectors	IEC 60512-9-1 :2010	Connectors for electronic equipment - Tests and measurements - Part 9-1: Endurance tests - Test 9a: Mechanical Operation	DT)
Connectors	DIN EN 60512-9-1 :2010	Connectors for electronic equipment - Tests and measurements - Part 9-1: Endurance tests - Test 9a: Mechanical operation (IEC 60512-9-1:2010); German version EN 60512-9-1:2010	DT)
Connectors	IEC 60512-9-2 :2011	Connectors for electronic equipment - Tests and measurements - Part 9-2: Endurance tests - Test 9b: Electrical load and temperature	DT)
Connectors	DIN EN 60512-9-2 :2012	Connectors for electronic equipment - Tests and measurements - Part 9-2: Endurance tests - Test 9b: Electrical load and temperature (IEC 60512-9-2:2011); German version EN 60512-9-2:2012	DT)
Connectors	IEC 60512-9-5 :2020	Connectors for electronic equipment - Tests and measurements - Part 9-5:	DT)

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		Endurance tests - Test 9e: Current loading, cyclic	
Connectors	DIN EN IEC 60512-9-5:2021	Connectors for electronic equipment - Tests and measurements - Part 9-2: Endurance tests - Test 9b: Electrical load and temperature (IEC 60512-9-2:2011); German version EN 60512-9-2:2012	DT)
Connectors	IEC 60512-12-1 :2006	Connectors for electronic equipment - Tests and measurements - Part 12-1: Soldering tests - Test 12a: Solderability, wetting, solder bath method	DT)
Connectors	DIN EN 60512-12-1 :2006	Connectors for electronic equipment – Tests and measurements - Part 12-1: Soldering tests - Test 12a: Solderability, wetting, solder bath method (IEC 60512-12-1:2006); German version EN 60512-12-1:2006	DT)
Connectors	IEC 60512-12-4 :2006	Connectors for electronic equipment - Tests and measurements - Part 12-4: Soldering tests - Test 12d: Resistance to soldering heat, solder bath method	DT)
Connectors	DIN EN 60512-12-4 :2006	Connectors for electronic equipment - Tests and measurements - Part 12-4: Soldering tests - Test 12d: Resistance to soldering heat, solder bath method (IEC 60512-12-4:2006); German version EN 60512-12-4:2006	DT)
Connectors	IEC 60512-12-7 :2001	Connectors for electronic equipment - Tests and measurements - Part 12-7: Soldering tests; Test 12g: Solderability, wetting balance method	DT)
Connectors	DIN EN 60512-12-7 :2001	Connectors for electronic equipment - Tests and measurements - Part 12-7: Soldering tests; Test 12g: Solderability, wetting balance method (IEC 60512-12-7:2001); German version EN 60512-12-7:2001	DT)
Connectors	IEC 60512-13-2 :2006	Connectors for electronic equipment - Tests and measurements - Part 13-2: Mechanical operation tests - Test 13b: Insertion and withdrawal force	DT)
Connectors	DIN EN 60512-13-2 :2006	Connectors for electronic equipment - Tests and measurements - Part 13-2: Mechanical operation tests - Test 13b: Insertion and withdrawal forces (IEC 60512-13-2:2006); German version EN 60512-13-2:2006	DT)

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Connectors	IEC 60512-13-5 :2006	Connectors for electronic equipment - Tests and measurements - Part 13-5: Mechanical operation tests - Test 13e: Polarizing and keying method	DT)
Connectors	DIN EN 60512-13-5 :2006	Connectors for electronic equipment - Tests and measurements - Part 13-5: Mechanical operation tests - Test 13e: Polarizing and keying method (IEC 60512-13-5:2006); German version EN 60512-13-5:2006	DT)
Connectors	IEC 60695-2-11 :2014	Fire hazard testing - Part 2-11: Glowing / hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)	DT
Connectors	DIN EN 60695-2-11 :2014	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT) (IEC 60695-2-11:2014); German version EN 60695-2-11:2014	DT)
Connectors	IEC 60695-11-5 :2004	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	DT)
Connectors	DIN EN 60695-11-5 :2005	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-5:2004); German version EN 60695-11-5:2005	DT)
Environmental simulation	IEC 60068-2-1 :2007	Environmental testing - Part 2-1: Tests - Test A: Cold	DT), PB)
Environmental simulation	DIN EN 60068-2-1 :2008	Environmental testing - Part 2-1: Tests - Test A: Cold (IEC 60068-2-1:2007); German version EN 60068-2-1:2007	DT), PB)
Environmental simulation	IEC 60068-2-2 :2007	Environmental testing - Part 2-2: Tests - Test B: Dry heat	DT), PB)
Environmental simulation	DIN EN 60068-2-2 :2008	Environmental testing - Part 2-2: Tests - Test B: Dry heat (IEC 60068-2-2:2007); German version EN 60068-2-2:2007	DT), PB)
Environmental simulation	IEC 60068-2-6 :2007	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	DT)
Environmental simulation	DIN EN 60068-2-6 :2008	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal) (IEC 60068-2-6:2007); German version EN 60068-2-6:2008	DT)

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Environmental simulation	IEC 60068-2-20 :2008	Environmental testing - Part 2: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	DT)
Environmental simulation	DIN EN 60068-2-20 :2009	Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads (IEC 60068-2-20:2008); German version EN 60068-2-20:2008	DT)
Environmental simulation	IEC 60068-2-27 :2008	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	DT)
Environmental simulation	DIN EN 60068-2-27 :2010	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock (IEC 60068-2-27:2008); German version EN 60068-2-27:2009	DT)
Environmental simulation	IEC 60068-2-31 :2008	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	DT), PB)
Environmental simulation	DIN EN 60068-2-31 :2009	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens (IEC 60068-2-31:2008); German version EN 60068-2-31:2008	DT), PB)
Environmental simulation	IEC 60068-2-52 :1996	Environmental testing - Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)	DT)
Environmental simulation	DIN EN 60068-2-52 :1996	Environmental testing - Part 2: Tests, Test Kb: Salt mist, cyclic (sodium chloride solution) (IEC 60068-2-52:1996); German version EN 60068-2-52:1996	DT)
Environmental simulation	IEC 60068-2-78 :2012	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	DT), PB)
Environmental simulation	DIN EN 60068-2-78 :2014	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state (IEC 60068-2-78:2012); German version EN 60068-2-78:2013	DT), PB)
Environmental simulation	ISO 9227 :2017	Corrosion tests in artificial atmospheres - Salt spray tests	DT)
Environmental simulation	DIN EN ISO 9227 :2017	Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2017); German version EN ISO 9227:2017	DT)
Environmental simulation	DIN EN 60529 :2014	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989 + A1:1999 + A2:2013); German version EN 60529:1991 + A1:2000 + A2:2013	DT)

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Environmental simulation	IEC 60529 :1989 + A1:1999 + A2:2013	Degrees of protection provided by enclosures (IP code)	DT)
Environmental simulation	IEC 60512-11-4 :2002	Connectors for electronic equipment - Tests and measurements - Part 11-4: Climatic tests; Test 11d: Rapid change of temperature	DT), PB)
Environmental simulation	DIN EN 60512-11-4 :2003	Connectors for electronic equipment - Tests and measurements - Part 11-4: Climatic tests; Test 11d: Rapid change of temperature (IEC 60512-11-4:2002); German version EN 60512-11-4:2002	DT), PB)
Environmental simulation	IEC 60068-2-11 :1981	Basic environmental testing procedures. Part 2 : Tests. Test Ka: Salt mist	DT)
Environmental simulation	DIN EN 60068-2-11 :2000	Environmental testing - Part 2: Tests; test Ka: Salt mist (IEC 60068-2-11:1981); German version EN 60068-2-11:1999	DT)
Environmental simulation	IEC 60512-11-6 :2002	Connectors for electronic equipment - Tests and measurements - Part 11-6: Climatic tests; Test 11f: Corrosion, salt mist	DT)
Environmental simulation	DIN EN 60512-11-6 :2003	Connectors for electronic equipment - Tests and measurements - Part 11-6: Climatic tests; Test 11f: Corrosion, salt mist (IEC 60512-11-6:2002); German version EN 60512-11-6:2002	DT)
Environmental simulation	IEC 60068-2-30 :2005	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	DT), PB)
Environmental simulation	DIN EN 60068-2-30 :2006	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle) (IEC 60068-2-30:2005); German version EN 60068-2-30:2005	DT), PB)
Environmental simulation	IEC 60512-11-14 :2003	Connectors for electronic equipment - Tests and measurements - Part 11-14: Climatic tests; Test 11p: Flowing single gas corrosion test	DT)
Environmental simulation	DIN EN 60512-11-14 :2004	Connectors for electronic equipment - Tests and measurements - Part 11-14: Climatic tests - Test 11p: Flowing single gas corrosion test (IEC 60512-11-14:2003); German version EN 60512-11-14:2003	DT)
Environmental simulation	IEC 60512-11-7 :2003	Connectors for electronic equipment - Tests and measurements - Part 11-7: Climatic tests; Test 11g: Flowing mixed gas corrosion test	DT)

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Environmental simulation	DIN EN 60512-11-7 :2004	Connectors for electronic equipment - Tests and measurements - Part 11-7: Climatic tests – Test 11g: Flowing mixed gas corrosion test (IEC 60512-11-7:2003); German version EN 60512-11-7:2003	DT)
Environmental simulation	IEC 60068-2-60 :2015	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test	DT)
Environmental simulation	DIN EN 60068-2-60 :2016	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test (IEC 60068-2-60:2015); German version EN 60068-2-60:2015	DT)
Environmental simulation	IEC 60068-2-42 :2003	Environmental testing - Part 2-42: Tests; Test Kc: Sulphur dioxide test for contacts and connections	DT)
Environmental simulation	DIN EN 60068-2-42 :2004	Environmental testing - Part 2-42: Tests - Test Kc: Sulphur dioxide test for contacts and connections (IEC 60068-2-42:2003); German version EN 60068-2-42:2003	DT)
Environmental simulation	IEC 60068-2-43 :2003	Environmental testing - Part 2-43: Tests; Test Kd: Hydrogen sulphide test for contacts and connections	DT)
Environmental simulation	DIN EN 60068-2-43 :2004	Environmental testing - Part 2-43: Tests - Test Kd: Hydrogen sulphide test for contacts and connections (IEC 60068-2-43:2003); German version EN 60068-2-43:2003	DT)
Environmental simulation	IEC 60068-2-14 :2009	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	DT), PB) Only Test Na
Environmental simulation	DIN EN 60068-2-14 :2010	Environmental testing - Part 2-14: Tests - Test N: Change of temperature (IEC 60068-2-14:2009); German version EN 60068-2-14:2009	DT), PB) Only Test Na
Environmental simulation	IEC 60068-2-64 :2008	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broad-band random and guidance	DT)
Environmental simulation	DIN EN 60068-2-64 :2009	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance (IEC 60068-2-64:2008); German version EN 60068-2-64:2008	DT)
Environmental simulation	IEC 61373 :2010	Railway applications - Rolling stock equipment - Shock and vibration tests	DT)
Environmental simulation	DIN EN 61373 :2011	Railway applications - Rolling stock equipment - Shock and vibration tests (IEC 61373:2010); German version EN 61373:2010	DT)

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EMC	IEC 61000-4-2 :2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques - Electrostatic discharge immunity test	PB)
EMC	DIN EN 61000-4-2 :2009	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test (IEC 61000-4-2:2008); German version EN 61000-4-2:2009	PB)
EMC	IEC 61000-4-3 :2006 + A1:2007 + A2:2010	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	PB) Frequency range: 80 MHz bis 6 GHz
EMC	DIN EN 61000-4-3 :2011	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006 + A1:2007 + A2:2010); German version EN 61000-4-3:2006 + A1:2008 + A2:2010	PB) Frequency range: 80 MHz bis 6 GHz
EMC	IEC 61000-4-4 :2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/ burst immunity test	PB)
EMC	DIN EN 61000-4-4 :2013	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/ burst immunity test (IEC 61000-4-4:2012); German version EN 61000-4-4:2012	PB)
EMC	IEC 61000-4-5 :2014	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	PB)
EMC	DIN EN 61000-4-5 :2015	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test (IEC 61000-4-5:2014); German version EN 61000-4-5:2014	PB)
EMC	IEC 61000-4-6 :2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	PB)
EMC	DIN EN 61000-4-6 :2014	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields (IEC	PB)

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Testing field	Standard / in-house procedure / Version	Title of Standard or in-house procedure	Test range / Restrictions
		61000-4-6:2013); German version EN 61000-4-6:2014	
EMC	CISPR 16-2-1 :2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	PB) Except: CDNE method according to section 9.
EMC	DIN EN 55016-2-1 :2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements (CISPR 16-2-1:2014); German version EN 55016-2-1:2014	PB) Except: CDNE method according to section 9.
EMC	CISPR 16-2-3 :2010 + A1:2010 + A2:2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	PB) Measuring distance 3m and 5m. Frequency range up to 6 GHz.
EMC	DIN EN 55016-2-3 :2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements (CISPR 16-2-3:2010 + A1:2010 + A2:2014); German version EN 55016-2-3:2010 + A1:2010 + AC:2013 + A2:2014	PB) Measuring distance 3m and 5m. Frequency range up to 6 GHz.
EMC	IEC 61000-6-1:2016	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11, IEC 61000-4-20, IEC 61000-4-21, IEC 61000-4-22, IEC 61000-4-34
EMC	DIN EN IEC 61000-6-1 :2019	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments (IEC 61000-6-1:2016); German version EN IEC 61000-6-1:2019	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11, IEC 61000-4-20, IEC 61000-4-21, IEC 61000-4-22, IEC 61000-4-34

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Testing field	Standard / in-house procedure / Version	Title of Standard or in-house procedure	Test range / Restrictions
EMC	IEC 61000-6-2 :2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity standard for industrial environments	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11, IEC 61000-4-20, IEC 61000-4-21, IEC 61000-4-22, IEC 61000-4-34
EMC	DIN EN 61000-6-2 :2006	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments (IEC 61000-6-2:2005); German version EN 61000-6-2:2005	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11
EMC	IEC 61000-6-3 :2006 +A1:2010	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	PB) Except: No TEM waveguide; Without network disturbances; measuring distance 3m and 5m.
EMC	DIN EN 61000-6-3 :2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006 + A1:2010); German version EN 61000-6-3:2007 + A1:2011	PB) Except: No TEM waveguide; Without network disturbances; measuring distance 3m and 5m.
EMC	IEC 61000-6-4 :2006 +A1:2010	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	PB) Except: No TEM waveguide; measuring distance 3m and 5m.
EMC	DIN EN 61000-6-4 :2011	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (IEC 61000-6-4:2006 + A1:2010); German version EN 61000-6-4:2007 + A1:2011	PB) Except: No TEM waveguide;

Testing field	Standard / in-house procedure / Version	Title of Standard or in-house procedure	Test range / Restrictions
			measuring distance 3m and 5m.
EMC	IEC 61326-1 :2012	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11, IEC 61000-3-x
EMC	DIN EN 61326-1 :2013	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements (IEC 61326-1:2012); German version EN 61326-1:2013	PB) Except, without: IEC 61000-4-8, IEC 61000-4-11, IEC 61000-3-x
EMC	IEC 61131-2 :2007	Programmable controllers - Part 2: Equipment requirements and tests	PB) Except, without: IEC 61000-4-18; without damped sinusoidal oscillations (ringwave) acc. to IEC 61000-4-12
EMC	DIN EN 61131-2 :2008	Programmable controllers - Part 2: Equipment requirements and tests (IEC 61131-2:2007); German version EN 61131-2:2007	PB) Except, without: IEC 61000-4-18; without damped sinusoidal oscillations (ringwave) acc. to IEC 61000-4-12

Abbreviations used:

DIN Deutsches Institut für Normung e.V.

EN Europäische Norm

IEC International Electrotechnical Commission – Internationale Elektrotechnische Kommission

ISO International Organization for Standardization – Internationale Organisation für Normung

DT Location Detmold

PB Location Paderborn

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