

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-20745-03-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 01.03.2024

Date of issue: 18.06.2024

Holder of accreditation certificate:

SICK AG
Erwin-Sick-Straße 1, 79183 Waldkirch

with the location

SICK AG
Corporate EMC Test Center
Erwin-Sick-Straße 1, 79183 Waldkirch

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.

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 methods within the flexible scope of accreditation.

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>.

Abbreviations used: see last page

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

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1 Standards within the flexible scope of accreditation

Department	Standard / in house procedure / Version	Title of standard or in house procedure (deviations / modifications of standard)	Test area / reductions
1.1 Basic Standards			
EMC	DIN EN IEC 55016-1-1:2020	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus (CISPR 16-1-1:2019); German version EN IEC 55016-1-1:2019	No discontinuous disturbance analyzer. Only the frequency range up to 6 GHz
EMC	EN IEC 55016-1-1:2019	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	No discontinuous disturbance analyzer. Only the frequency range up to 6 GHz
EMC	CISPR 16-1-1:2019	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	No discontinuous disturbance analyzer. Only the frequency range up to 6 GHz

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EMC	DIN EN 55016-2-1:2019	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	Only two-line V-AMN according DIN EN 55016-1-2 clause 4.4, up 16 A
EMC	EN 55016-2-1:2014 + A1: 2017	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	Only two-line V-AMN according EN 55016-1-2 clause 4.4, up 16 A
EMC	CISPR 16-2-1:2014 + A1: 2017	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	Only two-line V-AMN according CISPR 16-1-2 clause 4.4, up 16 A
EMC	DIN EN 55016-2-3:2020	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	Measurement in FAR according clauses 7.4 and 7.6, test volume: D=1.5 m, h=1.5 m
EMC	EN 55016-2-3:2017 + A1: 2019	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	Measurement in FAR according clauses 7.4 and 7.6, test volume: D=1.5 m, h=1.5 m
EMC	CISPR 16-2-3:AMD2:2023	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	Measurement in FAR according clauses 7.4 and 7.6, test volume: D=1.5 m, h=1.5 m

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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	Air discharge: ≤ 30 kV Contact discharge: ≤ 30 kV
EMC	EN 61000-4-2:2009	Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test	Air discharge: ≤ 30 kV Contact discharge: ≤ 30 kV
EMC	IEC 61000-4-2:2008	Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test	Air discharge: ≤ 30 kV Contact discharge: ≤ 30 kV
EMC	DIN EN IEC 61000-4-3:2021	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	
EMC	EN IEC 61000-4-3:2020	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test	
EMC	IEC 61000-4-3:2020	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test	
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	Power supply: single phase, ≤ 16 A
EMC	EN 61000-4-4:2012	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test	Power supply: single phase, ≤ 16 A

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EMC	IEC 61000-4-4:2012	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/ burst immunity test	Power supply: single phase, ≤ 16 A
EMC	DIN EN 61000-4-5:2019	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	Power supply: single phase, ≤ 16 A
EMC	EN 61000-4-5:2014 + A1:2017	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test	Power supply: single phase, ≤ 16 A
EMC	IEC 61000-4-5:2014 + A1:2017	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test	Power supply: single phase, ≤ 16 A
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 61000-4-6:2013); German version EN 61000-4-6:2014	150 kHz – 80 MHz: 30 VEMF
EMC	EN IEC 61000-4-6:2023	Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields	150 kHz – 80 MHz: 30 VEMF
EMC	IEC 61000-4-6:2023	Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields	150 kHz – 80 MHz: 30 VEMF
EMC	DIN EN 61000-4-8:2010	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test (IEC 61000-4-8:2009); German version EN 61000-4-8:2010	
EMC	EN 61000-4-8:2010	Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test	

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EMC	IEC 61000-4-8:2009	Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test	
EMC	DIN EN IEC 61000-4-11:2021	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase (IEC 61000-4-11:2020 + COR1:2020); German version EN IEC 61000-4-11:2020 + AC:2020	Power supply: single phase, ≤ 16 A
EMC	EN IEC 61000-4-11:2020	Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	Power supply: single phase, ≤ 16 A
EMC	IEC 61000-4-11:2020	Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test	Power supply: single phase, ≤ 16 A
EMC	DIN EN 61000-4-16:2016	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz (IEC 61000-4-16:2015); German version EN 61000-4-16:2016	
EMC	EN 61000-4-16:2016	Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz	

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EMC	IEC 61000-4-16:2015	Electromagnetic compatibility (EMC) – Part 4-16: Testing and measurement techniques – Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz	
EMC	DIN EN 61000-4-29:2001	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques; Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests (IEC 61000-4-29:2000); German version EN 61000-4-29:2000	
EMC	EN 61000-4-29:2000	Electromagnetic compatibility (EMC) – Part 4-29: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	
EMC	IEC 61000-4-29:2000	Electromagnetic compatibility (EMC) – Part 4-29: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations on d. c. input power port immunity tests	
EMC	ISO 16750-2:2023	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads	Only EMC acc. to chapter 4.5, 4.6.1.1, 4.6.2, 4.6.4.
1.2 Generic Standards			
EMC	DIN EN IEC 61000-6-1:2019	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments (IEC 61000-6-1:2016); German version EN 61000-6-1:2019	

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EMC	EN IEC 61000-6-1: 2019	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments	
EMC	IEC 61000-6-1:2016	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments	
EMC	DIN EN IEC 61000-6-2:2019	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments (IEC 61000-6-2:2005); German version EN 61000-6-2:2005	
EMC	EN IEC 61000-6-2:2019	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments	
EMC	IEC 61000-6-2:2016	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environment	
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	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12
EMC	EN IEC 61000-6-3:2021	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2020)	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12
EMC	IEC 61000-6-3:2020	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light- industrial environments	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12

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EMC	DIN EN IEC 61000-6-4:2020	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	
EMC	EN IEC 61000-6-4:2019	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments	
EMC	IEC 61000-6-4:2018	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments	
EMC	DIN EN 61000-6-7:2015	Electromagnetic compatibility (EMC) - Part 6-7: Generic standards - Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations (IEC 61000-6-7:2014); German version EN 61000-6-7:2015	No tests according IEC 61000-4-34
EMC	EN 61000-6-7:2015	Electromagnetic compatibility (EMC) – Part 6-7: Generic standards – Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations	No tests according IEC 61000-4-34
EMC	IEC 61000-6-7:2014	Electromagnetic compatibility (EMC) – Part 6-7: Generic standards – Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations	No tests according IEC 61000-4-34
EMC	DIN EN IEC 61000-6-8: 2022	Electromagnetic compatibility (EMC) – Part 6-8: Generic standards – Emission standard for professional equipment in commercial and light-industrial locations	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12
EMC	EN IEC 61000-6-8:2020	Electromagnetic compatibility (EMC) – Part 6-8: Generic standards – Emission standard for professional equipment in commercial and light-industrial locations	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12

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EMC	IEC 61000-6-8:2020	Electromagnetic compatibility (EMC) – Part 6-8: Generic standards – Emission standard for professional equipment in commercial and light-industrial locations	No tests according IEC 61000-3-2, IEC 61000-3-3, IEC 61000-3-11, IEC 61000-3-12
1.3 Product Family Standards			
EMC	DIN EN 55011:2022-05	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement German version EN 55011:2016 + A1:2017 + A11:2020 + A2:2021	Single phase EUT ≤ 16 A only Radiated emissions in FAR, test volume: D= 1.5 m * h=1.5 m
EMC	EN 55011: 2016 + A11: 2017 +A11:2020+ A2: 2021	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement	Single phase EUT ≤ 16 A only Radiated emissions in FAR, test volume: D= 1.5 m * h=1.5 m
EMC	CISPR 11:2015 + AMD 1:2016 + AMD 2:2019	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement	Single phase EUT ≤ 16 A only Radiated emissions in FAR, test volume: D= 1.5 m * h=1.5 m
EMC	DIN EN 55032:2016 + A11:2021	Electromagnetic compatibility of multimedia equipment - Emission Requirements (CISPR 32:2015); German version EN 55032:2015	Single phase EUT ≤ 16 A only Radiated emissions in FAR, test volume D= 1.5 m * h=1.5 m
EMC	EN 55032:2015 + A11: 2020 + A1:2020	Electromagnetic compatibility of multimedia equipment – Emission Requirements	Only Conducted Emission. Single phase EUT ≤ 16 A.
EMC	CISPR 32:2015+ A1:2019	Electromagnetic compatibility of multimedia equipment – Emission Requirements	Only Conducted Emission. Single phase EUT ≤ 16 A.

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EMC	DIN EN IEC 60947-1:2022	Low-voltage switchgear and controlgear - Part 1: General rules (IEC 60947-1:2007 + A1:2010 + A2:2014); German version EN 60947-1:2007 + A1:2011 + A2:2014	Only EMC according clause 8.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	EN IEC 60947-1:2021	Low-voltage switchgear and controlgear – Part 1: General rules	Only EMC according clause 8.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	IEC 60947-1:2020	Low-voltage switchgear and controlgear – Part 1: General rules	Only EMC according clause 8.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	DIN EN 60947-5-1:2018	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices (IEC 60947-5-1:2016 + COR1:2016); German version EN 60947-5-1:2017	Only EMC according clause 7.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	EN 60947-5-1:2017	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices	Only EMC according clause 7.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	IEC 60947-5-1:2016	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices	Only EMC according clause 7.3 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	DIN EN IEC 60947-5-2:2023	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches (IEC 60947-5-2:2019); German version EN IEC 60947-5-2:2020	Only EMC according clause 8.2.6 No tests according IEC 61000-3-2, IEC 61000-3-3

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EMC	EN IEC 60947-5-2:2020+ A11:2022	Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches	Only EMC according clause 8.2.6 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	IEC 60947-5-2:2019	Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches	Only EMC according clause 8.2.6 No tests according IEC 61000-3-2, IEC 61000-3-3
EMC	DIN EN 60947-5-3:2014	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB) (IEC 60947-5-3:2013); German version EN 60947-5-3:2013	Only EMC according clause 7.3.3
EMC	EN 60947-5-3:2013	Low-voltage switchgear and controlgear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (PDDB)	Only EMC according clause 7.3.3
EMC	IEC 60947-5-3:2013	Low-voltage switchgear and controlgear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions	Only EMC according clause 7.3.3
EMC	DIN EN 60947-5-7:2004	Low-voltage switchgear and controlgear - Part 5-7: Control circuit devices and switching elements - Requirements for proximity devices with analogue output (IEC 60947-5-7:2003); German version EN 60947-5-7:2003	Only EMC according clause 8.6
EMC	EN 60947-5-7:2003	Low-voltage switchgear and controlgear – Part 5-7: Control circuit devices and switching elements – Requirements for proximity devices with analogue output	Only EMC according clause 8.6

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EMC	IEC 60947-5-7:2003	Low-voltage switchgear and controlgear – Part 5-7: Control circuit devices and switching elements – Requirements for proximity devices with analogue output	Only EMC according clause 8.6
EMC	DIN EN 61131-2:2008	Programmable controllers - Part 2: Equipment requirements and tests (IEC 61131-2:2007); German version EN 61131-2:2007	Only EMC according clause 8.3
EMC	EN 61131-2:2007	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests	Only EMC according clause 8.3
EMC	IEC 61131-2:2017	Industrial-process measurement and control - Programmable controllers - Part 2: Equipment requirements and tests	Only EMC according clause 8.3
EMC	DIN EN 61131-6:2013	Programmable controllers - Part 6: Functional safety (IEC 61131-6:2012); German version EN 61131-6:2012	Only EMC according clause 12.5.2 (General EMC Environment)
EMC	EN 61131-6:2012	Programmable controllers - Part 6: Functional safety	Only EMC according clause 12.5.2 (General EMC Environment)
EMC	IEC 61131-6:2012	Programmable controllers - Part 6: Functional safety	Only EMC according clause 12.5.2 (General EMC Environment)
EMC	DIN EN 61131-9:2015	Programmable controllers - Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI) (IEC 61131-9:2013); German version EN 61131-9:2013	Only EMC according annex G
EMC	EN IEC 61131-9:2022	Programmable controllers – Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)	Only EMC according annex G
EMC	IEC 61131-9:2022	Programmable controllers – Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI)	Only EMC according annex G

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EMC	DIN EN IEC 61326-1:2022	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements (IEC 61326-1:2012); German version EN 61326-1:2013	
EMC	EN IEC 61326-1:2021	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:2020)	
EMC	IEC 61326-1:2020	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements	
EMC	DIN EN IEC 61326-2-3: 2022	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012); German version EN 61326-2-3:2013	
EMC	EN IEC 61326-2-3:2021	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning	
EMC	IEC 61326-2-3:2020	Electrical equipment for measurement, control and laboratory use – EMC requirements –Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning	

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EMC	DIN EN 61326-3-1:2018	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications (IEC 61326-3-1:2017); German version EN 61326-3-1:2017	No tests according IEC 61000-4-34
EMC	EN 61326-3-1:2017	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – General industrial applications	No tests according IEC 61000-4-34
EMC	IEC 61326-3-1:2017	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – General industrial applications	No tests according IEC 61000-4-34
EMC	DIN EN IEC 61496-1:2021	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests (IEC 61496-1:2020); German version EN IEC 61496-1:2020	Only EMC according clause 4.3.2
EMC	EN IEC 61496-1:2020	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests	Only EMC according clause 4.3.2
EMC	IEC 61496-1:2020	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests	Only EMC according clause 4.3.2
EMC	DIN EN 61800-5-2: 2017	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional (IEC 61800-5-2:2016); German version EN 61800-5-2:2017	No tests according IEC 61000-4-34

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EMC	EN 61800-5-2:2017	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional	No tests according IEC 61000-4-34
EMC	IEC 61800-5-2:2016	Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional	No tests according IEC 61000-4-34
EMC	OIML R 129-2:2020	Multi-dimensional measuring instruments Part 2: Metrological controls and performance tests	
1.4 EMC of Radio Equipment			
EMC	ETSI EN 301 489-1 V2.2.3:2019	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU	No tests according clauses 8.5, 8.6, 9.6 and 9.8.2.1
EMC	ETSI EN 301 489-3 V2.3.2:2023	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	
EMC	ETSI EN 301 489-17 V3.2.4:2020-09	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	

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Department	Standard / in house procedure / Version	Title of standard or in house procedure (deviations / modifications of standard)	Test area / reductions
1.5 Shipping			
EMC	DNV-CG-0339:2021	Environmental test specification for electrical, electronic and programmable equipment and systems	Only EMC according clause 14 Electromagnetic compatibility. Test Conducted low frequency: Max. AC supply voltage 177 V. From the 21 to 50 harmonics max. 14.64 V test level.
1.6 Automotive			
EMC	ISO 16750-2:2023	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads	Only EMC acc. to chapter 4.5, 4.6.1.1, 4.6.2, 4.6.4.

2 Withdrawn testing procedures or with the updated version of procedures (but to which reference is still made)

Department	Standard / in house procedure / Version	Title of standard or in house procedure (deviations / modifications of standard)	Test area / reductions
2.1 Basic Standards			
EMC	DIN EN 55022:2011	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement (CISPR 22:2008, modified); German version EN 55022:2010	Clause 9 only
EMC	EN 55022:2010	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	Clause 9 only
EMC	CISPR 22:2008	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement	Clause 9 only

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Abbreviations used:

IEC	Internationale Elektrotechnische Kommission
EN	Europäische Norm
DIN	Deutsches Institut für Normung e.V.
CISPR	Comité international spécial des perturbations radioélectriques (offizielle Übersetzung: Internationales Sonderkomitee für Funkstörungen)
EMV	Elektromagnetische Verträglichkeit
NDS	Hausverfahren der KBS

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