SLOVENSKI STANDARD
SIST EN IEC 62228-5:2021

01-september-2021

Integrirana vezja - Vrednotenje elektromagnetne združljivosti (EMC) oddajnikov-sprejemnikov - 5. del: Ethernet oddajniki-sprejemniki (IEC 62228-5:2021)

Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers (IEC 62228-5:2021)

Integrierte Schaltungen - Bewertung der elektromagnetischen Verträglichkeit von Sende-Empfangsgeräten - Teil 5: Ethernet-Sende-Empfangsgerät (IEC 62228-5:2021)

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Circuits intégrés - Évaluation de la CEM des émetteurs-récepteurs - Partie 5 : Émetteurs-récepteurs (IEC 62228-5:2021)

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Ta slovenski standard je istoveten z: **EN IEC 62228-5:2021**

ICS:

31.200	Integrirana vezja, mikroelektronika	Integrated circuits. Microelectronics
33.100.01	Elektromagnetna združljivost na splošno	Electromagnetic compatibility in general

SIST EN IEC 62228-5:2021 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62228-5

June 2021

ICS 31.200

English Version

Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers (IEC 62228-5:2021)

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Integrierte Schaltungen - Bewertung der elektromagnetischen Verträglichkeit von Sende-Empfangsgeräten - Teil 5: Ethernet-Sende-Empfangsgerät (IEC 62228-5:2021)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 47A/1115/FDIS, future edition 1 of IEC 62228-5, prepared by SC 47A "Integrated circuits" of IEC/TC 47 "Semiconductor devices" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62228-5:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-02-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-05-31

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CISPR 16-1-1	NOTE	Harmonized as EN IEC 55016-1-1
IEC 61000-4-2	NOTE	Harmonized as EN 61000-4-2
IEC 61000-4-4	NOTE	Harmonized as EN 61000-4-4
IEC 61000-4-5	NOTE	Harmonized as EN 61000-4-5
IEC 61967-2	NOTE	Harmonized as EN 61967-2
IEC 61967-8	NOTE	Harmonized as EN 61967-8
IEC 62132-2	NOTE	Harmonized as EN 62132-2
IEC 62132-8	NOTE	Harmonized as EN 62132-8

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 61967-1	-	Integrated circuits - Measurement of electromagnetic emissions - Part 1: General conditions and definitions	EN IEC 61967-1	-
IEC 61967-4	-	Integrated circuits - Measurement of electromagnetic emissions - Part 4: Measurement of conducted emissions - 1 ohm/150 ohm direct coupling method	EN IEC 61967-4	-
IEC 62132-1	-	Integrated circuits - Measurement of electromagnetic immunity - Part 1: General conditions and definitions	EN 62132-1	-
IEC 62132-4	-	Integrated circuits - Measurement of electromagnetic immunity 150 kHz to 1 GHz - Part 4: Direct RF power injection method	EN 62132-4	-
IEC 62215-3	-	Integrated circuits - Measurement of impulse immunity - Part 3: Non-synchronous transient injection method	EN 62215-3	-
IEC 62228-1	-	Integrated circuits – EMC evaluation of transceivers – Part 1: General conditions and definitions	EN IEC 62228-1	-
ISO 10605	-	Road vehicles - Test methods for electrical disturbances from electrostatic discharge	-	-
ISO 21111-2	-	Road vehicles - In-vehicle Ethernet - Part 2: Common physical entity requirements	-	-
ISO 7637-2	-	Road vehicles - Electrical disturbances from conduction and coupling – Part 2: Electrical transient conduction along supply lines only	-	-

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Publication	Year	Title	EN/HD	Year
ISO/IEC/IEEE 8802-3	2017	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 3: Standard for Ethernet	-	-
+A1	2017		-	-
+A4	2017		-	-
EIA-198-1	-	Electronic Components Industry Association - Ceramic Dielectric Capacitors Classes I, II, III and IV	-	-

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IEC 62228-5

Edition 1.0 2021-04

INTERNATIONAL STANDARD

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 31.200

ISBN 978-2-8322-9697-4

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INTEGRATED CIRCUITS – EMC EVALUATION OF TRANSCEIVERS –

Part 5: Ethernet transceivers

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International Standard IEC 62228-5 has been prepared by subcommittee 47A: Integrated circuits, of IEC technical committee 47: Semiconductor devices.

The text of this International Standard is based on the following documents:

Draft	Report on voting
47A/1115/FDIS	47A/1117/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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