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**Konektorji za električno in elektronsko opremo - 1. del: Podrobne specifikacije za dvopolne, zaslonjene ali nezaslonjene, proste ali pritrjene konektorje - Informacije o mehanskih prilagoditvah, funkcije polov in dodatne zahteve za tip 1, iz bakra, vrsta LC (IEC 63171-1:2020)**

Connectors for electrical and electronic equipment - Part 1: Detail specification for two-way, shielded or unshielded, free and fixed connectors - Mechanical mating information, pin assignment and additional requirements for Type 1 copper LC style (IEC 63171-1:2020)

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Connecteurs pour équipements électriques et électroniques - Partie 1: Spécification particulière pour les fiches et les embases bidirectionnelles, écrantées ou non écrantées - Informations sur l'accouplement mécanique, brochage et exigences supplémentaires pour connecteur LC de type 1 à doigts de guidage en cuivre (IEC 63171-1:2020)

**Ta slovenski standard je istoveten z: EN IEC 63171-1:2020**

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**ICS:**

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Connectors

**SIST EN IEC 63171-1:2020**

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EUROPEAN STANDARD

EN IEC 63171-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2020

ICS 31.220.10

English Version

Connectors for electrical and electronic equipment - Part 1:  
Detail specification for two-way, shielded or unshielded, free and  
fixed connectors - Mechanical mating information, pin  
assignment and additional requirements for Type 1 copper LC  
style  
(IEC 63171-1:2020)

Connecteurs pour équipements électriques et électroniques  
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doigts de guidage en cuivre  
(IEC 63171-1:2020)

Steckverbinder für elektrische und elektronische  
Einrichtungen - Teil 1: Bauartspezifikation für geschirmte  
oder ungeschirmte freie und feste Steckverbinder, 2-polig;  
mechanische Steckungsinformationen, Pinbelegung und  
zusätzliche Anforderungen für Typ 1 / Kupfer LC Bauform  
(IEC 63171-1:2020)

STANDARD PREVIEW  
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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

**EN IEC 63171-1:2020 (E)****European foreword**

The text of document 48B/2783/FDIS, future edition 1 of IEC 63171-1, prepared by SC 48B "Electrical connectors" of IEC/TC 48 "Electrical connectors and mechanical structures for electrical and electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63171-1:2020.

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) 2021-02-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-19

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SIST EN IEC 63171-1:2020

The text of the International Standard IEC 63171-1:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-14	NOTE	Harmonized as EN 60068-2-14
IEC 60068-2-38	NOTE	Harmonized as EN 60068-2-38
IEC 60512-9-2	NOTE	Harmonized as EN 60512-9-2
IEC 60512-11-3	NOTE	Harmonized as EN 60512-11-3
IEC 60512-11-9	NOTE	Harmonized as EN 60512-11-9
IEC 60603-7	NOTE	Harmonized as EN 60603-7
IEC 61754-20	NOTE	Harmonized as EN 61754-20

## 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-581	-	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60512-1	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification	EN IEC 60512-1	-
IEC 60512-1-1	-	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	-
IEC 60512-1-2	-	Connectors for electronic equipment - Tests and measurements - Part 1-2: General examination - Test 1b: Examination of dimension and mass	EN 60512-1-2	-
IEC 60512-2-1	-	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests - Test 2a: Contact resistance - Millivolt level method	EN 60512-2-1	-
IEC 60512-2-5	-	Connectors for electronic equipment - Tests and measurements - Part 2-5: Electrical continuity and contact resistance tests - Test 2e: Contact disturbance	EN 60512-2-5	-
IEC 60512-3-1	-	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests - Test 3a: Insulation resistance	EN 60512-3-1	-

## EN IEC 63171-1:2020 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60512-4-1	-	Connectors for electronic equipment - Tests and measurements - Part 4-1: Voltage stress tests - Test 4a: Voltage proof	EN 60512-4-1	-
IEC 60512-5-2	-	Connectors for electronic equipment - Tests and measurements - Part 5-2: Current-carrying capacity tests - Test 5b: Current-temperature derating	EN 60512-5-2	-
IEC 60512-6-4	-	Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests - Test 6d: Vibration (sinusoidal)	EN 60512-6-4	-
IEC 60512-9-1	-	Connectors for electronic equipment - Tests and measurements - Part 9-1: Endurance tests - Test 9a: Mechanical operation	EN 60512-9-1	-
IEC 60512-11-7	-	Connectors for electronic equipment - Tests and measurements - Part 11-7: Climatic tests - Test 11g: Flowing mixed gas corrosion test	EN 60512-11-7	-
IEC 60512-11-12	-	Connectors for electronic equipment - Tests and measurements - Part 11-12: Climatic tests - Test 11m: Damp heat, cyclic	EN 60512-11-12	-
IEC 60512-13-2	-	Connectors for electronic equipment - Tests and measurements - Part 13-2: Mechanical operation tests - Test 13b: Insertion and withdrawal forces	EN 60512-13-2	-
IEC 60512-15-6	-	Connectors for electronic equipment - Tests and measurements - Part 15-6: Connector tests (mechanical) - Test 15f: Effectiveness of connector coupling devices	EN 60512-15-6	-
IEC 60512-25-9	-	Connectors for electronic equipment - Tests and measurements - Part 25-9: Signal integrity tests - Test 25i: Alien crosstalk	EN 60512-25-9	-
IEC 60512-26-100	-	Connectors for electronic equipment - Tests and measurements - Part 26-100: Measurement setup, test and reference arrangements and measurements for connectors according to IEC 60603-7 - Tests 26a to 26g	EN 60512-26-100	-
IEC 60512-28-100	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 2 000 MHz - Tests 28a to 28g	EN IEC 60512-28-100	-
IEC 60664-1	-	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62153-4-12	-	Metallic communication cable test methods - Part 4-12: Electromagnetic compatibility (EMC) - Coupling attenuation or screening attenuation of connecting hardware - Absorbing clamp method	-	-
IEC 62153-4-15	-	Metallic cables and other passive components test methods - Part 4-15: Electromagnetic compatibility (EMC) - Test method for measuring transfer impedance and screening attenuation - or coupling attenuation with triaxial cell	-	-
ISO/IEC 11801-1	-	Information technology - Generic cabling for customer premises - Part 1: General requirements	-	-

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# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Connectors for electrical and electronic equipment –  
Part 1: Detail specification for two-way, shielded or unshielded, free and fixed  
connectors – Mechanical mating information, pin assignment and additional  
requirements for Type 1 copper LC style**

<https://standards.iteh.ai/catalog/standards/sist/371fa585-4b35-4817-8d61->

**Connecteurs pour équipements électriques et électroniques –  
Partie 1: Spécification particulière pour les fiches et les embases  
bidirectionnelles, écrantées ou non écrantées – Informations sur l'accouplement  
mécanique, brochage et exigences supplémentaires pour connecteur LC de type  
1 à doigts de guidage en cuivre**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT –****Part 1: Detail specification for two-way, shielded or unshielded, free and fixed connectors – Mechanical mating information, pin assignment and additional requirements for Type 1 copper LC style**

## FOREWORD

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International Standard IEC 63171-1 has been prepared by subcommittee 48B: Electrical connectors of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

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

FDIS	Report on voting
48B/2783/FDIS	48B/2799/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.