SLOVENSKI STANDARD
SIST EN IEC 61076-3-119:2018

01-junij-2018

Konektorji za električno in elektronsko opremo - Zahteve za izdelek - 3-119. del: Pravokotni konektorji - Podrobna specifikacija za konektorje z oklepom in brez oklepa, proste ali pritrjene, 10-polne, z zaklepnim spajanjem, za industrijska okolja, za prenos podatkov s frekvencami do 100 MHz (IEC 61076-3-119:2017)

Connectors for electrical and electronic equipment - Product requirements - Part 3-119: Rectangular connectors - Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz (IEC 61076-3-119:2017)

Ta slovenski standard je istoveten z: **EN IEC 61076-3-119:2018**

ICS:

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors

SIST EN IEC 61076-3-119:2018 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61076-3-119

March 2018

ICS 31.220.10

English Version

Connectors for electrical and electronic equipment - Product requirements - Part 3-119: Rectangular connectors - Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz (IEC 61076-3-119:2017)

Connecteurs pour équipements électriques et électroniques - Exigences de produit - Partie 3-119: Connecteurs rectangulaires - Spécification particulière pour les fiches et les embases écrantées et non écrantées à 10 voies avec couplage de type pousser-tirer dans des environnements industriels pour la transmission de données à des fréquences jusqu'à 100 MHz (IEC 61076-3-119:2017)

Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 3-119: Rechteckige Steckverbinder - Bauartspezifikation für geschirmte und ungeschirmte, freie und feste Steckverbinder, 10-polig, mit Push-pull-Verriegelung für industrielle Umgebungen für Datenübertragungen mit Frequenzen bis zu 100 MHz (IEC 61076-3-119:2017)

This European Standard was approved by CENELEC on 2018-01-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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

Ref. No. EN IEC 61076-3-119:2018 E

European foreword

The text of document 48B/2602/FDIS, future edition 1 of IEC 61076-3-119, prepared by IEC/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 61076-3-119:2018.

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)	2018-10-12
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2021-01-12

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Endorsement notice

The text of the International Standard IEC 61076-3-119:2017 was approved by CENELEC as a European Standard without any modification.

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 60050-581	2008	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	-	Environmental testing -- Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-20	2008	Environmental testing -- Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	EN 60068-2-20	2008
IEC 60352-2	-	Solderless connections -- Part 2: Crimped connections - General requirements, test methods and practical guidance	EN 60352-2	-
IEC 60352-5	-	Solderless connections -- Part 5: Press-in connections - General requirements, test methods and practical guidance	EN 60352-5	-
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 60512-3-1	-	Connectors for electronic equipment - Tests and measurements -- Part 3-1: Insulation tests - Test 3a: Insulation resistance	EN 60512-3-1	-
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 60512-5-1	-	Connectors for electronic equipment - Tests and measurements -- Part 5-1: Current-carrying capacity tests - Test 5a: Temperature rise	EN 60512-5-1	-

IEC 60512-6-3	-	Connectors for electronic equipment - Tests and measurements -- Part 6-3: Dynamic stress tests - Test 6c: Shock	EN 60512-6-3	-
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 60512-11-1	-	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods -- Part 11: Climatic tests -- Section 1: Test 11a - Climatic sequence	EN 60512-11-1	-
IEC 60512-11-3	-	Connectors for electronic equipment - Tests and measurements -- Part 11-3: Climatic tests - Test 11c: Damp heat, steady state	EN 60512-11-3	-
IEC 60512-11-4	-	Connectors for electronic equipment - Tests and measurements -- Part 11-4: Climatic tests - Test 11d: Rapid change of temperature	EN 60512-11-4	-
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 60512-11-9	-	Connectors for electronic equipment - Tests and measurements -- Part 11-9: Climatic tests - Test 11i: Dry heat	EN 60512-11-9	-
IEC 60512-11-10	-	Connectors for electronic equipment - Tests and measurements -- Part 11-10: Climatic tests - Test 11j: Cold	EN 60512-11-10	-
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 operating tests - Test 13b: Insertion and withdrawal forces	EN 60512-13-2	-
IEC 60512-13-5	-	Connectors for electronic equipment - Tests and measurements -- Part 13-5: Mechanical operating tests - Test 13e: Polarizing and keying method	EN 60512-13-5	-
IEC 60512-15-1	-	Connectors for electronic equipment - Tests and measurements -- Part 15-1:Connector tests (mechanical) - Test 15a: Contact retention in insert	EN 60512-15-1	-
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 60512-15-7	-	Connectors for electronic equipment - Tests and measurements -- Part 15-7: Connector tests (mechanical) - Test 15g: Robustness of protective cover attachment	EN 60512-15-7	-

IEC 60512-16-5	-	Connectors for electronic equipment - Tests and measurements -- Part 16-5: Mechanical tests on contacts and terminations - Test 16e: Gauge retention force (resilient contacts)	EN 60512-16-5	-
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 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
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 mm² up to 35 mm² (included)	EN 60999-1	2000
IEC 61076-1	2006	Connectors for electronic equipment - Product requirements -- Part 1: Generic specification	EN 61076-1	2006
IEC 61984	2008	Connectors - Safety requirements and tests	EN 61984	2009
IEC 62197-1	2006	Connectors for electronic equipment - Quality assessment requirements -- Part 1: Generic specification	EN 62197-1	2006
IEC 62430	2009	Environmentally conscious design for electrical and electronic products	EN 62430	2009
IEC Guide 109	-	Environmental aspects - Inclusion in electrotechnical product standards	-	-
ISO 128	series	Technical drawings_- General principles of presentation_- Part_1: Introduction and index	-	-
ISO 1101	2017	Geometrical product specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	2017
ISO 1302	2002	Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation	EN ISO 1302	2002
ISO 11469	2016	Plastics - Generic identification and marking of plastics products	EN ISO 11469	2016

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Connectors for electrical and electronic equipment – Product requirements – Part 3-119: Rectangular connectors – Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz

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CONNECTORS FOR ELECTRICAL AND ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 3-119: Rectangular connectors – Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz

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International Standard IEC 61076-3-119 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

This first edition cancels and replaces IEC PAS 61076-3-119 published in 2013. This edition constitutes a technical revision.