
Varnost strojev - Električno občutljiva zaščitna oprema - 3. del: Posebne zahteve za aktivne optoelektronske zaščitne naprave, ki se odzivajo na difuzni odboj (AOPDDR) (IEC 61496-3:2025)

Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR) (IEC 61496-3:2025)

Sicherheit von Maschinen - Berührungslos wirkende Schutzeinrichtungen - Teil 3: Besondere Anforderungen an aktive optoelektronische diffuse Reflexion nutzende Schutzeinrichtungen (AOPDDR) (IEC 61496-3:2025)

Sécurité des machines - équipements de protection électrosensibles - Partie 3: Exigences particulières pour les équipements utilisant des dispositifs protecteurs optoélectroniques actifs sensibles aux réflexions diffuses (AOPDDR) (IEC 61496-3:2025)

<https://standards.iteh.ai/catalog/standards/sist/1c59c900-35cd-4fcc-88cb-5a8a4bf51e62/sist-en-iec-61496-3-2025>

Ta slovenski standard je istoveten z: EN IEC 61496-3:2025

ICS:

13.110	Varnost strojev	Safety of machinery
31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment

SIST EN IEC 61496-3:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61496-3

October 2025

ICS 13.110; 31.260

Supersedes EN IEC 61496-3:2019

English Version

**Safety of machinery - Electro-sensitive protective equipment -
Part 3: Particular requirements for active opto-electronic
protective devices responsive to diffuse reflection (AOPDDR)
(IEC 61496-3:2025)**

Sécurité des machines - Équipements de protection
électrosensibles - Partie 3: Exigences particulières pour les
équipements utilisant des dispositifs protecteurs
optoélectroniques actifs sensibles aux réflexions diffuses
(AOPDDR)
(IEC 61496-3:2025)

Sicherheit von Maschinen - Berührungslos wirkende
Schutzeinrichtungen - Teil 3: Besondere Anforderungen an
aktive optoelektronische diffuse Reflexion nutzende
Schutzeinrichtungen (AOPDDR)
(IEC 61496-3:2025)

This European Standard was approved by CENELEC on 2025-09-18. 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

EN IEC 61496-3:2025 (E)**European foreword**

The text of document 44/1061/FDIS, future edition 4 of IEC 61496-3, prepared by TC 44 "Safety of machinery - Electrotechnical aspects" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61496-3:2025.

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) 2026-10-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-10-31

This document supersedes EN IEC 61496-3:2019 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document is read in conjunction with EN IEC 61496-1:2020.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

iTeh Standards
(https://standards.itih.ai)
Endorsement notice
Document Preview

The text of the International Standard IEC 61496-3:2025 was approved by CENELEC as a European Standard without any modification.

SIST EN IEC 61496-3:2025

<https://standards.itih.ai/doc/standards/iec-61496-3-2025> In the official version, for Bibliography, the following note has to be added for the standard indicated: <https://standards.itih.ai/doc/standards/iec-61496-3-2025>

IEC 60068-2-64:2008 NOTE Approved as EN 60068-2-64:2008 (not modified)

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.

Annex ZA of EN IEC 61496-1:2020, applies, except as follows:

Add:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-14	2023	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN IEC 60068-2-14	2023
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 60825-1	2014	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	2014
-	-		+ A11	2021
-	-		+ AC	2017-06
IEC 61496-1	2020	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests	EN IEC 61496-1	2020
IEC 62471 (mod)	2006	Photobiological safety of lamps and lamp systems	EN 62471	2008
IEC/TS 62998-1	2019	Safety of machinery - Safety-related sensors used for the protection of persons	-	-
IEC/TS 62998-3	2023	Safety of machinery - Safety-related sensors used for the protection of persons - Part 3: Sensor technologies and algorithms	-	-
ISO 13855	2024	Safety of machinery - Positioning of safeguards with respect to the approach of the human body	EN ISO 13855	2024
ISO 20471	2013	High visibility clothing - Test methods and requirements	EN ISO 20471	2013



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