



NSAI
Standards

Standard Recommendation
S.R. CLC/TS 61496-3:2008

Safety of machinery - Electro-sensitive
protective equipment -- Part 3:
Particular requirements for Active
Opto-electronic Protective Devices
responsive to Diffuse Reflection
(AOPDDR) (IEC 61496-3:2008 (EQV))

S.R. CLC/TS 61496-3:2008

Incorporating amendments/corrigenda issued since publication:

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TECHNICAL SPECIFICATION
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CLC/TS 61496-3

May 2008

ICS 13.110; 31.260

Supersedes CLC/TS 61496-3:2003

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 61496-3:2008)

Sécurité des machines -
Équipements de protection
électro-sensibles -
Partie 3: Exigences particulières pour les
équipements utilisant des dispositifs
protecteurs optoélectroniques actifs
sensibles aux réflexions diffuses
(AOPDDR)
(CEI 61496-3:2008)

Sicherheit von Maschinen -
Berührungslos wirkende
Schutzeinrichtungen -
Teil 3: Besondere Anforderungen an
aktive optoelektronische diffuse Reflektion
nutzende Schutzeinrichtungen (AOPDDR)
(IEC 61496-3:2008)

This Technical Specification was approved by CENELEC on 2008-03-01.

CENELEC members are required to announce the existence of this TS in the same way as for an EN and to make the TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The text of document 44/572/FDIS, future edition 2 of IEC 61496-3, prepared by IEC TC 44, Safety of machinery - Electrotechnical aspects, in collaboration with the Technical Committee CENELEC TC 44X, Safety of machinery: electrotechnical aspects, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as CLC/TS 61496-3 on 2008-03-01.

This Technical Specification supersedes CLC/TS 61496-3:2003.

The most important changes and improvements compared to CLC/TS 61496-3:2003 are:

- extension of the range of detection capability covered by this part of the standard from 50 mm to 100 mm to the range of 30 mm to 200 mm;
- clarification of requirements for the selection of multiple detection zones (Clause A.10);
- more detailed information about the use of an AOPDDR as a whole body trip device by extension of Clause A.12 and a new Clause A.13;
- improved description of the relationship between ranging accuracy and probability of detection (Annex BB).

This Technical Specification is to be used in conjunction with EN 61496-1.

The following date was fixed:

- latest date by which the existence of the CLC/TS
has to be announced at national level (doa) 2008-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61496-3:2008 was approved by CENELEC as a Technical Specification without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 14121-1 NOTE Harmonized as EN ISO 14121-1:2007 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

Addition to Annex ZA of EN 61496-1:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
-	-	High-visibility warning clothing for professional use - Test methods and requirements	EN 471	2003
IEC 60068-2-14 + A1	1984 1986	Environmental testing - Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999
IEC 60068-2-75	1997	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60825-1	- ¹⁾	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	2007 ²⁾
IEC 61496-1 (mod)	2004	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests	EN 61496-1	2004
IEC/TS 62046	- ¹⁾	Safety of machinery - Application of protective equipment to detect the presence of persons	CLC/TS 62046	2008 ²⁾
ISO 13855	2002	Safety of machinery - Positioning of protective equipment with respect to the approach speeds of parts of the human body	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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