



**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:*

<i>This document replaces:</i> I.S. TS 61496-3:2003	<i>This document is based on:</i> CLC/TS 61496-3:2008 CLC/TS 61496-3:2003	<i>Published:</i> 23 May, 2008 9 January, 2004
This document was published under the authority of the NSAI and comes into effect on: 18 November, 2008		ICS number: 13.110 31.260
<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie
		<b>Price Code:</b> AD
Údarás um Chaighdeáin Náisiúnta na hÉireann		

**TECHNICAL SPECIFICATION**  
**SPÉCIFICATION TECHNIQUE**  
**TECHNISCHE SPEZIFIKATION**

**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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

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

CLC/TS 61496-3:2008

- 2 -

## **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	- <sup>1)</sup>	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	2007 <sup>2)</sup>
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	- <sup>1)</sup>	Safety of machinery - Application of protective equipment to detect the presence of persons	CLC/TS 62046	2008 <sup>2)</sup>
ISO 13855	2002	Safety of machinery - Positioning of protective equipment with respect to the approach speeds of parts of the human body	-	-

---

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-