

List of accredited activities conducted under the flexible scope

The Safety System and Sensing Test Center (D-PL-20745-01-00) is accredited by the national accreditation body of the Federal Republic of Germany (DAkKS) according to DIN EN ISO/IEC 17025:2018 as a testing laboratory in the field safety of machinery.

The annex to Accreditation Certificate is available at the DAkKS website.
(<https://www.dakks.de/en/accredited-body.html?id=D-PL-20745-01-00>)

At the time of publication of this document, the test and measurement methods listed in the annex of this document are considered as accredited methods within the scope of the flexible accreditation.

Note: The Safety System and Sensing Test Center is an internal service provider of SICK AG. No services are offered to external customers.



Annex

Legend

German standard
European standard
International standard

Standard / issue	Title of the standard	Restrictions
IEC 61496-1:2012	Safety of machinery - Electro-sensitive protective equipment – Part 1: General requirements and tests	Only general requirements for tests
DIN EN 61496-1:2014	Sicherheit von Maschinen – Berührungslos wirkende Schutzeinrichtungen – Teil 1: Allgemeine Anforderungen und Prüfungen <i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment – Part 1: General requirements and tests</i>	Only general requirements for tests
UL 61496-1:2021	Safety of machinery - Electro-sensitive protective equipment – Part 1: General requirements and tests	Only general requirements for tests
IEC 61496-1:2020	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests	Only general requirements for tests in chapter 5.1.2 and additionally chapter 5.4.6
DIN EN IEC 61496-1:2021	Sicherheit von Maschinen – Berührungslos wirkende Schutzeinrichtungen – Teil 1: Allgemeine Anforderungen und Prüfungen <i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment – Part 1: General requirements and tests</i>	Only general requirements for tests in chapter 5.1.2 and additionally chapter 5.4.6
IEC 61496-2:2013	Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)	Only chapter 5 exclusive: 5.2.1.2.2, 5.2.1.3, 5.2.10

DIN EN 61496-2:2014	<p>Sicherheit von Maschinen – Berührungslos wirkende Schutzeinrichtungen – Teil 2: Besondere Anforderungen an Einrichtungen, welche nach dem aktiven opto-elektronischen Prinzip arbeiten.</p> <p><i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)</i></p>	<p>Only chapter 5 exclusive: 5.2.1.2.2, 5.2.1.3, 5.2.10</p>
UL 61496-2:2021	<p>Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)</p>	<p>Only chapter 5 exclusive: 5.2.1.2.2, 5.2.1.3, 5.2.10</p>
IEC 61496-2:2020	<p>Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)</p>	<p>Only chapter 5 exclusive: 5.2.1.2.2, 5.2.1.3, 5.2.10</p>
DIN EN IEC 61496-2:2021	<p>Sicherheit von Maschinen - Berührungslos wirkende Schutzeinrichtungen - Teil 2: Besondere Anforderungen an Einrichtungen, die aktive optoelektronische Schutzeinrichtungen (AOPD) verwenden[^]</p> <p><i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)</i></p>	<p>Only chapter 5 exclusive: 5.2.1.2.2, 5.2.1.3, 5.2.10</p>
IEC 61496-3:2008	<p>Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)</p>	<p>Only chapter 5 exclusive: 5.2.1.2.1, 5.2.11 (only reaction time is excluded), 5.2.13, 5.2.14, 5.3.4, 5.4.2, 5.4.4, 5.4.5</p>
DIN CLC/TS 61496-3:2009	<p>Sicherheit von Maschinen - Berührungslos wirkende Schutzeinrichtungen - Teil 3: Besondere Anforderungen an aktive optoelektronische diffuse Reflektion nutzende Schutzeinrichtungen (AOPDDR)</p> <p><i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for</i></p>	<p>Only chapter 5 exclusive: 5.2.1.2.1, 5.2.11 (only reaction time is excluded), 5.2.13, 5.2.14, 5.3.4,</p>

	<i>active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)</i>	5.4.2, 5.4.4, 5.4.5
IEC 61496-3:2018	Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)	Only chapter 5 exclusive: 5.2.13, 5.2.14, 5.3, 5.4.2, 5.4.4, 5.4.5
DIN EN IEC 61496-3:2019	Sicherheit von Maschinen - Berührungslos wirkende Schutzeinrichtungen - Teil 3: Besondere Anforderungen an aktive optoelektronische diffuse Reflexion nutzende Schutzeinrichtungen (AOPDDR) <i>English translation:</i> <i>Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse reflection (AOPDDR)</i>	Only chapter 5 exclusive: 5.2.13, 5.2.14, 5.3, 5.4.2, 5.4.4, 5.4.5