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## Zur Kritik vorgelegte Entwürfe

Im Hinblick auf die spätere Übernahme in das Normenwerk von Electrosuisse werden folgende Entwürfe zur Stellungnahme ausgeschrieben. Alle an der Materie Interessierten sind hiermit eingeladen, diese Entwürfe zu prüfen und eventuelle Stellungnahmen dazu Electrosuisse schriftlich einzureichen. Die ausgeschrieben Entwürfe (im Normenshop nicht aufgeführt) können gegen Kostenbeteiligung beim Normenverkauf, Electrosuisse, Luppenstrasse 1, 8320 Fehraltorf, Tel. 044 956 11 65, Fax 044 956 14 01, normenverkauf@electrosuisse.ch, bezogen werden.

## Projets de normes mis à l'enquête

En vue d'une reprise ultérieure dans le recueil des normes d'Electrosuisse, les projets suivants sont mis à l'enquête pour prise de position. Tous les intéressés en la matière sont invités à étudier ces projets et à adresser, par écrit, leurs observations éventuelles à Electrosuisse. Les projets mis à l'enquête (non mentionnés au shop en ligne) peuvent être obtenus, moyennant une participation aux frais, auprès d'Electrosuisse, Vente des normes, Luppenstrasse 1, 8320 Fehraltorf, tél. 044 956 11 65, fax 044 956 14 01, normenverkauf@electrosuisse.ch.

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**TK 8** **Einsprachetermin/ délai d'envoi des observations: 2017-09-07**  
**8/1470/DTS** - Draft IEC/TS 63060

General aspects and methods for the maintenance of installations and equipment of electrical energy supply networks

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**TK 9** **Einsprachetermin/ délai d'envoi des observations: 2017-09-07**  
**prEN 50238-1:2017**

Railway applications - Compatibility between rolling stock and train detection systems - Part 1: General

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**TK 29** **Einsprachetermin/ délai d'envoi des observations: 2017-08-31**  
**29/955/CDV** - Draft IEC//EN 62489-1/A2

Amendment 2 - Electroacoustics - Audio-frequency induction loop systems for assisted hearing - Part 1: Methods of measuring and specifying the performance of system components

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**TK 31** **Einsprachetermin/ délai d'envoi des observations: 2017-08-31**  
**31/1322/CDV** - Draft ISO/IEC 62990-1

Workplace Atmospheres - Part 1: Gas detectors - Performance requirements of detectors for toxic gases

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**TK 34** **Einsprachetermin/ délai d'envoi des observations: 2017-08-10**  
**34C/1335A/CDV** - Draft IEC//EN 62442-1/A1

Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear

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**TK 34** **Einsprachetermin/ délai d'envoi des observations: 2017-08-10**  
**34C/1336A/CDV** - Draft IEC//EN 62442-2/A1

Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of the controlgear

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**TK 40** **Einsprachetermin/ délai d'envoi des observations: 2017-08-31**  
**40/2536/CDV** - Draft IEC//EN 60384-26

Fixed capacitors for use in electronic equipment - Part 26: Sectional specification - Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte

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**TK 46** **Einsprachetermin/ délai d'envoi des observations: 2017-09-07**  
**46A/1330/CDV** - Draft IEC 61196-1-113

Coaxial communication cables Part 1-113: - Electrical test methods - Test for attenuation constant

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**TK 47** **Einsprachetermin/ délai d'envoi des observations: 2017-08-17**  
**47/2395/CDV** - Draft IEC//EN 62435-4

Electronic components - Long-term storage of electronic semiconductor devices - Part 4: Storage

<b>TK 47</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>47/2397/CDV</b> - Draft IEC 62951-3	
Semiconductor devices - Flexible and stretchable semiconductor devices - Part 3: Evaluation of thin film transistor characteristics on flexible substrates under bulging	
<b>TK 47</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>47/2398/CDV</b> - Draft IEC 62951-2	
Semiconductor devices - Flexible and stretchable semiconductor devices - Part 2: Acceleration test for electron mobility, sub-threshold swing, and threshold voltage of flexible devices	
<b>TK 57</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-31</b>
<b>57/1881/CDV</b> - Draft IEC//EN 61970-456	
Energy management system application program interface (EMS-API) - Part 456: Solved power system state profiles	
<b>TK 61</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-07-27</b>
<b>EN 60335-2-109:2010/FprA1:2017</b>	
Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances	
<b>TK 61</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-07-27</b>
<b>EN 60335-2-11:2010/FprA2:2017</b>	
Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers	
<b>TK 61</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>EN 60335-2-27:2013/FprA2:2017</b>	
Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to optical radiation	
<b>TK 62</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>62D/1478/CDV</b> - Draft ISO 80601-2-79	
Medical Electrical Equipment - Part 2-79: Particular requirements for basic safety and essential performance of home healthcare environment ventilatory support equipment for respiratory impairment	
<b>TK 62</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>62D/1480/CDV</b> - Draft ISO 80601-2-80	
Medical Electrical Equipment - Part 2-80: Particular requirements for basic safety and essential performance of home healthcare environment ventilatory support equipment for respiratory insufficiency	
<b>TK 62</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>62D/1499/CDV</b> - Draft ISO 80369-3/A1	
Small-bore connectors for liquids and gases in healthcare applications -- Part 3: Connectors for enteral applications	
<b>TK 64</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-09-07</b>
<b>64/2208/CDV</b> - Draft IEC 60364-5-56//HD 60364-5-56	
Low-voltage electrical installations - Part 5-56: Selection and erection of electrical equipment - Safety services	
<b>TK 66</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-31</b>
<b>66/634/CDV</b> - Draft IEC//EN 61010-2-091	
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems.	
<b>TK 72</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-09-07</b>
<b>72/1077/CDV</b> - Draft IEC//EN 60730-2-8	
Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements	
<b>TK 79</b>	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-31</b>
<b>prEN 50131-4</b>	
Alarm systems - Intrusion and hold-up systems - Part 4: Warning devices	

<b>TK 86</b> <b>86B/4080/CDV</b> - Draft IEC//EN 63032 Fibre optic interconnecting devices and passive components - Fibre optic tuneable bandpass filters - Generic specification	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>TK 86</b> <b>86C/1455/CDV</b> - Draft IEC//EN 61290-4-4 Future 61290-4-4: Optical amplifiers - Test methods - Part 4-4: Gain transient parameters ? Single channel optical amplifiers with gain control	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-31</b>
<b>TK 86</b> <b>86C/1459/CDV</b> - Draft IEC//EN 62343-3-4 Dynamic modules - Part 3-4: Performance specification templates - Multicast optical switches	<b>Einsprachetermin/ délai d'envoi des observations: 2017-09-07</b>
<b>TK 86</b> <b>86C/1460/CDV</b> - Draft IEC//EN 61291-1 Optical amplifiers - Part 1: Generic specification	<b>Einsprachetermin/ délai d'envoi des observations: 2017-09-07</b>
<b>TK 86</b> <b>86C/1461/CDV</b> - Draft IEC//EN 61757 Fibre optic sensors - Part 1: Generic specification	<b>Einsprachetermin/ délai d'envoi des observations: 2017-09-07</b>
<b>TK 100</b> <b>100/2921/CDV</b> - Draft IEC 62448 Multimedia systems and equipment - Multimedia e-publishing and e-books - Generic format for e-publishing	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>TK 108</b> <b>108/688/CDV</b> - Draft IEC 62368-1 Audio/video, information and communication technology equipment - Part 1: Safety requirements	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-31</b>
<b>TK 116</b> <b>EN 62841-3-1:2014/prAA:2017</b> Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-1: Particular requirements for transportable table saws (IEC 62841-3-1:2014, modified)	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>TK 116</b> <b>EN 62841-3-10:2015/prAA:2017</b> Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>TK 116</b> <b>EN 62841-3-6:2014/prAA:2017</b> Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>TK 116</b> <b>EN 62841-3-9:2015/prAA:2017</b> Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-9: Particular requirements for transportable mitre saws	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>TK 121A</b> <b>121A/151/CDV</b> - Draft IEC//EN 60947-4-1 Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-24</b>
<b>IEC/TC 49</b> <b>49/1220/CDV</b> - Draft IEC//EN 63041-1 Piezoelectric Sensors - Part 1: Generic Specifications	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>
<b>IEC/TC 49</b> <b>49/1221/CDV</b> - Draft IEC//EN 63041-2 Piezoelectric Sensors - Part 2: Chemical and Biochemical Sensors	<b>Einsprachetermin/ délai d'envoi des observations: 2017-08-17</b>

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## **Ankündigung von Europäischen Normen**

Das europäische Komitee für elektrotechnische Normung CENELEC hat die nachstehend aufgeführten Europäischen Normen (EN) und Harmonisierungsdokumente (HD) angenommen. Die Übernahme/Anerkennung in das schweizerische Normenwerk (SN) ist in Vorbereitung.

### **Announce de normes européennes**

Le Comité européen de normalisation CENELEC a approuvé les normes européennes (EN) et les documents d'harmonisation (HD) selon la liste ci-après. La mise en application / reconnaissance des normes européennes (EN) dans le recueil des normes suisses (SN) est en préparation.

#### **TK 2**

##### **EN 60034-12:2017**

Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors

*[IEC 60034-12:2016]*

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#### **TK 2**

##### **EN 60034-18-42:2017**

Rotating electrical machines - Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters - Qualification tests

*[IEC 60034-18-42:2017]*

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#### **TK 9**

##### **EN 62580-1:2016/A11:2017**

Electronic railway equipment - On-board multimedia and telematic subsystems for railways - Part 1: General architecture

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#### **TK 11**

##### **EN 50341-2-13:2017/A1:2017**

Overhead electrical lines exceeding AC 1 kV - Part 2-13: National Normative Aspects (NNA) for ITALY (based on EN 50341-1:2012)

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#### **TK 13**

##### **EN 62056-7-3:2017**

Electricity metering data exchange - The DLMS/COSEM suite - Part 7-3: Wired and wireless M-Bus communication profiles for local and neighbourhood networks

*[IEC 62056-7-3:2017]*

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#### **TK 13**

##### **EN 62056-8-6:2017**

Electricity metering data exchange - The DLMS/COSEM suite - Part 8-6: High speed PLC ISO/IEC 12139-1 profile for neighbourhood networks

*[IEC 62056-8-6:2017]*

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#### **TK 21**

##### **EN 61951-2:2017**

Secondary cells and batteries containing alkaline or other non acid electrolytes - Secondary sealed cells and batteries for portable applications - Part 2: Nickel-metal hydride

*[IEC 61951-2:2017]*

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#### **TK 22**

##### **EN 61800-9-1:2017**

Adjustable speed electrical power drive systems - Part 9-1: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - General requirements for setting energy efficiency standards for power driven equipment using the extended product approach (EPA) and semi analytic model (SAM)

*[IEC 61800-9-1:2017]*

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**TK 22****EN 61800-9-2:2017**

Adjustable speed electrical power drive systems - Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - Energy efficiency indicators for power drive systems and motor starters

[IEC 61800-9-2:2017]

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**TK 34****EN 62612:2013/A1:2017**

Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - Performance requirements

[IEC 62612:2013/A1:2015]

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**TK 34****EN 62612:2013/A11:2017**

Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - Performance requirements

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**TK 34****EN 62717:2017**

LED modules for general lighting - Performance requirements

[IEC 62717:2014+A1:2015, mod.]

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**TK 34****EN 62931:2017**

GX16t-5 capped tubular led lamp - Safety specifications

[IEC 62931:2017]

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**UK 36A****EN 50180-3:2015/A1:2017**

Bushings above 1 kV up to 52 kV and from 250 A to 3,15 kA for liquid filled transformers - Part 3: Requirements for bushing fixations

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**TK 46****EN 61169-11:2017**

Radio-frequency connectors - Part 11: Sectional specification for RF coaxial connectors with inner diameter of outer conductor 9,5 mm with threaded coupling - Characteristic impedance 50 Ω (type 4,1-9,5)

[IEC 61169-11:2017]

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**TK 47****EN 60749-28:2017**

Semiconductor devices - Mechanical and climatic test methods - Part 28: Electrostatic discharge (ESD) sensitivity testing - Charged device model (CDM) - device level

[IEC 60749-28:2017]

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**TK 77B/C****EN 61000-4-39:2017**

Electromagnetic Compatibility (EMC) - Part 4-39: Testing and measurement techniques - Radiated fields in close proximity - Immunity test

[IEC 61000-4-39:2017]

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**TK 81****EN 62561-1:2017**

Lightning Protection System Components (LPSC) - Part 1: Requirements for connection components

[IEC 62561-1:2017]

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**TK 86****EN 61300-2-55:2017**

Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-55: Tests - Strength of mounted adaptor

[IEC 61300-2-55:2017]

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**TK 87****EN 62127-2:2007/A2:2017**

Ultrasonics - Hydrophones - Part 2: Calibration for ultrasonic fields up to 40 MHz

*[IEC 62127-2:2007/A2:2017]*

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**TK 91****EN 61188-7:2017**

Printed boards and printed board assemblies - Design and use - Part 7: Electronic component zero orientation for CAD library construction

*[IEC 61188-7:2017]*

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**TK 100****EN 62680-3-1:2017**

Universal Serial Bus interfaces for data and power - Part 3-1: Universal Serial Bus 3.1 Specification

*[IEC 62680-3-1:2017]*

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**TK 100****EN 62943:2017**

Visible light beacon system for multimedia applications

*[IEC 62943:2017]*

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**TK 100****EN 62944:2017**

Audio, video and multimedia systems and equipment - Digital television accessibility - Functional specifications

*[IEC 62944:2016]*

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**TK 104****EN 60068-2-18:2017**

Environmental testing - Part 2-18: Tests - Tests R and guidance: Water

*[IEC 60068-2-18:2017]*

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**TK 105****EN 62282-4-102:2017**

Fuel cell technologies - Part 4-102: Fuel cell power systems for industrial electric trucks - Performance test methods

*[IEC 62282-4-102:2017]*

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**TK 108****EN 62949:2017**

Particular safety requirements for equipment to be connected to information and communication networks

*[IEC 62949:2017]*

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**TK 111****CLC/TS 50625-4:2017**

Collection, logistics &amp; treatment requirements for WEEE - Part 4: Specification for the collection and logistics associated with WEEE

**TK 111****EN 62321-7-2:2017**

Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method

*[IEC 62321-7-2:2017]*

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**TK 111****EN 62321-8:2017**

Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS)

*[IEC 62321-8:2017]*

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**TK 116****EN 62841-2-10:2017**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-10: Particular requirements for hand-held mixers  
*[IEC 62841-2-10:2017, mod.]*

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**TK 116****EN 62841-3-13:2017**

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-13: Particular requirements for transportable drills  
*[IEC 62841-3-13:2017, mod.]*

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**TK CISPR****EN 55016-1-4:2010/A2:2017**

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements  
*[CISPR 16-1-4:2010/A2:2017]*

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**CENELEC/SR 109****EN 60664-3:2017**

Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution  
*[IEC 60664-3:2016]*

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**CENELEC/SR 89****EN 60695-11-5:2017**

Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance  
*[IEC 60695-11-5:2016]*

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**CENELEC/SR 47****EN 60749-3:2017**

Semiconductor devices - Mechanical and climatic test methods - Part 3: External visual examination  
*[IEC 60749-3:2017]*

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**CENELEC/SR 47****EN 60749-4:2017**

Semiconductor devices - Mechanical and climatic test methods - Part 4: Damp heat, steady state, highly accelerated stress test (HAST)  
*[IEC 60749-4:2017]*

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**CENELEC/SR 47****EN 60749-6:2017**

Semiconductor devices - Mechanical and climatic test methods - Part 6: Storage at high temperature  
*[IEC 60749-6:2017]*

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**CENELEC/SR 47****EN 60749-9:2017**

Semiconductor devices - Mechanical and climatic test methods - Part 9: Permanence of marking  
*[IEC 60749-9:2017]*

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## Neue Schweizer Normen (SN)

Die nachstehend aufgeführten Normen erhalten mit dem aufgeführten Datum ihre Gültigkeit im Schweizerischen Normenwerk.

## Nouvelles normes suisses (SN)

Les normes ci-dessous obtiennent, avec la date indiquée, leur validité dans le recueil des normes suisses.

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**TK 34** **Gültig ab/ valable à partir du 2017-06-12**

**SN EN 60810:2015/A1:2017**

[IEC 60810:2014/A1:2017]: Lampen für Straßenfahrzeuge - Anforderungen an die Arbeitsweise  
*Lampes pour véhicules routiers - Exigences de performances*

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**TK 44** **Gültig ab/ valable à partir du 2017-06-12**

**SN EN 62745:2017**

[IEC 62745:2017]: Sicherheit von Maschinen - Anforderungen für kabellose Steuerungen an Maschinen  
*Sécurité des machines - Exigences générales pour les systèmes de commande sans fil des machines*

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**TK 48** **Gültig ab/ valable à partir du 2017-06-12**

**SN EN 61076-2-113:2017**

[IEC 61076-2-113:2017]: Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 2-113: Rundsteckverbinder - Bauartspezifikation für Steckverbinder mit Daten- und Leistungskontakten mit Schraubverriegelung M12 für Frequenzen bis 100 MHz  
*Connecteurs pour équipements électroniques - Exigences de produit - Partie 2-113: Connecteurs circulaires - Spécification particulière relative aux connecteurs à contacts de puissance et de signalisation, avec verrouillage à vis M12 pour les transmissions de données à des fréquences allant jusqu'à 100 MHz*

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**TK 57** **Gültig ab/ valable à partir du 2017-06-13**

**SN EN 62325-451-1:2017**

[IEC 62325-451-1:2017]: Kommunikation im Energiemarkt - Teil 451-1: Geschäftsprozessnachweis und kontextbezogenes CIM-Modell für den europäischen Markt  
*Cadre pour les communications pour le marché de l'énergie - Partie 451-1: Processus métier d'accusé de réception et modèle contextuel pour le marché européen CIM*  
Ersetzt/remplace: **SN EN 62325-451-1:2013** ab/dès: **2020-03-06**

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**TK 79** **Gültig ab/ valable à partir du 2017-06-29**

**SN EN 50131-1:2006/A2:2017**

Alarmanlagen - Einbruch- und Überfallmeldeanlagen - Teil 1: Systemanforderungen  
*Systèmes d'alarme - Systèmes d'alarme contre l'intrusion et les hold-up - Partie 1: Exigences système*

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**TK 86** **Gültig ab/ valable à partir du 2017-06-12**

**SN EN 61291-5-2:2017**

[IEC 61291-5-2:2017]: Lichtwellenleiter-Verstärker - Teil 5-2: Anerkennungsspezifikation - Zuverlässigkeitsanerkennung für Lichtwellenleiter-Verstärker  
*Amplificateurs optiques - Partie 5-2: Spécifications de qualification - Qualification de fiabilité pour amplificateurs à fibres optiques*  
Ersetzt/remplace: **SN EN 61291-5-2:2002** ab/dès: **2020-06-02**

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**TK 88** **Gültig ab/ valable à partir du 2017-06-13**

**SN EN 61400-12-1:2017**

[IEC 61400-12-1:2017]: Windenergieanlagen - Teil 12-1: Messung des Leistungsverhaltens einer Windenergieanlage  
*Systèmes de génération d'énergie éoliennes - Partie 12-1: Mesures de performance de puissance des éoliennes de production d'électricité*  
Ersetzt/remplace: **SN EN 61400-12-1:2006** ab/dès: **2020-04-07**



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**TK 91**

**Gültig ab/ valable à partir du 2017-06-12**

**SN EN 60068-2-69:2017**

[IEC 60068-2-69:2017]: Umgebungseinflüsse - Teil 2-69: Prüfungen - Prüfung Te/TC: Prüfung der Lötbarkeit von Bauelementen der Elektronik und Leiterplatten mit der Benetzungswaage (Kraftmessung)

*Essais d'environnement - Partie 2-69: Essais - Essai Te/Tc: Essai de brasabilité des composants électroniques et cartes imprimées par la méthode de la balance de mouillage (mesure de la force)*

Ersetzt/remplace: **SN EN 60068-2-54:2006**

**SN EN 60068-2-69:2007** ab/dès: **2020-04-11**

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**TK 106**

**Gültig ab/ valable à partir du 2017-06-12**

**SN EN 50647:2017**

Basisnorm für die Evaluierung der beruflichen Exposition gegenüber elektrischen und magnetischen Feldern ausgehend von Komponenten und Anlagen zur Erzeugung, Übertragung und Verteilung elektrischer Energie

*Norme fondamentale pour l'évaluation de l'exposition des travailleurs aux champs électriques et magnétiques produits par les équipements et installations de production, transport et distribution d'électricité*

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**CENELEC/SR 47A**

**Gültig ab/ valable à partir du 2017-06-12**

**SN EN 62433-3:2017**

[IEC 62433-3:2017]: EMV-IC-Modellierung - Teil 3: Modelle integrierter Schaltungen für die Simulation des Verhaltens bei elektromagnetischer Beeinflussung - Modellierung von abgestrahlten Aussendungen (ICEM-RE)

*Modèles de circuits intégrés pour la CEM - Partie 3: Modèles de circuits intégrés pour la simulation du comportement lors de perturbations électromagnétiques - Modélisation des émissions rayonnées (ICEM-RE)*

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