



UNIT STANDARD, PENGUJIAN & MAKMAL AKREDITASI  
CAWANGAN KEJURUTERAAN ELEKTRIK

2 September 2014

**STANDARD TERKINI**

Laporan standard terkini sehingga **September 2014**. Beberapa standard terkini dan yang telah dimansuhkan telah disenaraikan pada muka surat berikutnya.

**TINDAKAN**


Terbitan Umum ☒ Kegunaan Dalaman ☐ Perlu Tindakan ☐

**PENTADBIRAN**

Disediakan


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Standard No.	Description
<b><i>Low-voltage Electrical Installations</i></b>	
IEC 60364-7-753 ed2.0 (2014-05)	Low-voltage electrical installations - Part 7-753: Requirements for special installations or locations – Heating cables and embedded heating systems
IEC/TR 61200-52 ed2.0 (2013-07)	Electrical installation guide - Part 52: Selection and erection of electrical equipment - Wiring systems
IEC 60364-7-714 ed2.0 (2011-12)	Low-voltage electrical installations - Part 7-714: Requirements for special installations or locations - External lighting installations
<b><i>Switchboards</i></b>	
IEC 61439-3 ed1.0 (2012-02)	Low-voltage switchgear and controlgear assemblies – Part 3 : Distribution board intended to be operated by ordinary persons (DBO)
IEC 61439-1 ed2.0 (2011-08)	Low-voltage switchgear and controlgear assemblies - Part 1: General rules
IEC 61439-2 ed2.0 (2011-08)	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies
IEC 62208 ed2.0 (2011-08)	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements
<b><i>Earthing System</i></b>	
IEC 60364-5-54 ed3.0 (2011-03)	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors
<b><i>Fluorescent Luminaires</i></b>	
IEC 60598-1 ed8.0 (2014-05)	Luminaires - Part 1 : General requirements and tests
IEC 60598-2-2 ed3.0 (2011-11)	Luminaires - Part 2-2: Particular requirements - Recessed luminaires
<b><i>Lamps / LED-lamps</i></b>	
IEC 62504 ed1.0 (2014-06)	General lighting - Light emitting diode (LED) products and related equipment - Terms and definitions
IEC/TR 62696 ed1.0 (2011-04)	Luminaires - Application of the IK code IEC 62262
IEC 62560 ed1.0 (2012-01)	Corrigendum 1 - Self ballasted LED-lamps for general lighting services by voltage >50 V – Safety specifications.



Standard No.	Description
<b><i>Lampholders</i></b>	
IEC 60400 ed7.2 (2014-06)	Lampholders for tubular fluorescent lamps and starterholders
IEC 60838-1 ed4.2 (2011-06)	Miscellaneous lampholders - Part 1: General requirements and tests
IEC 60400-am1 ed7.1 (2011-08)	Lampholders for tubular fluorescent lamps and starterholders
<b><i>Switchgears (ACB, MCCB, Fused Switchgears, Isolating Switches, Contactors and ATS)</i></b>	
IEC 60947-3 am1 ed3.0 (2013-11)	Amendment 1 – Corrigendum 1 - Low-voltage switchgear and controlgear – Part 3 : Switches, disconnectors, switch-disconnectors and fuse-combination units
IEC 60947-1 ed5.1 (2011-03)	Low-voltage switchgear and controlgear - Part 1: General rules
<b><i>Surge Protective Devices</i></b>	
IEC 61643-11 ed1.0 (2011-03)	Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods
MS IEC 61643-12:2012	Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles
<b><i>Road Lighting Luminaires</i></b>	
IEC 62384 ed1.1 (2011-03)	DC or AC supplied electronic controlgear for LED modules - Performance requirements
IEC 60598-2-3 ed3.1 (2011-11)	Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting
<b><i>Transformers</i></b>	
IEC 60076-1 ed3.0 (2011-04)	Power transformers - Part 1: General
IEC 60076-3 ed3.0 (2013-07)	Power transformers – Part 3 : Insulation levels, dielectric tests and external clearances in air
MS IEC 60076-12:2012	Power Transformers - Part 12: Loading Guide For Dry-Type Power Transformers (IEC 60076-12:2008, IDT)

Standard No.	Description
MS 60076-11:2012	Power Transformers - Part 11: Dry-Type Transformers (IEC 60076-11:2004, MOD)
<b><i>High-Voltage Switchgear and Controlgear</i></b>	
IEC 62271-102 ed1.0 (2014-06)	Corrigendum 4 - High voltage switchgear and controlgear – Part 102 : Alternating current disconnectors and earthing switches
IEC 62271-106 ed1.0 (2014-02)	Corrigendum 1 – High-voltage switchgear and controlgear – Part 106 : Alternating current contactors, contactor-based controller and motor-starters.
IEC 62271-103 ed1.0 (2013-10)	Corrigendum 1 – High-voltage switchgear and controlgear – Part 103 : Switches for related voltages above 1 kV up to and including 52 kV
IEC 62271-200 ed2.0 (2011-10)	High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV
IEC 62271-1 ed1.1 (2011-08)	High-voltage switchgear and controlgear - Part 1: Common specifications
<b><i>Lightning Protection System</i></b>	
IEC 62305-1 ed2.0 (2010-12)	Protection against lightning – Part 1 : General principles
IEC 62305-2 ed2.0 (2010-12)	Protection against lightning – Part 2 : Risk management
IEC 62305-3 ed2.0 (2010-12)	Protection against lightning – Part 3 : Physical damage to structures and life hazard
IEC 62305-4 ed2.0 (2010-12)	Protection against lightning – Part 4 : Electrical and electronic systems within structures
IEC 62561-1 ed1.0 (2012-02)	Lightning protection system components (LPSC) – Part 1: Requirements for connection components
IEC 62561-2 ed1.0 (2012-02)	Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes
IEC 62561-3 ed1.0 (2012-02)	Lightning protection system components (LPSC) – Part 3: Requirements for isolating spark gaps (ISG)
IEC 62561-5 ed1.0 (2011-06)	Lightning protection system components (LPSC) - Part 5: Requirements for earth electrode inspection housings and earth electrode seals



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IEC 62561-6 ed1.0 (2011-06)	Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)
IEC 62561-7 ed1.0 (2011-11)	Lightning protection system components (LPSC) - Part 7: Requirements for earthing enhancing
<b>Electromagnetic compatibility (EMC)</b>	
IEC 61000-4-19 ed1.0 (2014-05)	Electromagnetic compatibility (EMC) – Part 4-19 : Testing and measurement techniques – Test for immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a.c. power ports.
IEC 61000-4-5 ed3.0 (2014-05)	Electromagnetic compatibility (EMC) – Part 4-5 : Testing and measurement techniques – Surge immunity test
IEC 61000-3-2 ed4.0 (2014-05)	Electromagnetic compatibility (EMC) – Part 3-2 : Limits – Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
IEC 61000-4-6 ed4.0 (2013-10)	Electromagnetic compatibility (EMC) – Part 4-6 : Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields.
IEC 61000-3-3 ed3.0 (2013-05)	Electromagnetic compatibility (EMC) – Part 3-3 : Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection.
IEC/TR 61000-3-14 ed1.0 (2011-10)	Electromagnetic compatibility (EMC) - Part 3-14: Assessment of emission limits for harmonics, inter-harmonics, voltage fluctuations and unbalance for the connection of disturbing installations to LV power systems
<b>Safety</b>	
IEC 60903 ed3.0 (2014-07)	Live working – Electrical insulating gloves
IEC 60529 ed2.2 (2013-10)	Corrigendum 1 – Degrees of protection provided by enclosures (IP Code)
IEC/TR 60479-4 ed2.0 (2011-10)	Effects of current on human beings and livestock - Part 4: Effects of lightning strokes

Standard No.	Description
IEC/TR 60479-5 ed1.0 (2007-11)	Effects of current on human beings and livestock - Part 5: Touch voltage threshold values for physiological effects
<b>Power Cables &amp; Cable Glands</b>	
IEC 60840 ed4.0 (2011-11)	Power cables with extruded insulation and their accessories for rated voltages above 30 kV ( $U_m = 36$ kV) up to 150 kV ( $U_m = 170$ kV) - Test methods and requirements
IEC 62444 ed1.0 (2010-08)	Cable glands for electrical installations
<b>Medical Electrical Equipment</b>	
IEC 61558-2-15 ed2.0 (2011-11)	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for the supply of medical locations
<b>Testing</b>	
Project IEC 61010-2-033 ed1.0 (2012-01)	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-033: Particular requirements for hand-held multi meters and other hand-held meters, for domestic and professional use, capable of measuring mains voltage.
<b>Switches</b>	
IEC 60669-2-5 ed1.0 (2013-10)	Switches for household and similar fixed electrical installations – Part 2-5: Particular requirements – Switches and related accessories for use in home and building electronic systems (HBES)
IEC 60669-1 ed3.0 (2012-02)	Interpretation sheet 2 – Switches for household and similar fixed-electrical installations – Part 1 : General requirements
IEC 60669-2-6 ed1.0 (2012-01)	Switches for household and similar fixed electrical installation – Part 2-6: Particular requirements – Fireman's switches for exterior and interior signs and luminaries.
<b>Protection Relays</b>	
IEC 60255-27 ed2.0 (2013-10)	Measuring relays and protection equipment – Part 27: Product safety requirements
IEC 60255-26 ed3.0 (2013-05)	Measuring relays and protection equipment – Part 26 : Electromagnetic compatibility requirements



Standard No.	Description
<b><i>Residual Current Device</i></b>	
IEC 61008-1-am2 ed3.0 (2014-01)	Corrigendum 1 – Amendment 2 – Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1 : General rules
IEC 61009-1-am2 ed3.0 (2014-01)	Corrigendum 1 – Amendment 2 – Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1 : General rules
<b><i>Powertrack Systems</i></b>	
IEC 61543-1 ed2.1 (2014-06)	Powertrack systems – Part 1 : General requirements
IEC 61543-1-am1 ed2.0 (2014-06)	Amendment 1 - Powertrack systems – Part 1 : General requirements
IEC 61543-21 ed2.0 (2014-06)	Powertrack systems – Part 21 : Particular requirements for powertrack systems intended for wall and ceiling mounting
IEC 61543-22 ed2.0 (2014-06)	Powertrack systems – Part 22 : Particular requirements for powertrack systems intended for onfloor or underfloor installation

<b><i>Withdrawn</i></b>	<b><i>Replaced by</i></b>
<b>IEC 60034-2A ed1.0 (1974-01)</b> - Rotating electrical machines - Part 2: Methods for determining losses and efficiency of rotating electrical machinery from tests (excluding machines for traction vehicles) - Measurement of losses by the calorimetric method	<b>IEC 60034-2-1 ed2.0 (2014-06)</b> - Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)
<b>IEC 60255-5 ed2.0 (2000-12)</b> - Electrical Relays - Part 5: Insulation coordination for measuring relays and protection equipment - Requirements and tests	<b>IEC 60255-27 ed2.0 (2013-10)</b> - Measuring relays and protection equipment - Part 27: Product safety requirements

<i>Withdrawn</i>	<i>Replaced by</i>
<b>IEC 60255-22-1 ed3.0 (2007-10)</b> - Measuring relays and protection equipment - Part 22-1: Electrical disturbance tests - 1 MHz burst immunity tests.	<b>IEC 60255-26 ed3.0 (2013-05)</b> - Measuring relays and protection equipment – Part 26 : Electromagnetic compatibility requirements
<b>IEC 60255-22-2 ed3.0 (2008-04)</b> - Measuring relays and protection equipment - Part 22-2: Electrical disturbance tests - Electrostatic discharge tests	
<b>IEC 60255-22-3 ed3.0 (2007-07)</b> - Measuring relays and protection equipment - Part 22-3: Electrical disturbance tests - Radiated electromagnetic field immunity	
<b>IEC 60255-22-4 ed3.0 (2008-04)</b> - Measuring relays and protection equipment - Part 22-4: Electrical disturbance tests - Electrical fast transient/burst immunity test	
<b>IEC 60255-22-5 ed3.0 (2008-11)</b> - Measuring relays and protection equipment - Part 22-5: Electrical disturbance tests - Surge immunity test	
<b>IEC 60255-22-6 ed3.0 (2001-04)</b> - Electrical relays - Part 22-6: Electrical disturbance tests for measuring relays and protection equipment - Immunity to conducted disturbances induced by radio frequency fields	
<b>IEC 60255-22-7 ed3.0 (2003-04)</b> - Electrical relays - Part 22-7: Electrical disturbance tests for measuring relays and protection equipment - Power frequency immunity tests	



<b>Withdrawn</b>	<b>Replaced by</b>
<b>IEC 60255-25 ed1.0 (2000-03)</b> - Electrical relays - Part 22-7: Electrical disturbance tests for measuring relays and protection equipment - Power frequency immunity tests	
<b>IEC 60439-3 am1 ed1.0 (1993-10)</b> - Amendment 1 - Low-voltage switchgear and controlgear assemblies. Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards	<b>IEC 61439-3 ed1.0 (2012- 02)</b> – Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)
<b>IEC 60439-3 am2 ed1.0 (2001-02)</b> - Amendment 2 - Low-voltage switchgear and controlgear assemblies. Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards	
<b>IEC 60439-3 ed1.0 (1990-12)</b> - Low-voltage switchgear and controlgear assemblies. Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards	
<b>IEC 60439-3 ed1.2 (2001-05)</b> - Low-voltage switchgear and controlgear assemblies - Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use - Distribution boards	
<b>IEC 61643-1:2005</b> - Surge Protective Devices Connected to Low-Voltage Power Distribution Systems- Part 1: Performance Requirements and Testing Methods	<b>IEC 61643-11:2011</b> - Low-Voltage Surge Protective Devices-Part 11: Surge Protective Devices Connected to Low-Voltage Power Systems- Requirements and Test Methods
<b>IEC 60265-1:1998</b> - High-voltage switches - Part 1: Switches for rated voltages above 1 kV and less than 52 kV	<b>IEC 62271-103:2011</b> - High-voltage switchgear and controlgear - Part 103: Switches for rated voltages above 1 kV up to and including 52 kV

