

قائمة المواصفات القياسية للتعليمات الفنية الالزامية 68-2017 الخاصة بالتوافق الكهرومغناطيسي

(صدرت بعد إقرارها من قبل لجنة التعليمات الفنية الالزامية بتاريخ 2020\8\25 لتلغي القائمة السابقة الصادرة بتاريخ 2017\8\22)

No.	Reference	Title
1.	EN 617:2001 A1:2010	Continuous handling equipment and systems – Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers
2.	EN 618:2002 A1:2010	Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors
3.	EN 619:2002 A1:2010	Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of unit loads
4.	EN 620:2002 A1:2010	Continuous handling equipment and systems – Safety and EMC requirements for fixed belt conveyors for bulk materials
5.	EN 1155:1997 A1:2002	Building hardware – Electrically powered hold-open devices for swing doors – Requirements and test methods
6.	EN 12015:2014	Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Emission
7.	EN 12016:2013	Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity
8.	EN 12895:2015 A1:2019	Industrial trucks – Electromagnetic compatibility

No.	Reference	Title
9.	EN 13241-1:2003 A1:2011	Industrial, commercial and garage doors and gates – Product standard – Part 1: Products without fire resistance or smoke control characteristics
10.	EN 13309:2010	Construction machinery – Electromagnetic compatibility of machines with internal power supply
11.	ISO 13766-1:2018	Earth-moving and building construction machinery – Electromagnetic compatibility (EMC) of machines with internal electrical power supply – Part 1: General EMC requirements under typical electromagnetic environmental conditions
12.	EN 14010:2003 A1:2009	Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages
13.	ISO 14982:1998	Agricultural and forestry machinery -- Electromagnetic compatibility -- Test methods and acceptance criteria
14.	EN 16361:2013 A1:2016	Power operated pedestrian doors – Product standard, performance characteristics – Pedestrian doorsets, other than swing type, initially designed for installation with power operation without resistance to fire and smoke leakage characteristics
15.	EN 50065-1:2011	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 1: General requirements, frequency bands and electromagnetic disturbances

No.	Reference	Title
16.	EN 50065-2-1:2003 A1:2005 AC:2003	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-1: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in residential, commercial and light industrial environments
17.	EN 50065-2-2:2003 A1:2005 A1:2005/AC:2006 AC:2003	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-2: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in industrial environments
18.	EN 50065-2-3:2003 A1:2005 AC:2003	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-3: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 3 kHz to 95 kHz and intended for use by electricity suppliers and distributors
19.	EN 50083-2:2012 A1:2015	Cable networks for television signals, sound signals and interactive services – Part 2: Electromagnetic compatibility for equipment
20.	EN 50121-1:2006 AC:2008	Railway applications – Electromagnetic compatibility – Part 1: General
21.	EN 50121-2:2006 AC:2008	Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world
22.	EN 50121-3-1:2017	Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle

No.	Reference	Title
23.	EN 50121-3-2:2016	Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
24.	EN 50121-4:2016	Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus
25.	EN 50121-5:2017	Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus
26.	EN 50130-4:2011	Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems
27.	EN 50148:1995	Electronic taximeters
28.	EN 50270:2015 AC:2016	Electromagnetic compatibility – Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
29.	EN 50293:2012	Road traffic signal systems – Electromagnetic compatibility
30.	EN 50370-1:2005	Electromagnetic compatibility (EMC) – Product family standard for machine tools – Part 1: Emission
31.	EN 50370-2:2003	Electromagnetic compatibility (EMC) – Product family standard for machine tools – Part 2: Immunity
32.	EN 50412-2-1:2005 AC:2009	Power line communication apparatus and systems used in low-voltage installations in the frequency range 1,6 MHz to 30 MHz – Part 2-1: Residential, commercial and industrial environment – Immunity requirements

No.	Reference	Title
33.	EN 50428:2005 A1:2007 A2:2009	Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES)
34.	EN 50470-1:2006	Electricity metering equipment (a.c.) – Part 1: General requirements, tests and test conditions – Metering equipment (class indexes A, B and C)
35.	EN 50490:2008	Electrical installations for lighting and beaconing of aerodromes – Technical requirements for aeronautical ground lighting control and monitoring systems – Units for selective switching and monitoring of individual lamps
36.	EN 50491-5-1:2010	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up
37.	EN 50491-5-2:2010	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment
38.	EN 50491-5-3:2010	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industry environment
39.	EN 50498:2010	Electromagnetic compatibility (EMC) – Product family standard for aftermarket electronic equipment in vehicles

No.	Reference	Title
40.	EN 50512:2009	Electrical installations for lighting and beaconing of aerodromes – Advanced Visual Docking Guidance Systems (A-VDGS)
41.	EN 50529-1:2010	EMC Network Standard – Part 1: Wire-line telecommunications networks using telephone wires
42.	EN 50529-2:2010	EMC Network Standard – Part 2: Wire-line telecommunications networks using coaxial cables
43.	EN 50550:2011 AC:2012 A1:2014	Power frequency overvoltage protective device for household and similar applications (POP)
44.	EN 50557:2011	Requirements for automatic reclosing devices (ARDs) for circuit breakers-RCBOs-RCCBs for household and similar uses
45.	EN 50561-1:2013 AC:2015	Power line communication apparatus used in low-voltage installations – Radio disturbance characteristics – Limits and methods of measurement – Part 1: Apparatus for in-home use
46.	EN 55011:2009 A1:2010	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement
47.	EN 55012:2007 A1:2009	Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers
48.	EN 55014-1:2006 A1:2009 A2:2011	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

No.	Reference	Title
49.	EN 55014-2:1997 A1:2001 A2:2008 AC:1997	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard
50.	EN 55015:2013	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
51.	EN 55022:2010 AC:2011	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement
52.	EN 55024:2010	Information technology equipment – Immunity characteristics – Limits and methods of measurement
53.	EN 55032:2012 AC:2013	Electromagnetic compatibility of multimedia equipment – Emission requirements
54.	EN 55035:2017	Electromagnetic compatibility of multimedia equipment – Immunity requirements
55.	EN 55103-1:2009 A1:2012	Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 1: Emissions
56.	EN 55103-2:2009	Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 2: Immunity
57.	EN 60034-1:2010 AC:2010	Rotating electrical machines – Part 1: Rating and performance

No.	Reference	Title
58.	EN 60204-31:2013	Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems
59.	EN 60255-26:2013 AC:2013	Measuring relays and protection equipment – Part 26: Electromagnetic compatibility requirements
60.	EN 60669-2-1:2004 A1:2009 A12:2010 AC:2007	Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches
61.	EN 60730-1:2011	Automatic electrical controls for household and similar use – Part 1: General requirements
62.	EN 60730-2-5:2002 A1:2004 A2:2010 A11:2005	Automatic electrical controls for household and similar use – Part 2-5: Particular requirements for automatic electrical burner control systems
63.	EN 60730-2-6:2008	Automatic electrical controls for household and similar use – Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements
64.	EN 60730-2-7:2010 AC:2011	Automatic electrical controls for household and similar use – Part 2-7: Particular requirements for timers and time switches

No.	Reference	Title
65.	EN 60730-2-8:2002 A1:2003	Automatic electrical controls for household and similar use – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements
66.	EN 60730-2-9:2010	Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls
67.	EN 60730-2-14:1997 A1:2001	Automatic electrical controls for household and similar use – Part 2-14: Particular requirements for electric actuators
68.	EN 60730-2-15:2010	Automatic electrical controls for household and similar use – Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls
69.	EN 60870-2-1:1996	Telecontrol equipment and systems – Part 2: Operating conditions – Section 1: Power supply and electromagnetic compatibility
70.	EN 60945:2002	Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results
71.	EN 60947-1:2007 A1:2011 A2:2014	Low-voltage switchgear and controlgear – Part 1: General rules
72.	EN 60947-2:2006 A1:2009 A2:2013	Low-voltage switchgear and controlgear – Part 2: Circuit-breakers

No.	Reference	Title
73.	EN 60947-3:2009 A1:2012	Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switchdisconnectors and fuse-combination units
74.	IEC 60947-4-1:2018	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motorstarters
75.	EN 60947-4-2:2012	Low-voltage switchgear and controlgear – Part 4-2: Contactors and motor-starters – AC semiconductor motor controllers and starters
76.	EN 60947-4-3:2014	Low-voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – AC semiconductor controllers and contactors for non-motor loads
77.	EN 60947-5-1:2004 A1:2009 AC:2004 AC:2005	Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices
78.	EN 60947-5-2:2007 A1:2012	Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches
79.	EN 60947-5-3:1999 A1:2005	Low-voltage switchgear and controlgear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (PDF)

No.	Reference	Title
80.	EN 60947-5-6:2000	Low-voltage switchgear and controlgear – Part 5-6: Control circuit devices and switching elements – DC interface for proximity sensors and switching amplifiers (NAMUR)
81.	EN 60947-5-7:2003	Low-voltage switchgear and controlgear – Part 5-7: Control circuit devices and switching elements – Requirements for proximity devices with analogue output
82.	EN 60947-5-9:2007	Low-voltage switchgear and controlgear – Part 5-9: Control circuit devices and switching elements – Flow rate switches
83.	EN 60947-6-1:2005 A1:2014	Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment
84.	EN 60947-6-2:2003 A1:2007	Low-voltage switchgear and controlgear – Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)
85.	EN 60947-8:2003 A1:2006 A2:2012	Low-voltage switchgear and controlgear – Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines
86.	IEC 60947-9-1:2019	Low-voltage switchgear and controlgear – Part 9-1: Active arc-fault mitigation systems – Arc quenching devices
87.	EN 60974-10:2014	Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

No.	Reference	Title
88.	EN 61000-3-2:2014	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current \leq 16 A per phase)
89.	EN 61000-3-3:2013	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
90.	EN 61000-3-11:2000	Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – Equipment with rated current \leq 75 A and subject to conditional connection
91.	EN 61000-3-12:2011	Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $>$ 16 A and \leq 75 A per phase
92.	EN 61000-6-1:2007	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments
93.	EN 61000-6-2:2005 AC:2005	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments
94.	EN 61000-6-3:2007 A1:2011 A1:2011/AC:2012	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments

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95.	EN 61000-6-4:2007 A1:2011	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments
96.	EN 61000-6-5:2015 AC:2018	Electromagnetic compatibility (EMC) – Part 6-5: Generic standards – Immunity for equipment used in power station and substation environment
97.	EN 61008-1:2012 A1:2014	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules
98.	EC 61009-1:2012	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules
99.	IEC 61058-1:2016	Switches for appliances – Part 1: General requirements
100.	EN 61131-2:2007	Programmable controllers – Part 2: Equipment requirements and tests
101.	EN 61204-3:2000	Low voltage power supplies, d.c. output – Part 3: Electromagnetic compatibility (EMC)
102.	EN 61326-1:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements
103.	EN 61326-2-1:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

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104.	EN 61326-2-2:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems
105.	EN 61326-2-3:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning
106.	EN 61326-2-4:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9
107.	EN 61326-2-5:2013	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for devices with field bus interfaces according to IEC 61784-1
108.	EN 61439-1:2011	Low-voltage switchgear and controlgear assemblies – Part 1: General rules
109.	EN 61439-2:2011	Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies
110.	EN 61439-3:2012 AC:2019	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)

No.	Reference	Title
111.	EN 61439-4:2013	Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)
112.	EN 61439-5:2011	Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks
113.	EN 61439-6:2012	Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways)
114.	EN 61543:1995 AC:1997 A11:2003 A11:2003/AC:2004 A12:2005 A2:2006	Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility
115.	EN 61547:2009	Equipment for general lighting purposes – EMC immunity requirements
116.	EN 61557-12:2008	Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 12: Performance measuring and monitoring devices (PMD)
117.	EN 61800-3:2004 A1:2012	Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods
118.	EN 61812-1:2011	Time relays for industrial and residential use – Part 1: Requirements and tests

No.	Reference	Title
119.	EN 62020:1998 A1:2005	Electrical accessories – Residual current monitors for household and similar uses (RCMs)
120.	EN 62026-1:2007	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 1: General rules
121.	EN 62026-2:2013	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 2: Actuator sensor interface (AS-i)
122.	EN 62026-3:2009	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 3: DeviceNet
123.	EN 62026-7:2013	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 7: CompoNet
124.	EN 62040-2:2006 AC:2006	Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements
125.	EN 62052-11:2003	Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment
126.	EN 62052-21:2004	Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment
127.	EN 62053-11:2003	Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)
128.	EN 62053-21:2003	Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2)

No.	Reference	Title
129.	EN 62053-22:2003	Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)
130.	EN 62053-23:2003	Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3)
131.	EN 62054-11:2004	Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers
132.	EN 62054-21:2004	Electricity metering (a.c.) – Tariff and load control – Part 21: Particular requirements for time switches
133.	EN 62135-2:2008	Resistance welding equipment – Part 2: Electromagnetic compatibility (EMC) requirements
134.	EN 62310-2:2007	Static transfer systems (STS) – Part 2: Electromagnetic compatibility (EMC) requirements
135.	EN 62423:2009	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses
136.	EN 62586-1:2014	Power quality measurement in power supply systems – Part 1: Power quality instruments (PQI)
137.	EN 62586-2:2014	Power quality measurement in power supply systems – Part 2: Functional tests and uncertainty requirements
138.	EN 62606:2013	General requirements for arc fault detection devices
139.	EN 63024:2018	Requirements for automatic reclosing devices (ARDs) for circuit-breakers, RCBOs and RCCBs for household and similar uses

No.	Reference	Title
140.	EN 300 386 V1.6.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements
141.	EN 301 489-1 V1.9.2	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
142.	EN 301 489-34 V1.4.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones