

SLOVENSKI STANDARD
SIST EN IEC 60255-26:2025/FprA1:2026
01-november-2026

**Merilni releji in zaščitna oprema - 26. del: Zahteve za elektromagnetno združljivost
- Dopolnilo A1**

Measuring relays and protection equipment - Part 26: Electromagnetic compatibility
requirements - Amendment 1

Messrelais und Schutzeinrichtungen - Teil 26: Anforderungen an die elektromagnetische
Verträglichkeit

Relais de mesure et dispositifs de protection - Partie 26: Exigences de compatibilité
électromagnétique

Ta slovenski standard je istoveten z: **EN IEC 60255-26:2025/prA1:2026**

ICS:

29.120.70	Releji	Relays
33.100.01	Elektromagnetna združljivost na splošno	Electromagnetic compatibility in general

SIST EN IEC 60255-26:2025/FprA1:2026 en,fr,de

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95/646/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

IEC 60255-26/AMD1 ED4

DATE OF CIRCULATION:

2026-09-04

CLOSING DATE FOR VOTING:

2026-11-27

SUPERSEDES DOCUMENTS:

95/600/CD, 95/606/CC

IEC TC 95 : MEASURING RELAYS AND PROTECTION EQUIPMENT

SECRETARIAT:

France

SECRETARY:

Mr Thierry BARDOU

OF INTEREST TO THE FOLLOWING COMMITTEES:

TC 14, TC 17, TC 38, TC 77, TC 115, TC 122

HORIZONTAL FUNCTION(S):

ASPECTS CONCERNED:

Electricity transmission and distribution, Electromagnetic Compatibility

☒ SUBMITTED FOR CENELEC PARALLEL VOTING☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

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TITLE:

Amendment 1 - Measuring relays and protection equipment - Part 26: Electromagnetic compatibility requirements

PROPOSED STABILITY DATE: 2028

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MEASURING RELAYS AND PROTECTION EQUIPMENT –

Part 26: Electromagnetic compatibility requirements

AMENDMENT 1

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Amendment 1 to IEC 60255-26:2023 has been prepared by subcommittee MT2: electromagnetic Compatibility (EMC) Requirements for Measuring Relays and Protection Equipment, of IEC technical committee 95: Measuring relays and protection equipment.

The text of this Amendment is based on the following documents:

Draft	Report on voting
XX/XX/XXXX	XX/XX/XXX

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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54 The language used for the development of this Amendment is English.

55 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
56 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available
57 at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are
58 described in greater detail at www.iec.ch/publications/.

59 The committee has decided that the contents of this document will remain unchanged until the
60 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
61 specific document. At this date, the document will be

- 62 • reconfirmed,
- 63 • withdrawn, or
- 64 • revised.

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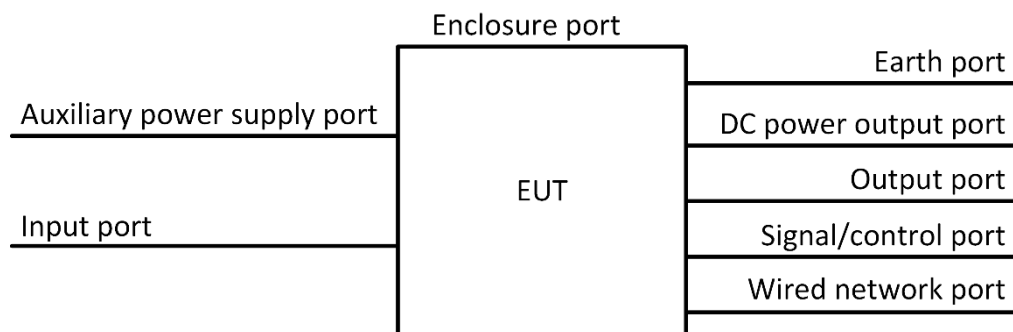
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3 Terms and definitions**3.1.23**

Replace the Figure by the following



Add the following new definitions:

3.1.28**DC power output port**

output port of a DC power supply interface to energize auxiliary equipment. The DC power output port is not used for communicating with auxiliary equipment.

3.1.29**Analogue input signal port**

input signal whose value is directly proportional to measured physical quantity with a maximum voltage of less than 50 V and a maximum current of less than 100 mA. (e.g. RTD, 20 mA interface)

[SOURCE: IEC 60050-447:2020-05, 447-03-19, modified – “with a maximum voltage of less than 50 V and a maximum current of less than 100 mA. (e.g. RTD, 20 mA interface)” has been added to the definition]

3.1.30**Pick-up signal**

output signal that asserts when a measuring relay or protection equipment starts (picks up)

[SOURCE: IEC 60050-447:2020-05, 447-04-13]

Note 1: Start signal (pick-up signal), among all output signals, can be dedicated or not.

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5.2 Conducted emission

Add the following text before Table 3

No conducted emission requirements apply to DC power output ports in conjunction with CISPR H standards

5.1 Radiated emission

Replace table 1 with the following new table

- Radiated emission limit (above 1 GHz) has been corrected in item 1.2 based on CISPR 32:2015/AMD1:2019

Table 1 – Radiated emission tests – Enclosure port

Item	Environmental phenomena	Frequency range	Limits	Reference standard	Test procedure (reference to this document)
1.1	Radiated emission (below 1 GHz)^a	30 MHz to 230 MHz	40 dB (µV/m) quasi-peak at 10 m 50 dB (µV/m) quasi-peak at 3 m	CISPR 11	See 7.2.2
		230 MHz to 1 000 MHz	47 dB (µV/m) quasi-peak at 10 m 57 dB (µV/m) quasi-peak at 3 m		
1.2	Radiated emission (above 1 GHz)	1 GHz to 6 GHz	60 dB (µV/m) average at 3 m 80 dB (µV/m) peak at 3 m	CISPR 32	See 7.2.2

^a Measuring relays and protection equipment are apparatus which satisfy the class A limits. Limits can be measured at a nominal distance of 3 m or 10 m or 30 m. A measuring distance less than 10 m is allowed only for equipment which complies with the definition for "small equipment" given in 3.1.26. In the case of measurements at a separation distance of 30 m, an inverse proportionality factor of 20 dB per decade shall be used to normalize the measured data to the specified distance for determining compliance.

At the transition frequency, the more stringent limit shall apply.

6.3 Immunity of signal/control port and wired network port

Replace table 7 with the following new table

- source impedance is removed from the item 7.4 to prevent inconsistencies with the application of the EMC basic standard.

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111

Table 7 – Immunity tests – signal/control port and wired network port

Item	Environmental phenomena	Test specification	Units	Basic EMC publication	Test procedure	Acceptance criteria (see 8.2)
7.1	Conducted disturbance induced by radio-frequency fields Frequency sweep Test frequency range Test level (prior to modulation) Source impedance Amplitude modulated Frequency step size Spot frequencies Test spot frequencies Test level (prior to modulation) Source impedance Amplitude modulated	 0,15 to 80 10 150 80 ≤ 1 27 $\pm$ 0,135 10 150 80	 MHz V (RMS) Ω % AM (1 kHz) % (of preceding frequency value) MHz V (RMS) Ω % AM (1 kHz)	 IEC 61000-4-6	 See 7.3.7	 A
7.2	Electrical fast transient/burst Rise time t_r / Pulse duration t_d Test level Zone A Zone B Repetition frequency Source impedance	 5 / 50 4 2 5 50	 ns kV (peak voltage) kV (peak voltage) kHz Ω	 IEC 61000-4-4	 See 7.3.4	 B
7.3	Damped oscillatory waves Voltage oscillation frequency Test level Common mode Zone A Voltage oscillation frequency Test level Common mode	 1 1 3/10/30 2	 MHz kV (peak voltage) MHz kV (peak voltage)	 IEC 61000-4-18	 See 7.3.5	 B

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Item	Environmental phenomena	Test specification	Units	Basic EMC publication	Test procedure	Acceptance criteria (see 8.2)
7.4	Surge					
	Front time / Time to half value	1,2/50 (8/20)	µs voltage (current)			
	Test level					
	Line-to-Line			IEC 61000-4-5	See 7.3.6	B
	Zone A	0,5 1 2	kV			
	Zone B	0,5 1	kV			
	Line-to-earth					
	Zone A	0,5 1 2 4	kV			
	Zone B	0,5 1 2	kV			

112

113

114

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