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Railway applications - Brake indicators

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EN 15220

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Supersedes EN 15220:2016

English Version

Railway applications - Brake indicators

Applications ferroviaires - Indicateurs de freins

Bahnanwendungen - Bremsanzeigevorrichtungen

This European Standard was approved by CEN on 25 May 2025.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 15220:2025 (E)

Contents	Page
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	6
4 Symbols and abbreviated terms.....	6
5 Requirements.....	6
5.1 Functional requirements.....	6
5.1.1 General.....	6
5.1.2 Application/release status.....	6
5.1.3 Lubrication (pneumatic brake indicator).....	7
5.1.4 Leakage (pneumatic brake indicator).....	7
5.1.5 Electrical characteristics.....	7
5.2 Operating conditions.....	7
5.2.1 Shock and vibration.....	7
5.2.2 Altitude.....	7
5.2.3 Temperature.....	7
5.2.4 Humidity.....	7
5.2.5 Rain.....	8
5.2.6 Snow, ice and hail.....	8
5.2.7 Solar radiation.....	8
5.2.8 Pollution.....	8
5.2.9 Specific requirements for pneumatic parts of brake indicators.....	9
5.2.10 Specific requirements for electrical parts of brake indicators.....	9
5.3 Design requirements.....	9
5.3.1 External appearance.....	9
5.3.2 Fire/smoke behaviour.....	9
5.3.3 Pneumatic connections.....	9
5.3.4 Electric connections and contacts.....	9
5.3.5 Space envelope.....	9
5.3.6 Indicator window.....	9
6 Type test methods.....	10
6.1 Sampling for type test.....	10
6.2 Test requirements.....	10
6.3 Test procedure.....	10
6.3.1 Principle.....	10
6.3.2 Check of physical and geometrical characteristics.....	11
6.3.3 Pressure test (water pressure).....	12
6.3.4 Protection against ingress of dust and water.....	12
6.3.5 Insulation test.....	13
6.3.6 Dielectric strength.....	13
6.3.7 Tightness test.....	13
6.3.8 Application/release status control.....	16
6.3.9 Vibration test.....	17
6.3.10 Resistance to shock test.....	18

6.3.11	Endurance at ambient temperature test.....	18
6.3.12	Corrosion test.....	19
6.3.13	Fire/smoke behaviour.....	19
6.3.14	Examination.....	19
7	In-service assessment.....	20
8	Marking.....	20
	Annex A (informative) Brake indicator and parking brake indicator overall dimensions.....	21
	Annex B (informative) In-service assessment.....	26
B.1	General.....	26
B.2	Service trial.....	26
B.3	Sample.....	26
B.4	Initial tests (before start of the service trial).....	26
B.5	Intermediate test.....	26
B.6	Final tests.....	26

EN 15220:2025 (E)**European foreword**

This document (EN 15220:2025) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15220:2016.

EN 15220:2025 includes the following significant technical changes with respect to EN 15220:2016:

- Scope has been modified;
- Normative references have been updated;
- Clause 5 “Requirements” has been revised and restructured;
- Clause 6 “Type test methods” has been revised;
- Clause 7 “In Service assessment” has been revised and restructured (new informative Annex B added);
- Clause 8 “Routine tests” has been deleted;
- Clause 9 “Designation” has been deleted;
- Annex ZA has been deleted.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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1 Scope

This document specifies the requirements for the function, design, performance and testing of brake indicators. It applies to brake indicators visible from the outside of the rail vehicle.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 45545-2, *Railway applications — Fire protection on railway vehicles — Part 2: Requirements for fire behaviour of materials and components*

EN 50121-3-2, *Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus*

EN 50125-1:2014, *Railway applications - Environmental conditions for equipment - Part 1: Rolling stock and on-board equipment*

EN 50155:2021, *Railway applications - Rolling stock - Electronic equipment*

EN 60423, *Conduit systems for cable management - Outside diameters of conduits for electrical installations and threads for conduits and fittings*

EN 60529:1991¹, *Degrees of protection provided by enclosures (IP Code)*

EN 60721-3-5, *Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 5: Ground vehicle installations*

EN 61373, *Railway applications - Rolling stock equipment - Shock and vibration tests*

EN ISO 228-2, *Pipe threads where pressure-tight joints are not made on the threads - Part 2: Verification by means of limit gauges (ISO 228-2:1987)*

EN ISO 6270-2, *Paints and varnishes - Determination of resistance to humidity - Part 2: Condensation (in-cabinet exposure with heated water reservoir) (ISO 6270-2:2017)*

EN ISO 9227, *Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2022)*

EN ISO 24478:2024, *Railway applications - Braking - General vocabulary (ISO 24478:2023, including corrected version 2024-04)*

ISO 5208, *Industrial valves — Pressure testing of metallic valves*

ISO 4975, *Railway applications — Braking system — Quality of compressed air for pneumatic apparatus and systems*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ As impacted by EN 60529:1991/corrigendum May 1993, EN 60529:1991/A1:2000, EN 60529:1991/A2:2013, EN 60529:1991/AC:2016-12-02 and EN 60529:1991/A2:2013/AC:2019-02