



SLOVENSKI STANDARD SIST EN 15220:2025

01-september-2025

Nadomešča:
SIST EN 15220:2016

Železniške naprave - Kazalniki zavor

Railway applications - Brake indicators

Bahnanwendungen - Bremsanzeigevorrichtungen

Applications ferroviaires - Indicateurs de freins

Ta slovenski standard je istoveten z: EN 15220:2025

<https://standards.iteh.ai/catalog/standards/sist/ac87fa83-3af4-4fd8-82a3-49860bdaa2c3/sist-en-15220-2025>

ICS:

45.040

Materiali in deli za železniško tehniko
Materials and components
for railway engineering

SIST EN 15220:2025

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 15220

July 2025

ICS 45.060.01

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.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

(<https://standards.iteh.ai>)
Document Preview

SIST EN 15220:2025

<https://standards.iteh.ai/catalog/standards/sist/ac87fa83-3af4-4fd8-82a3-49860bdaa2c3/sist-en-15220-2025>



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

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

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