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Railway applications - Braking - Distributor valves and distributor-isolating devices

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

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English Version

Railway applications - Braking - Distributor valves and distributor-isolating devices

Applications ferroviaires - Freinage - Distributeurs de freinage et robinet d'isolement

Bahnanwendungen - Bremse - Steuerventile und Bremsabsperreinrichtungen

This European Standard was approved by CEN on 18 February 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN 15355:2019 (E)**Contents**

Page

European foreword.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Symbols and abbreviations	14
4.1 Symbols.....	14
4.2 Abbreviations	14
5 Requirements to function, design and manufacturing.....	14
5.1 Functional requirements.....	14
5.2 Control chamber.....	14
5.3 Pilot volume	14
5.4 Auxiliary reservoir volume and brake cylinder size.....	14
5.5 Shock and vibration	15
5.6 Service life.....	15
5.7 Compressed air quality	15
5.8 Environmental conditions	15
5.8.1 General.....	15
5.8.2 Ambient temperature.....	15
5.8.3 Altitude	15
5.8.4 Humidity.....	15
5.8.5 Other environmental specifications.....	16
5.9 Design requirements regarding structural integrity at maximum pressure	17
5.10 Tightness.....	17
5.11 Fire behaviour	17
6 Functional requirements and Type tests.....	17
6.1 General.....	17
6.2 Test benches	17
6.3 Functional requirements and tests.....	18
6.3.1 General.....	18
6.3.2 Tightness.....	18
6.3.3 Inexhaustibility.....	20
6.3.4 Compensation of output pressure during brake application.....	24
6.3.5 Normal working pressure	25
6.3.6 Released and stand by position	26
6.3.7 Maximum output pressure in relation to input pressure reduction.....	29
6.3.8 Maximum output pressure and build-up and release times of an individual distributor valve.....	30
6.3.9 Release time within a train consist.....	32
6.3.10 Sensitivity	32
6.3.11 Insensitivity.....	33
6.3.12 Control sensitivity and hysteresis.....	34
6.3.13 Quick service function	35
6.3.14 Propagation speed	36
6.3.15 Inshot function	37
6.3.16 Manual release function	37

6.3.17	Distributor isolating device	40
6.3.18	Protection against input pressure overcharge	45
6.3.19	Initial charging of the brake system of a vehicle.....	47
6.3.20	Initial charging of the brake system of a train	49
6.3.21	Maximum supply pressure.....	49
6.3.22	Tests at different temperatures	49
6.3.23	Shock and vibration.....	51
6.3.24	Distributor dump valve	52
7	In-service assessment.....	53
8	Designation	53
9	Identification and marking	54
9.1	Distributor valve.....	54
9.2	Distributor-isolating device.....	54
Annex A (normative) Test benches		55
A.1	General	55
A.2	Test bench Type A for single vehicle	55
A.3	Test bench Type B for train with 400 m length	57
A.4	Test bench Type C for train with 500 m length.....	57
A.5	Test bench Type D for train with 750 m length.....	57
A.6	Test bench Type E for train with 1 200 m length	57
Annex B (normative) Handle for operating the distributor-isolating device		58
Annex C (normative) In-service assessment.....		59
Annex ZA (informative) Relationship between this European Standard and the essential requirements of EU Directive 2008/57/EC aimed to be covered		60
Bibliography		62

EN 15355:2019 (E)**European foreword**

This document (EN 15355:2019) 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 November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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 15355:2008+A1:2010.

The main changes compared to EN 15355:2008+A1:2010 are:

- a) the standard’s scope has been modified;
- b) normative references have been updated;
- c) terms and definitions have been revised;
- d) requirements on function, design and manufacturing have been revised;
- e) requirements on type tests have been revised;
- f) requirements on in-service assessment have been revised;
- g) requirements on designation have been revised;
- h) requirements on identification and marking have been revised;
- i) normative annexes have been revised;
- j) Annex ZA has been updated.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive 2008/57/EC.

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document applies to distributor valves and distributor-isolating devices.

The distributor valves contained in this document are of graduable release type. Direct release types are not included.

Functionally they are regarded as not containing relay valves of any type, even if the relay valves are physically an integral part of the distributor valves.

This document applies to both distributor-isolating devices mounted separate from the distributor valve and distributor-isolating devices integral with the distributor valve.

This document specifies the requirements for the design, testing and quality assurance of distributor valves and distributor-isolating devices.

The distributor valve and distributor-isolating device are intended to be part of a brake system mounted in a vehicle with maximum length of 31 m and maximum brake pipe volume of 25 l taking into consideration brake pipe inner diameters between 25 mm and 32 mm.

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 14198, *Railway applications — Braking — Requirements for the brake system of trains hauled by locomotives*

EN 14478:2017, *Railway applications — Braking — Generic vocabulary*

EN 15611, *Railway applications — Braking — Relay valves*

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

EN 60721-3-5:1997, *Classification of environmental conditions — Part 3: Classification of groups of environmental parameters and their severities — Section 5: Ground vehicle installations (IEC 60721-3-5:1997)*

EN 61373:2010, *Railway applications — Rolling stock equipment — Shock and vibration tests (IEC 61373:2010)*

ISO 8573-1:2010, *Compressed air — Part 1: Contaminants and purity classes*

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