SLOVENSKI STANDARD
SIST EN 12259-15:2025

01-junij-2025

Vgrajene naprave za gašenje - Sestavni deli sprinklerjev in sistemov s pršečo vodo - 15. del: Razpršilniki z razpršilnim vzorcem s faktorjem k najmanj K160, z razširjeno pokritostjo najmanj K80 in za posebno uporabo z nadzornim režimom

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 15: Spray pattern sprinklers with a k-factor of at least K160, extended coverage sprinklers of at least K80 and control mode special application sprinklers

Ortsfeste Brandbekämpfungsanlagen– Bauteile für Sprinkler- und Sprühwasseranlagen– Teil 15: Sprinkler mit einem k-Faktor von mindestens K160, Sprinkler mit erweiterter Reichweite von mindestens K80 und Sprinkler für spezielle Anwendungen im Regelbetrieb

Installations fixes de lutte contre l'incendie - Composants des systèmes d'extinction du type sprinkleur et à pulvérisation d'eau - Partie 15 : Sprinkleurs de type spray avec un coefficient K d'au moins K160, sprinkleurs à couverture étendue d'au moins K80 et sprinkleurs en mode contrôle pour applications spécifiques

Ta slovenski standard je istoveten z: **EN 12259-15:2025**

ICS:

13.220.10	Gašenje požara	Fire-fighting

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EUROPEAN STANDARD

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English Version

Fixed firefighting systems - Components for sprinkler and water spray systems - Part 15: Spray pattern sprinklers with a k-factor of at least K160, extended coverage sprinklers of at least K80 and control mode special application sprinklers

Installations fixes de lutte contre l'incendie - Composants des systèmes d'extinction du type sprinkleur et à pulvérisation d'eau - Partie 15 : Sprinkleurs de type spray avec un coefficient K d'au moins K160, sprinkleurs à couverture étendue d'au moins K80 et sprinkleurs en mode contrôle pour applications spécifiques

Ortsfeste Brandbekämpfungsanlagen - Bauteile für Sprinkler- und Sprühwasseranlagen - Teil 15: Schirm-Sprinkler mit einem k-Faktor von mindestens K160, Weitwurf-Sprinkler von mindestens K80 und Sprinkler für spezielle Anwendungen im Regelbetrieb

This European Standard was approved by CEN on 2 March 2025.

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

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Contents

Page

European foreword

This document (EN 12259-15:2025) has been prepared by Technical Committee CEN/TC 191 “Fixed firefighting systems”, the secretariat of which is held by BSI.

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 October 2025, and conflicting national standards shall be withdrawn at the latest by October 2025.

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.

EN 12259, *Fixed firefighting systems — Components for sprinkler and water spray systems*, consists of the following parts:

— *Part 1: Sprinklers;*

— *Part 2: Wet alarm valve assemblies;*

— *Part 3: Dry alarm valve assemblies;*

— *Part 4: Water motor alarms;*

— *Part 5: Water flow detectors;*

— *Part 9: Deluge alarm valves;*

— *Part 12: Pumps;*

— *Part 13: ESFR sprinklers;*

— *Part 14: Sprinklers for residential applications.*

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.

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, 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 the United Kingdom.

Introduction

The response characteristics of classic sprinklers (EN 12259-1 and EN 12259-15) is based on the measurement of both sensitivity and conductivity (C-factor). For EN 12259-13 sprinkler type (ESFR) their response characteristics are determined without reference to its conductivity.

1 Scope

This document specifies requirements and test methods for spray pattern sprinklers with a k-factor of at least K160, extended coverage (EC) sprinklers of at least K80, extended coverage storage sprinklers of at least K200 and control mode special application (CMSA) sprinklers. This document only covers sprinkler types up to K360.

This document does not apply to concealed, conventional, flat spray, flush and recessed sprinklers.

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 12259 (all parts), *Fixed firefighting systems — Components for sprinkler and water spray systems*

EN 12259-1:1999+A1:2001,[1] *Fixed firefighting systems — Components for sprinkler and water spray systems — Part 1: Sprinklers*

EN 12845 (all parts),[2] *Fixed firefighting systems — Automatic sprinkler systems*

EN IEC 60751, *Industrial platinum resistance thermometers and platinum temperature sensors (IEC 60751)*

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in the EN 12845 series and the EN 12259 series apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
extended coverage sprinkler
sprinkler with a k-factor of 80 to 200 intended to be installed in accordance with the EN 12845 series to protect non-storage occupancies

3.2
extended coverage storage sprinkler
sprinkler with a k-factor of 200 and larger and intended to be installed in accordance with EN 12845-2 to protect storage occupancies

[1] As impacted by EN 12259-1:1999+A1:2001/A2:2004 and EN 12259-1:1999+A1:2001/A3:2006.
[2] This series is under development.