

<b>STN</b>	<b>Stabilné hasiace zariadenia Komponenty pre sprinklerové a vodné rozstrekovacie zariadenia Časť 13: ESFR sprinklery</b>	<b>STN EN 12259-13</b>  92 0407
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Fixed firefighting systems - Components for sprinkler and water spray systems - Part 13: ESFR sprinklers

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

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**Fixed firefighting systems - Components for sprinkler and  
water spray systems - Part 13: ESFR sprinklers**

Installations fixes de lutte contre l'incendie -  
Composants des systèmes d'extinction du type  
sprinkleur et à pulvérisation d'eau - Partie 13 :  
Sprinkleurs ESFR

Ortsfeste Brandbekämpfungsanlagen - Bauteile für  
Sprinkler- und Sprühwasseranlagen - Teil 13: ESFR-  
Sprinkler

This European Standard was approved by CEN on 4 December 2022.

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

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## European foreword

This document (EN 12259-13:2022) 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of an identical text or by endorsement, at the latest by June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

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.

**EN 12259-13:2022 (E)****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 early suppression and fast response (ESFR) sprinklers with a nominal discharge coefficient of 200 (pendent and upright), 240 (pendent and upright), 320 (pendent), 360 (pendent), 400 (pendent) and 480 (pendent) l/min/(bar)<sup>1/2</sup>.

## 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 12259-1:1999+A1:2001<sup>1</sup>, *Fixed firefighting systems — Components for sprinkler and water spray systems — Sprinklers*

EN 12845-2, *Fixed firefighting systems — Automatic sprinkler systems — Part 2: Design and installation of ESFR and CMSA sprinkler systems*

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**

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<sup>1</sup> As impacted by EN 12259-1:1999+A1:2001/A2:2004 and EN 12259-1:1999+A1:2001/A3:2006.