

Nadomešča:**SIST EN 13501-3:2006+A1:2009**

Požarna klasifikacija gradbenih proizvodov in elementov stavb - 3. del:
Klasifikacija na podlagi podatkov iz preskusov požarne odpornosti proizvodov in
elementov servisnih inštalacij v stavbah: požarno odporni ventilacijski kanali in
požarne lopute in/ali električni, krmilni in komunikacijski kabli

Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ventilation ducts and fire dampers and/or power, control and communication cables

Klassifizierung von Bauprodukten und Bauteilen zu ihrem Brandverhalten - Teil 3:
Klassifizierung mit den Ergebnissen aus den Feuerwiderstandsprüfungen an
Bauprodukten und Bauteilen von gebäudetechnischen Anlagen: feuerwiderstandsfähige
Lüftungsleitungen und Brandschutzklappen und/oder Stromkabel und -leitungen, Steuer-
und Kommunikationskabel

Classement au feu des produits et éléments de construction - Partie 3 : Classement utilisant des données d'essais de résistance au feu de produits et éléments utilisés dans des installations de service : conduits de ventilation et clapets résistants au feu, et/ou câbles de puissance, de commande et de communication

Ta slovenski standard je istoveten z: EN 13501-3:2025

ICS:

13.220.50	Požarna odpornost gradbenih materialov in elementov	Fire-resistance of building materials and elements
91.060.40	Dimniki, jaški, kanali	Chimneys, shafts, ducts

SIST EN 13501-3:2025**en,fr,de**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13501-3

August 2025

ICS 13.220.50

Supersedes EN 13501-3:2005+A1:2009

English Version

Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ventilation ducts and fire dampers and/or power, control and communication cables

Classement au feu des produits et éléments de construction - Partie 3 : Classement utilisant des données d'essais de résistance au feu de produits et éléments utilisés dans des installations de service : conduits de ventilation et clapets résistants au feu, et/ou câbles de puissance, de commande et de communication

Klassifizierung von Bauprodukten und Bauarten zu ihrem Brandverhalten - Teil 3: Klassifizierung mit den Ergebnissen aus den Feuerwiderstandsprüfungen an Bauteilen von haustechnischen Anlagen: Feuerwiderstandsfähige Leitungen, Brandschutzklappen und/oder Strom-, Steuer- und Kommunikationskabel

This European Standard was approved by CEN on 18 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.



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
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions	6
4 Fire scenarios	8
4.1 General.....	8
4.2 The standard temperature/time curve (post flashover fire)	8
4.3 Heat exposure at constant temperature of 842 °C.....	8
5 Resistance to fire performance characteristics	8
5.1 Performance characteristics.....	8
5.1.1 Introduction.....	8
5.1.2 E - Integrity.....	9
5.1.3 I - Insulation	9
5.1.4 S - Smoke leakage.....	9
5.1.5 P - Continuity of power and/or signal supply.....	9
5.1.6 Pca - Continuity of power and/or signal supply.....	9
5.1.7 PHca - Continuity of power and/or signal supply.....	10
6 Declaration of fire resistance classification.....	10
6.1 Classification periods	10
6.2 Designatory letters.....	10
6.3 Declaration of classification.....	10
6.4 Combinations of classes.....	11
6.5 Presentation of classification	11
6.5.1 Fire resisting ventilation ducts.....	11
6.5.2 Fire dampers	11
6.5.3 Fire protective systems for electric cable systems.....	12
6.5.4 Unprotected electric cables with intrinsic fire resistance	12
6.5.5 Unprotected small electric cables with intrinsic fire resistance	12
6.6 Declaration of fire resistance classes in product specifications.....	12
7 Classification procedure for fire resistance.....	12
7.1 General.....	12
7.1.1 Procedure	12
7.1.2 General rules for deducing the number of fire resistance tests.....	13
7.1.3 Field of application.....	14
7.2 Classification.....	14
7.2.1 General.....	14
7.2.2 Fire resisting ventilation ducts.....	14
7.2.3 Fire dampers	16
7.2.4 Fire protective systems for cable systems and associated components.....	18
7.2.5 Unprotected electric cable with intrinsic fire resistance	19
7.2.6 Unprotected small electric cables with intrinsic fire resistance	20
Annex A (normative) Classification report.....	22

Annex B (normative) Additional fire damper classifications if declared	28
Bibliography	29

iTeh Standards
(<https://standards.itih.ai>)
Document Preview

[SIST EN 13501-3:2025](https://standards.itih.ai/catalog/standards/sist/8b5ffe2f-5dd5-4ed3-831e-10bb9fc07e6a/sist-en-13501-3-2025)

<https://standards.itih.ai/catalog/standards/sist/8b5ffe2f-5dd5-4ed3-831e-10bb9fc07e6a/sist-en-13501-3-2025>