

DIN EN 13501-3:2025-10 (E)

**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**

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