

FUNCTIONAL INTEGRITY SOLUTIONS FOR THE IT-SECTOR



Brandschutzsysteme GmbH



CNV Series

Celsion
network distribution
board cabinet

suitable for
functional integrity
for 30 minutes

Fire resistance: 30 minutes



Range of application:

Residential and office buildings
Industrial buildings
Sales outlets
Airports
Tunnels
Nursing homes and hospitals
Places of public assembly

Fields of applications



Functional integrity

- retrofit electrical installations
- IT-servers
- safety relevant installations
(Voice Alarm System, Fire Alarm System)



Fire resistance

- for fires from outside



Smoke-retardant

- for smoke from the inside and outside



Development principles or
European scope of testing:

- EN 1634-3
smoke protection proof

**Celsion
network distribution
board cabinet**

suitable for
functional integrity
for 90 minutes

Fire resistance: 90 minutes



Range of application:

Residential and office buildings
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Fields of application



Functional integrity

- retrofit electrical installations
- IT-servers
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Fire resistance

- for fires from outside



Smoke-retardant

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Development principles or
European scope of testing:

- **EN 1634-3**
smoke protection proof
- **EN 1047-2**
Valuable containers - classification and
methods for testing the resistance to
fire; Part 2: Data storage rooms and
data backup containers

CNV network distribution board cabinet

Maximum safety in the smallest space!

Based on the Regulation and Scope of Use and Application of the DIBt as well as fire tests at a test center or expertise with a **functional integrity** of at least **30 minutes** according to Z-86.1-23 and for **90 minutes** according to **Z-86.1-28** or **Z-86.1-78**, as well as approval in individual cases.

In the case of Building Authority Requirements, approval in individual cases (ZiE) or project related Construction Technique Permit (vBG) is required.

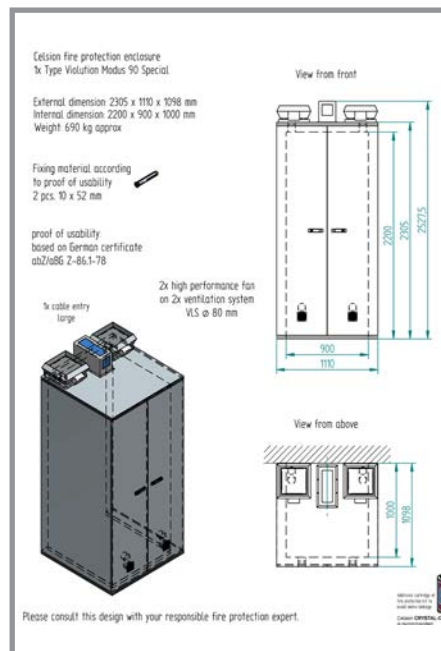
Limit values based on EN 1047-2:

Under appropriate ambient conditions in the room where the system is installed, the max. temperature rise of 50 K and the max. relative humidity of 85 % over 90 minutes can be complied. The CNV can be used for data backup of IT systems or for functional integrity in case of fire of e.g. servers of aviation security.

Optional:

- cross-linkable swivel levers
- room air conditioning
(connection to existing air conditioning system recommended)
- network racks
- extinguishing system
(to be checked on a project-specific basis)

Images: project-specific custom solutions



As of September 2023

Please refer also to:

IT-Grundschutz Compendium Edition 2023
Publisher: Federal Office for Information Security (www.bsi.bund.de)

IT-Grundschutz Modules (Edition 2023)
INF: Infrastructure
INF.2 Data center as well as server room
INF.5 Room and cabinet for technical infrastructure
and other documents
Publisher: Federal Office for Information Security (www.bsi.bund.de)

Building regulations and technical building specifications of the federal states, as well as guidelines and directives and also other areas of law (e.g. labor law) especially with focus on fire protection and personal protection (escape routes)

project-, institution- and IT-related fire protection and safety concepts

project-related requirements, for example from insurance providers

DIN EN 50600 Information technology - Equipment and infrastructures of data centers

List not exhaustive - for orientation purposes only.

Please observe the customer-specific and building regulations, specifications and notes.

You can obtain further information from the main catalogue, the operating and assembly instructions and the eventually necessary proof of suitability (abZ/ZiE).



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