



CNV 30 Series - Network distribution board cabinet

CNV 90 Series - Network distribution board cabinet



FUNCTIONAL INTEGRITY SOLUTIONS FOR THE IT-SECTOR



GERMAN
ENGINEERING

**solution
for fire protection
from the outside**



Administration
Bautzen



WE SELL TIME

COMPANY PORTRAIT

Celsion Brandschutzsysteme GmbH is one of the leading fire protection companies and has been your partner in fire protection for more than 20 years.

By protecting escape routes and safeguarding functional integrity in a case of fire and by being involved in various working groups and standards committees, we not only view ourselves as a manufacturer of products, but as a customer-related service provider.

During planning phases, we offer innovative solutions that are individually coordinated with planners and architects to ensure smooth building processes. Celsion develops, designs and produces fireprotection cabinets (free-standing and wall cabinets, wall add-on enclosures), inspection doors and fire-resistant partition wall systems for a wide variety of applications.



Training room
Munich

Production plant,
Werk II

Training room
Spreetal

Technical office
Mainz

Training room
Mainz

Production plant,
Werk I

Technical office
Munich

CNV Network distribution board cabinet Series

Celsion network distribution board cabinet

Suitable
for functional integrity
for 30 minutes

Fire resistance: 30 minutes



Ranges of application:

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

Fields of application



Functional integrity

- Retrofit electrical installations
- IT server
- Safety relevant installations (Voice Alarm System, Fire Alarm System)



Fire resistance

- For fires from outside



Smoke-retardant

- For smoke from inside and outside



Development principles or European scope of testing:

- **EN 1634-3**
smoke protection proof

CNV Network distribution board cabinet Series

Celsion network distribution board cabinet

Suitable for functional integrity for 90 minutes

Fire resistance: 90 minutes



Ranges of application:

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

Fields of application



Functional integrity

- Retrofit electrical installations
- IT server
- Safety relevant installations (Voice Alarm System, Fire Alarm System)



Fire resistance

- For fires from outside



Smoke-retardant

- For smoke from inside and outside

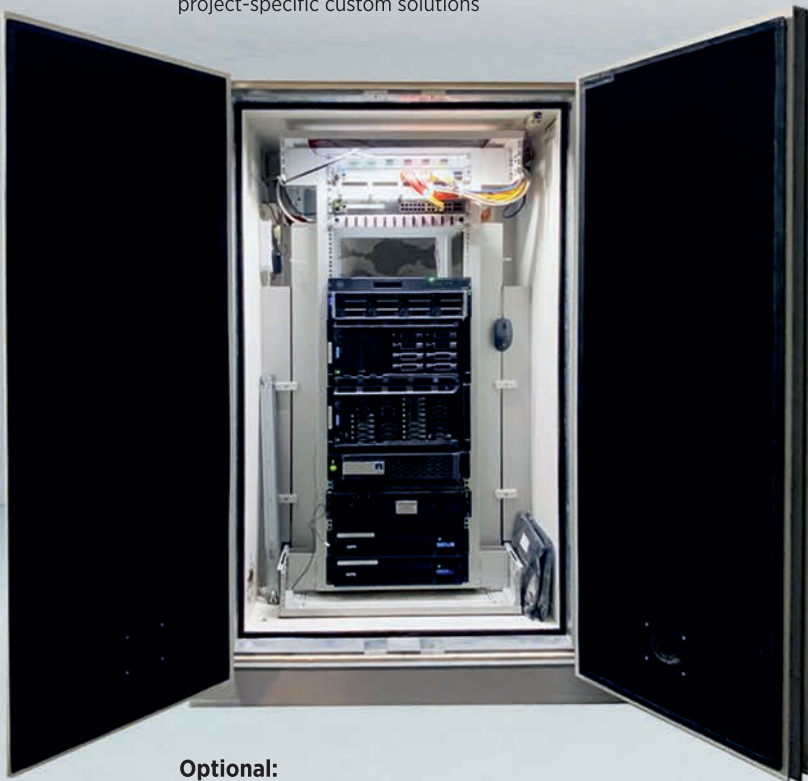


Development principles or European scope of testing:

- **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

Images:
project-specific custom solutions



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)

Maximum safety in the smallest space!

Based on the Regulation and Scope of Use and Application of the DIBt as well as firetests 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.

Example:

Lesion fire protection enclosure
Type CNV 30 special

External dimension 2395 x 1222 x 1136 mm
Internal dimension 2145 x 1000 x 940 mm
Weight: 1000 kg approx.

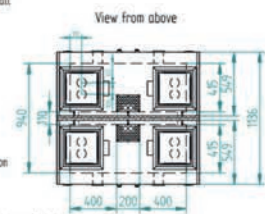
proof of usability:
based on German certificate
abz/raBG Z-86.1-23

2x cable entry
EKE-B

4x high performance fan
on 8x ventilation system
CLS \varnothing 80 mm



single planked
rear wall



Please consult this design with your responsible fire protection expert.

Regulations, norms and laws - a short excerpt

Please refer to:

Europe/International

IT-Grundschutz Compendium + Modules (Edition 2023) e.g. Modules INF: Infrastructure (e.g. INF.2, INF.5)

Publisher: Federal Office for Information Security

Please note the individual state building orders and fire protection - or life safety guidelines, administrative rules and technical building regulations valid in the individual federal states.

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

project-related requirements, for example from insurance providers

EN 50600 Information technology - Data centre facilities and infrastructures

IEV International Electrotechnical Dictionary

EN 1366-11

EN 1363-1

Dubai/United Arab Emirates

Information Security Regulation 2023

Dubai Electronic Security Center

Critical Information Infrastructure Protection (CIIP) Policy

UAE Fire and Life Safety Code of Practice 2018

India

Cyber Security Policy (2019)

National Electrical Code of India 2023

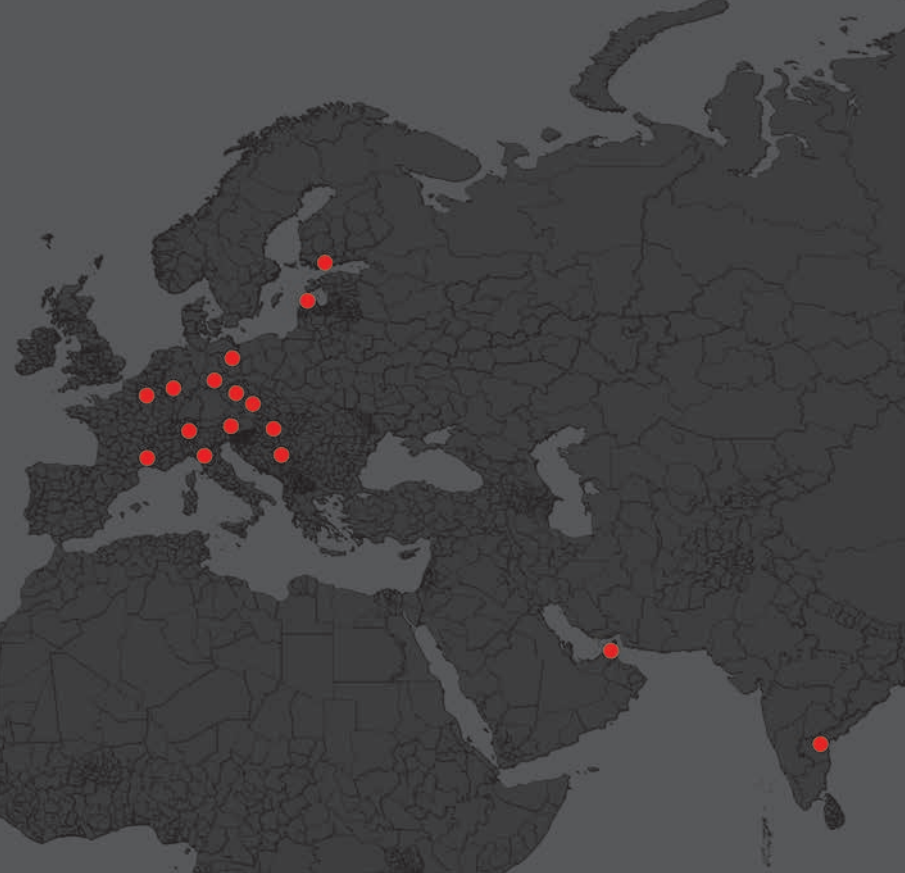
National Building Code of India 2016

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 verification of fitness for use





International sales locations

-  Germany, Dresden
-  Austria, Klagenfurt
-  Switzerland, Zurich
-  France, Villerbanne
-  Luxembourg, Bettembourg
-  Italy, Turin
-  Czech Republic, Prague
-  Slovakia,
-  Hungary, Budapest
-  Serbia, Belgrade
-  Estonia, Tallinn
-  Finland, Vantaa
-  India, Chennai
-  UAE, Dubai

We accept no liability for any inaccuracies or errors.



Your partner in fire protection since 2001!

Administration & International Sales

Celsion Brandschutzsysteme GmbH
Dresdener Strasse 51
D-02625 Bautzen, Germany
Tel.: +49 (0) 3591 / 270 78 - 42
E-mail: sales@celsion.de