

**Specification text: Celsion Fire Protection Enclosure (CK- 30/ CK 30-SHD/ CK 30-SHW)**

Tested fire protection enclosure with a fire resistance duration of at least 30 minutes, with a fire load from outside in the sense of F30, tested in accordance with DIN EN 1363-1.

Tested fire protection enclosure, suitable for maintaining the functional integrity for at least 30 minutes in the event of external fire exposure in the sense of E30, tested in accordance with DIN EN 1363-1. Based on the general technical approval / general construction type approval Z-86.1-54 in the sense of E30 and F30 in accordance with MLAR 2005 5.2.2 c.

Proof of the heat development of electrical/electronic installations in the enclosure under normal condition and in the event of fire can be provided on a project-specific basis by calculation.

**Fire protection enclosure type small distribution board (CK)**

- Suitable for functional integrity over 30 minutes
- With a tested fire resistance of 30 minutes (flame exposure from inside and outside)
- Protection class-tested enclosure

**Dimensions and technical data**

- **Type CK 1-30 fire protection enclosure as small distribution board**  
**External dimensions in mm**                      **Internal dimensions in mm**  
H 314    W 314    D 168                              H 200    W 200    D 100  
Weight approx. 11 kg
- **Type CK 2-30 fire protection enclosure as small distribution board**  
**External dimensions in mm**                      **Internal dimensions in mm**  
H 414    W 414    D 218                              H 300    W 300    D 150  
Weight approx. 22 kg
- **Type CK 3-30 fire protection enclosure as small distribution board**  
**External dimensions in mm**                      **Internal dimensions in mm**  
H 514    W 514    D 218                              H 400    W 400    D 150  
Weight approx. 31 kg
- **Type (CK) fire protection enclosure as small distribution board special, customized**  
**External dimensions in mm**                      **Internal dimensions in mm**  
H \_\_\_\_ W \_\_\_\_ D \_\_\_\_                              H \_\_\_\_ W \_\_\_\_ D \_\_\_\_  
Weight approx. \_\_\_\_ kg
- **Type CK 30 - SHW/SHD fire protection enclosure as small distribution board**  
**External dimensions in mm**                      **Internal dimensions in mm**  
H \_\_\_\_ W \_\_\_\_ D \_\_\_\_                              H \_\_\_\_ W \_\_\_\_ D \_\_\_\_  
Weight approx. \_\_\_\_ kg
- Protection class 2, enclosure with double insulation (with optional plastic caps for wall mounting)
- Protection class according to EN 62208 / EN 60529 classification IP 54
- Tested fire protection enclosure with test number from a state-approved MPA
- With standard cable entries
- e.g.: CK 2-30  
on two sides: 3 x 40 mm Ø, 4 x 18 mm, on one side: 1 x 40 mm, in accordance with the catalogue
- e.g.: CK 1-30  
on two sides: 2 x 40 mm Ø, 4 x 18 mm, in accordance with the catalogue
- e.g.: CK 30 - SHW/SHD  
on two sides: 2 x 40 mm Ø, 4 x 18 mm or on two sides: 3 x 40 mm Ø, 4 x 18 mm, depending on the design

Further information can be found at [www.celsion.de](http://www.celsion.de)

Printing errors and mistakes cannot be completely ruled out. In case of uncertainty, please contact us.

## Enclosure

- Lid with tension locks, optionally lockable
- Exterior color light grey, similar to RAL 7035 (special color on request)
- Incl. wall mounting kit, consisting of European technically approved wall plugs
- Smoke-retardant
- Suitable for temperature limits from 10°C in accordance with EN 62208 under normal operating conditions
- Compliance with the humidity limit values in accordance with EN 62208 and the following parts in normal operation
- Tested with built-in components and integrated cable bulkhead
- Cable entry with integrated heat accumulator, resulting in minimal heat entry into the enclosure via the cable entry
- Two to four stainless steel tension locks (depending on type)
- Optionally with swivel lever for CK 30 - SHW/SHD, with cable entries on the sides according to verification of fitness for use

## Material

- Basic fire protection boards non-flammable
- coated fire protection boards meet the requirements of DIN EN 438-2, e.g. abrasion resistance, impact resistance, scratch resistance, etc. ...
- Multi-layer, patented wall construction made of non-flammable building materials, with endothermic middle layers to keep the temperature low even in the event of fire
- Surface: high-quality coated basic fire protection panels with high impact and shock resistance as well as chemical resistance
- The standard surface coating is  $\leq 0.5$  mm and therefore fulfills the instructions in the MVVTB that coatings up to 0.5 mm layer thickness do not affect the assessment of the building material class.
- Fireproof with all-round seal to prevent the passage of smoke (three-stage protective function) from the inside to the outside in relation to escape and rescue routes

## Test data required to assess the functional integrity according to gem. MLAR 11.2005

(Example: series CK 2)

- Temperature increase of the air measured at 2/3 height: **max. 47 Kelvin** after 30 minutes
- Max. humidity in the event of fire inside the enclosure: **100%** after 30 minutes

The assessment of whether the electrical installations to be installed remain functional must be performed on a project-specific basis, in accordance with MLAR 2005.

## Options

- Closure with swivel lever (4-point) \_ CK 30-SHW/SHD
- Special colors and special coatings
- Ventilation system KLS 40-60 for flaming from the outside

## Installation and assembly

- High-quality assembly instructions for easy assembly with enclosed documentation
- Incl. wall mounting kit, consisting of European technically approved wall plugs
- RAL quality mark certificate from Gütegemeinschaft Brandschutz im Ausbau e.V.

## Product

Celsion Brandschutzsysteme GmbH  
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or equivalent.

If a different product is used, the approvals and calculations of the excess temperature including temperature curves must be submitted to the planning office. Equivalence is only given if the above requirements are met.

Service:

Delivery and ready-to-use assembly

Assembly companies certified according to GBA or equivalent

## Advantages of small distribution board (CK) - Fire protection enclosure 30 min

Maximum safety in the smallest space. This enclosure is a fire-retardant partition to protect escape routes from the fire load and, vice versa, to protect clamps and fuses.

Due to the freely selectable surface, which can optionally be adapted to the existing architecture, the fire protection housing can also be used in representative areas.

On request, the system can be equipped with the required installations, e.g. fuses, clamps on top-hat rails, and simply screwed to the wall as a complete unit on site.

Thanks to the built-in "CKE" cable entries, no further fire protection measures are necessary.

### Explanations:

Abbreviation	Description
GBA	Gütegemeinschaft Brandschutz im Ausbau e.V.
MLAR	Model piping system directive (Musterleitungsanlagenrichtlinie)
MPA	Materials testing institute
MVVTB	Model administrative regulation