

Specification text: LX 30 Fire protection – module enclosure

Tested fire protection enclosure, suitable for functional integrity and fire load insulation with a fire resistance of at least 30 minutes, with a fire load from outside and up to 60 minutes with a fire load from the inside in accordance with EN 1363-1, EN 13501.

Verification of functional integrity of electrical installations with the help of a calculation or type testing at an MPA.

Fire protection enclosure type standing enclosure (LX 30)

- With a tested fire resistance of 30 minutes i<->o
- Suitable for functional integrity over 30 minutes
- Fire load insulation over 30/60 minutes
- DIBt verification of fitness for use and VKF recognized

Dimensions and technical data

Wall-mounted enclosure/standing enclosure

- **Type LX 3.1-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 560 W 324 D 275 H 486 (450*) W 250 D 200
Weight approx. 34 kg
- **Type LX 4.1-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 710 W 324 D 275 H 636 (600*) W 250 D 200
Weight approx. 40 kg
- **Type LX 5.1-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 860 W 324 D 275 H 786 (750*) W 250 D 200
Weight approx. 47 kg
- **Type LX 6.1-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1010 W 324 D 275 H 936 (900*) W 250 D 200
Weight approx. 53 kg
- **Type LX 8.1-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1310 W 324 D 275 H 1236 (1200*) W 250 D 200
Weight approx. 67 kg
- **Type LX 4.2-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 710 W 574 D 275 H 636 (600*) W 500 D 200
Weight approx. 58 kg
- **Type LX 5.2-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 860 W 574 D 275 H 786 (750*) W 500 D 200
Weight approx. 68 kg
- **Type LX 6.2-30/200 fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1010 W 574 D 275 H 936 (900*) W 500 D 200
Weight approx. 77 kg

Further information can be found at www.celsion.de

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Standing enclosure

- **Type LX 8.2-30/200 fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1310 W 574 D 275	H 1236 (1200*) W 500 D 200

Weight approx. 96 kg
- **Type LX 12.1-30/200 fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 324 D 275	H 1836 (1800*) W 250 D 200

Weight approx. 93 kg
- **Type LX 12.2-30/200 fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 574 D 275	H 1836 (1800*) W 500 D 200

Weight approx. 133 kg
- **Type LX 12.1-30/250 fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 324 D 325	H 1836 (1800*) W 250 D 250

Weight approx. 103 kg
- **Type LX 12.2-30/250 fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 574 D 325	H 1836 (1800*) W 500 D 250

Weight approx. 144 kg

*UNUSABLE SPACE FOR INSTALLATIONS

- Tested fire protection enclosure with test number from a state-approved MPA
- With standard cable entry (according to technical documentation)

Enclosure

- Lock with narrow edge banding to protect against impact loads on the edge, swivel lever and 2-point locking mechanism, flush-closing doors.
- Swivel lever, material PA
- The enclosure can be locked at any time by simply pressing the swivel lever shut; a key is not required for locking.
- Single-door: door hinge on the right
- Fireproof with all-round seal to prevent the leakage of smoke (three-stage protection function). First stage up to 95° C smoke-inhibiting and fireproof. The second stage begins at approx. 300° C with complete endothermic sealing of the enclosure. From 180° C to 1000° C, the third stage begins to additionally foam the enclosure if necessary.
- Tested with built-in components and integrated cable bulkhead
- Exterior color light grey, similar to RAL 7035

Material

- Basic fire protection panels non-combustible
- Coated fire protection panels meet the requirements of DIN EN 438-2, e.g. abrasion resistance, impact resistance, scratch resistance, etc. ...
- Surface: high-quality coated basic fire protection panels with high impact and shock resistance as well as chemical resistance
- 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

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- The standard surface coating is ≤ 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.

Temperature and ventilation

- Compliance with the temperature and humidity limit values in accordance with EN 61439 in normal operation
- Cable entry with integrated heat accumulator, resulting in minimal heat entry into the enclosure via the cable entry
- Patented features include: Enclosure, cable entry and various additional options

Options

- F30 in the sense of E30, patented and tested KLS ventilation system, smoke-retardant, for dissipating heat loss
- Fastening to the floor when installed in front of a lightweight partition wall
- Use of internal or external fan
- Retrofitting to locking system with DIN half cylinder possible
- Pre-assembled enclosure ex works

Installation and assembly

- High-quality assembly instructions for easy installation and assembly with enclosed documentation
- Incl. wall mounting kit M10 with European verification of fitness for use
- Top-hat rails and mounting frames can be attached to the inner walls. Standardized installation fields can be used.
- Certificate RAL quality mark from the Gütegemeinschaft Brandschutz im Ausbau e.V.

Repairability

- Easy repair in the event of damage by replacing individual modules (subject to inspection by the manufacturer)

Product

or equivalent

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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

Advantages of LX 30

Lightweight fire protection enclosure for easy installation and maximum safety standards. Safety in the smallest of spaces.

The system is shipped as a modular kit for easier installation in the building, and the assembly instructions make it easy to put together. Due to the optional ventilation system „KLS“ and the built-in "CKE" cable entry(ies), no further fire protection measures are necessary.

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Explanations:

Abbreviation	Description
MLAR	Model piping system directive (Musterleitungsanlagenrichtlinie)
CKE	Celsion cable entry
MPA	Materials testing institute
MVVTB	Model administrative regulation