

Specification text: LX 90 Fire protection module enclosure

Tested fire protection enclosure, suitable for functional integrity with a fire resistance of at least 90 minutes, with a fire load from outside. Tested for use in high ambient humidity.

Verification of the function of installations via calculation/expert opinion or fire laboratory type test

Fire protection module enclosure (LX 90)

- Suitable for functional integrity
- With a tested fire resistance of 90 minutes

Dimensions* and technical data

- **Type LX 500.325-90/180 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 610 W 399 D 254 H 500 W 325 D 180
Weight approx. 40 kg
- **Type LX 4.1-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 710 W 324 D 274 H 600 W 250 D 200
Weight approx. 47 kg
- **Type LX 5.1-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 860 W 324 D 274 H 750 W 250 D 200
Weight approx. 55 kg
- **Type LX 6.1-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1010 W 324 D 274 H 900 W 250 D 200
Weight approx. 62 kg
- **Type LX 8.1-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1310 W 324 D 274 H 1200 W 250 D 200
Weight approx. 78 kg
- **Type LX 4.2-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 710 W 574 D 274 H 600 W 500 D 200
Weight approx. 71 kg
- **Type LX 5.2-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 860 W 574 D 274 H 750 W 500 D 200
Weight approx. 82 kg
- **Type LX 6.2-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1010 W 574 D 274 H 900 W 500 D 200
Weight approx. 93 kg
- **Type LX 8.2-90/200 Fire protection module enclosure, single-door**
External dimensions in mm **Internal dimensions in mm**
H 1310 W 574 D 274 H 1200 W 500 D 200
Weight approx. 115 kg

- **Type LX 12.1-90/200 Fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 324 D 274	H 1800 W 250 D 200

Weight approx. 130 kg
- **Type LX 12.2-90/200 Fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 574 D 274	H 1800 W 500 D 200

Weight approx. 178 kg
- **Type LX 12.1-90/250 Fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 324 D 324	H 1800 W 250 D 250

Weight approx. 135 kg
- **Type LX 1800.600-90/400 Fire protection module enclosure, single-door**

External dimensions in mm	Internal dimensions in mm
H 1910 W 674 D 474	H 1800 W 600 D 400

Weight approx. 220 kg
- With standard cable entry (each 2x \varnothing 40mm und 32x \varnothing 18mm)
*Tolerance +/- 5mm

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 (can be retrofitted to locking system).
- The enclosure can be locked at any time by simply pressing the swivel lever shut; a key is not required for locking.
- Single-door: Variable door hinge, standard: right
- Metal edge protection
- 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.
- Exterior color light grey
- Ventilation system KLS

Material

- Basic fire protection panels non-flammable
- 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

Temperatures and ventilation

- Compliance with temperature and humidity limits in accordance with EN 61439 in normal operation possible

Installation and assembly

- Assembly as module enclosure for easy installation possible
- High-quality assembly instructions for easy installation
- Incl. wall mounting kit M10x100
- Top-hat rails and mounting frames can be attached to the inner walls. Standardized installation fields can be used.

Product

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or equivalent.

Advantages fire protection enclosure type LX 90

Modular fire protection enclosure for easy installation.

The system is equipped with the required installations, e.g. fuses, etc. and simply set up on site as a finished element. Due to the built-in "CKE" cable entries, no further fire protection measures are necessary.

Explanations:

Abbreviation	Description
MPA	Materials testing institute