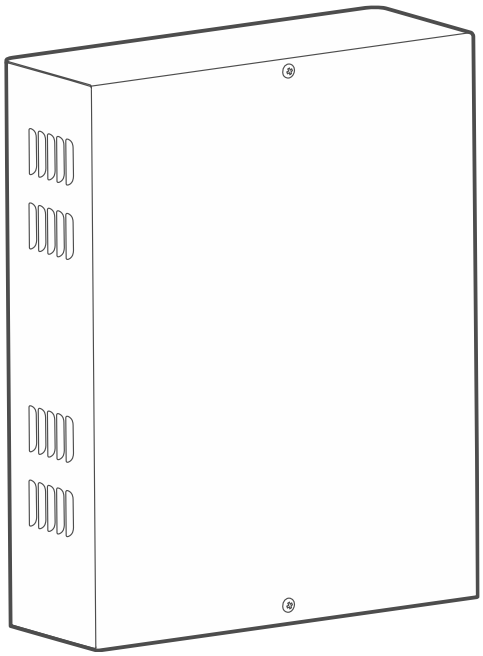
Enclosure

OMI-5

EN



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The following symbols may be used in this manual:

 - note,

 - caution.

CONTENTS

The OMI-5 enclosure is used to mount the INT-E, INT-O and INT-PP expanders. When additional accessories are installed (OMI-5 DIN, OMI-5 PI), it is possible to mount other SATEL devices in the enclosure.

The OMI-5 enclosure meets the EN 50131 requirements for GRADE 3.

The additional accessories are sold separately.

Do not install in the enclosure the ABAX 2, ABAX or MICRA radio devices.

1. Features

- Capacity to install up to 12 INT-E expanders or up to 6 INT-O / INT-PP expanders (flexible options to arrange the devices according to your needs).
- Slot for the APS-612 / APS-412 power supply or a transformer.
- 12 V / 17 Ah battery tray.
- Capability to install additional accessories:
  - DIN rails (OMI-5 DIN),
  - plastic mounting inserts (OMI-5 PI).
- High mechanical strength.
- Tamper protection against enclosure opening and removing from mounting surface.

2. Description

In the enclosure base there are holes for pins to fasten the PCBs of:

- 12 INT-E expanders (see: *Installing the INT-E expanders*),
- 6 INT-O / INT-PP expanders (see: *Installing the INT-O / INT-PP expanders*).

Fastened to the enclosure base is the DIN rail for mounting the APS-612 / APS-412 power supply. In the enclosure there is the battery tray.

The holes for screws are used to install:

- additional mounting accessories:
  - 2 DIN rails (see: *Installing the OMI-5 DIN rails*). The rails can be used to mount the INT-ORS and INT-IORS expanders in the enclosure (see: *Examples of installing devices in* the enclosure).
  - 2 plastic mounting inserts: inner and outer one (see: *Installing the OMI-5 PI mounting inserts*). For a detailed list of devices that can be set up on the mounting inserts, see the *Description of* mounting inserts section.
- transformer (see: *Installing the transformer*).

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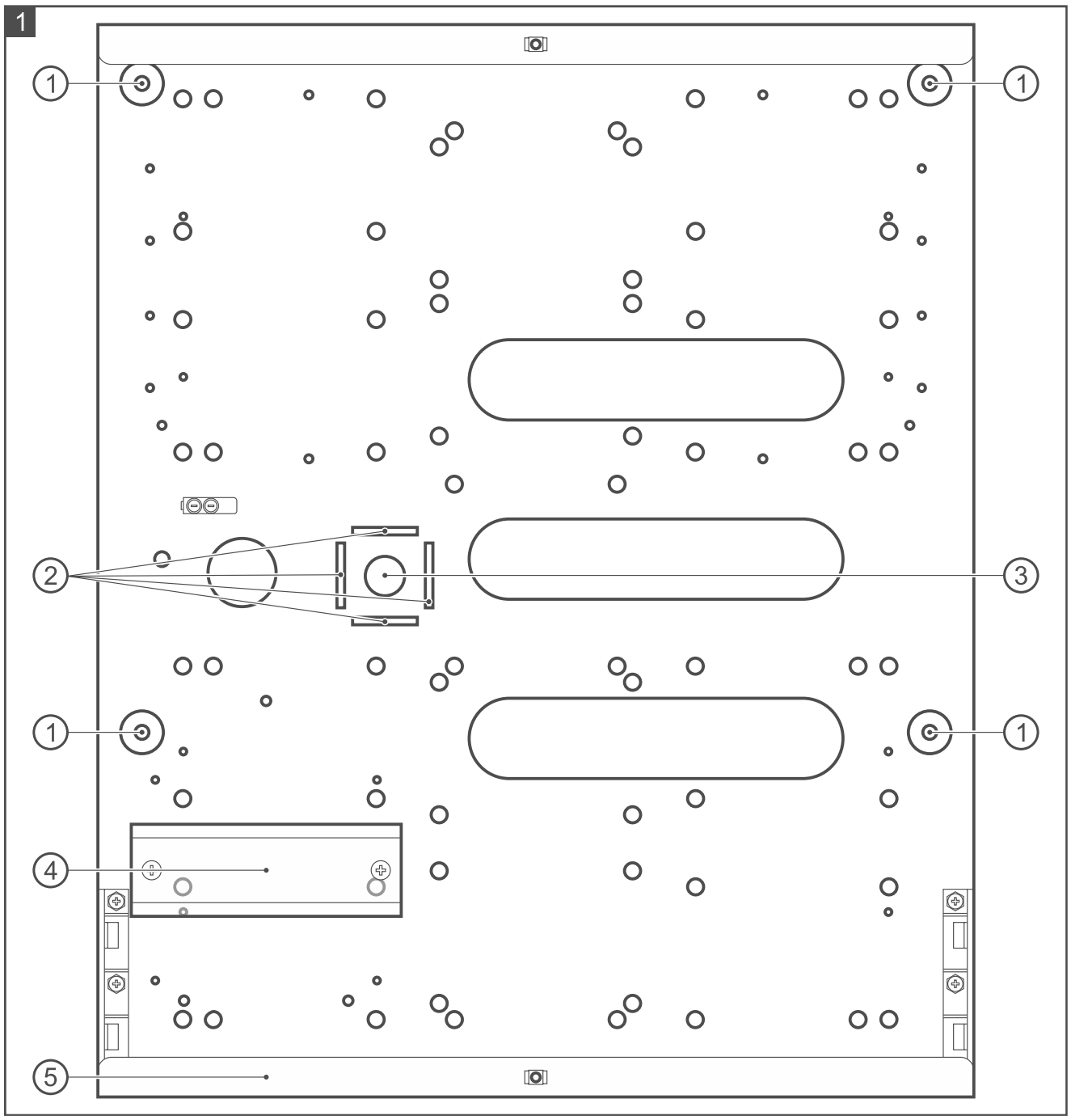


(1) mounting holes.

(2) holes for the tamper switch holder.

(3) mounting hole for the tamper switch.

(4) DIN rail for mounting the APS-612 / APS-412 power supply.

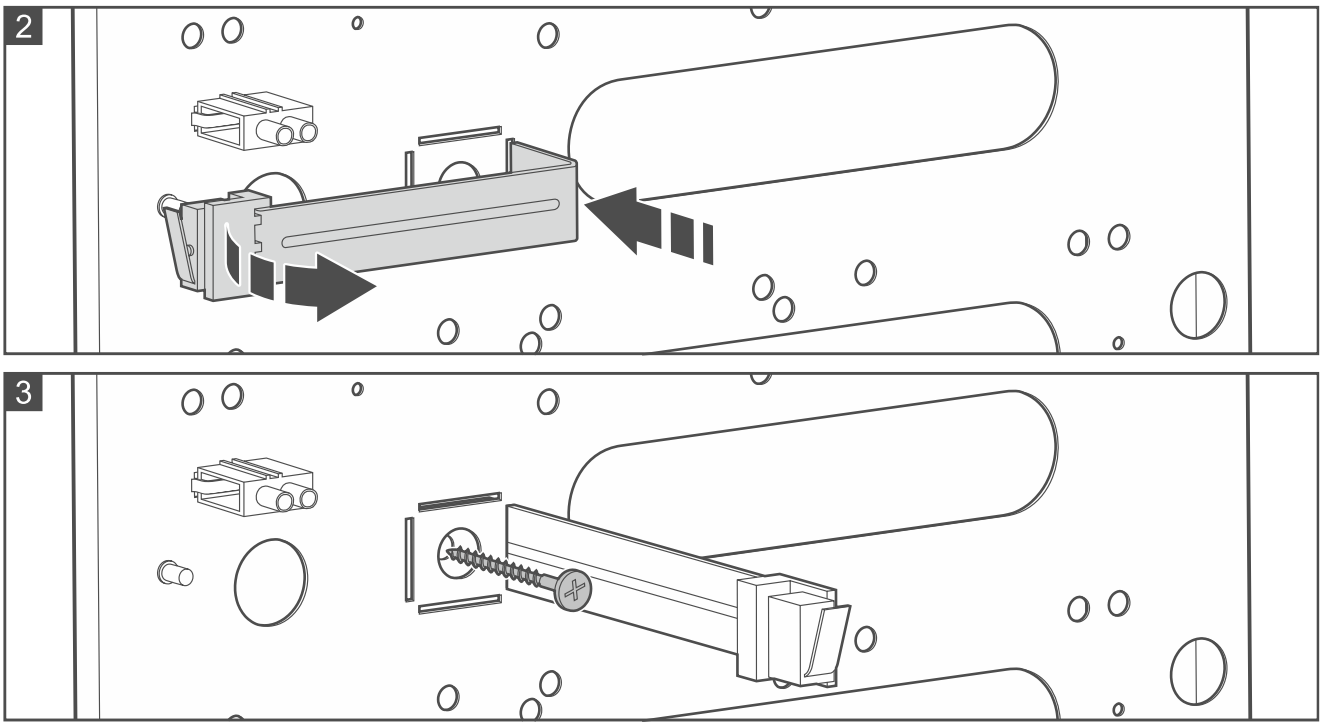
(5) 12 V / 17 Ah battery tray.

3. Installation

1. Open the enclosure.
2. Place the enclosure base against the wall and mark the location of the mounting holes (Fig. 1). If you want to install the tamper switch in the enclosure base, mark the location of the tamper switch mounting hole (Fig. 1).

The enclosure must have the tamper switch (to detect opening and removing from the surface) if it is to meet the requirements of Standard EN 50131 for GRADE 3.

3. Drill the holes in the wall for wall plugs (anchors). Select wall plugs specifically intended for the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
4. Run the cables through the holes in the enclosure base.
5. Secure the enclosure base to the wall with screws.
6. Pass the tamper switch holder through the hole in the enclosure base (Fig. 2) and secure it to the wall with a screw (Fig. 3). You can pass the holder through one of the 4 available holes.



7. Plan the arrangement of devices in the enclosure (see: *Installing the INT-E expanders*, *Installing the INT-O / INT-PP expanders*, *Installing the OMI-5 DIN rails*, *Installing the OMI-5 PI mounting inserts* and *Examples of installing devices in* the enclosure).
8. Put the plastic pins for fastening PCBs in their respective holes.
9. When you are installing additional accessories (DIN rail, mounting inserts), fasten them with screws to the base. Before fastening the mounting inserts with screws, plan the arrangement of devices on the inserts and put the pins in the appropriate holes (see: *Description of* mounting inserts).
10. If you are installing a transformer in the enclosure, remove the DIN rail and fasten the transformer to the base (see: *Installing the transformer*). Connect the 230 VAC power wires to the corresponding terminals on the transformer.

Never connect two devices with power supply to a single-section transformer.

Before connecting the transformer to a circuit from which it will be powered, make sure the circuit is de-energized.

11. If you are installing a battery in the enclosure, place it on the tray (Fig. 1 and 11-B).
12. Secure all devices and connect the wires.
13. Replace the cover and lock it with a screw.

3.1 Installing the INT-E expanders

Fig. 4 shows you where to install the INT-E expanders (DIN rail for mounting the power supply is removed).

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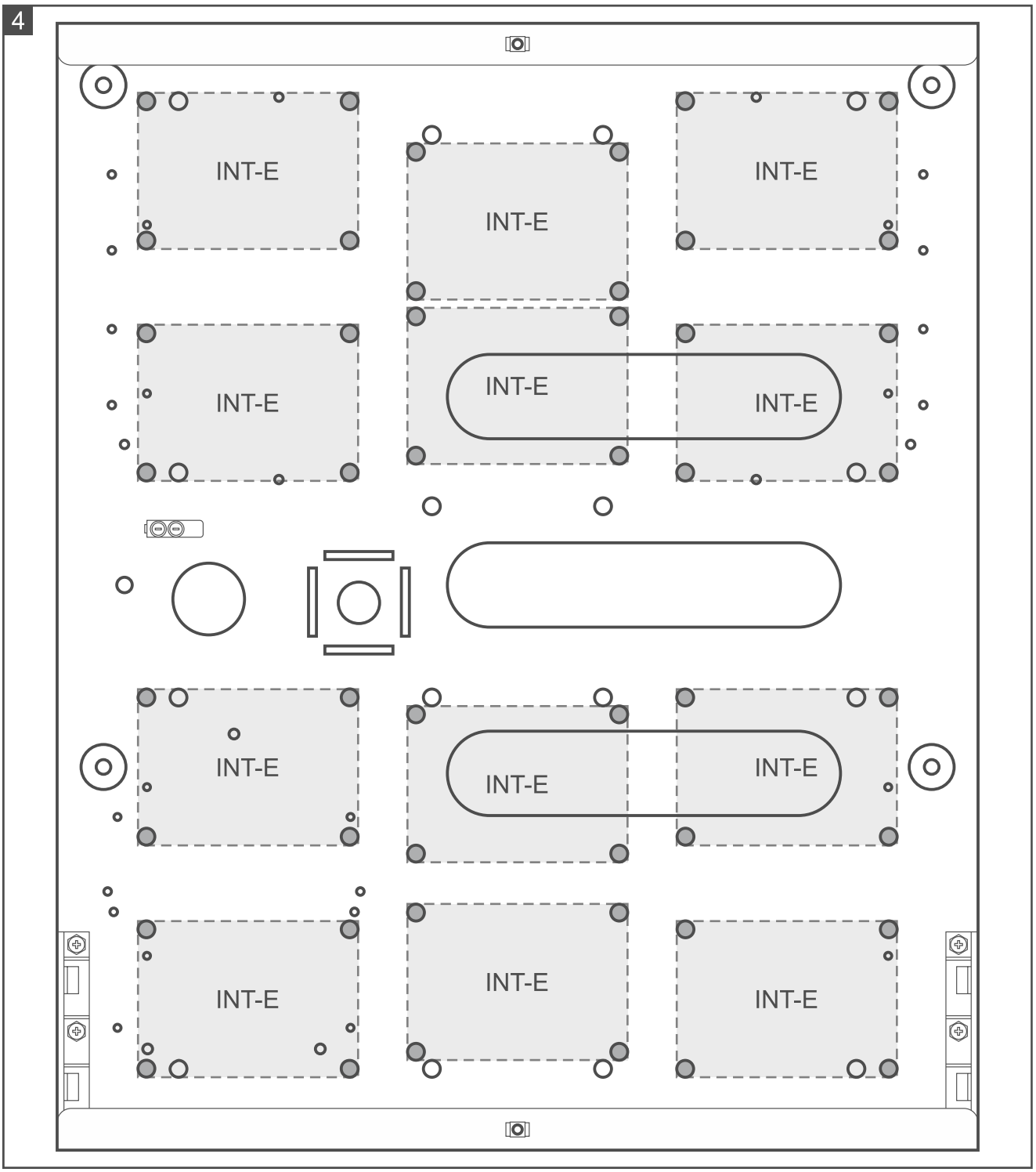

holes for pins to fasten the INT-E expanders.

3.2 Installing the INT-O / INT-PP expanders

Fig. 5 shows you where to install the INT-O / INT-PP expanders (DIN rail for mounting the power supply is removed).

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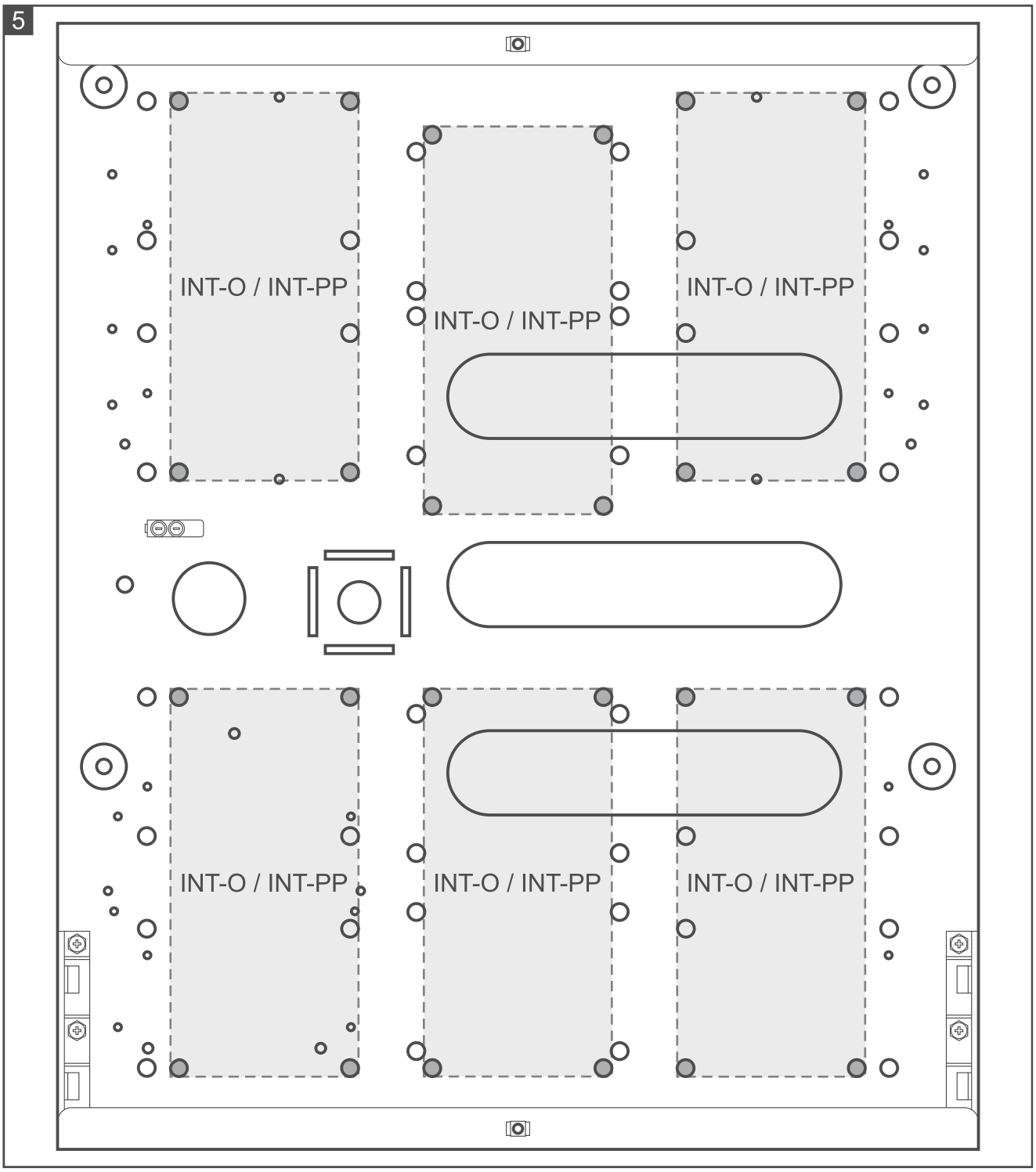

holes for pins to fasten the INT-O / INT-PP expanders.

3.3 Installing the OMI-5 DIN rails

Fig. 6 shows you where to secure the OMI-5 DIN rail (DIN rail for mounting the power supply is removed).

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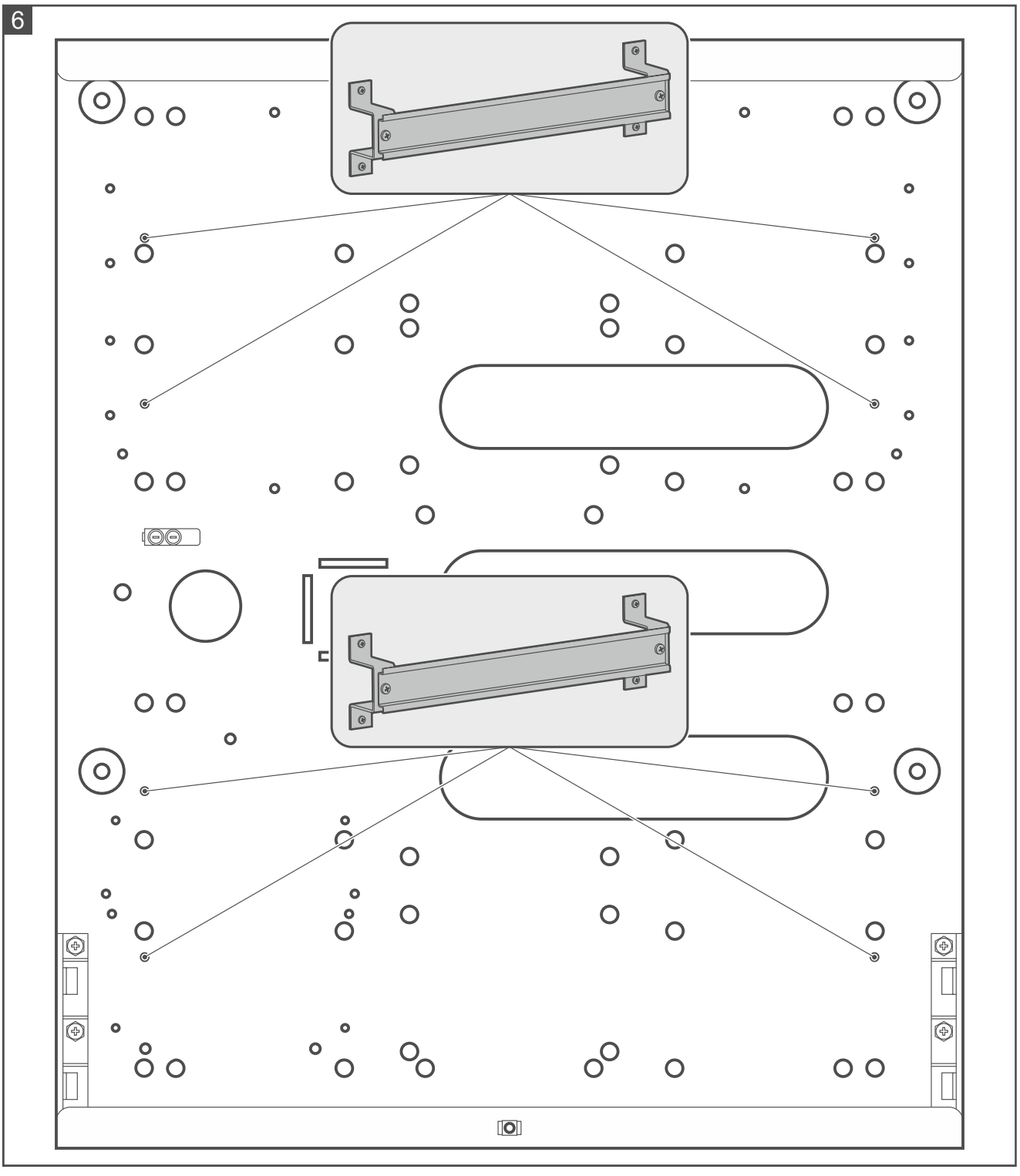

3.4 Installing the OMI-5 PI mounting inserts

Fig. 7 shows you where to install the inner insert, and Fig. 8 shows you how to install the outer insert.

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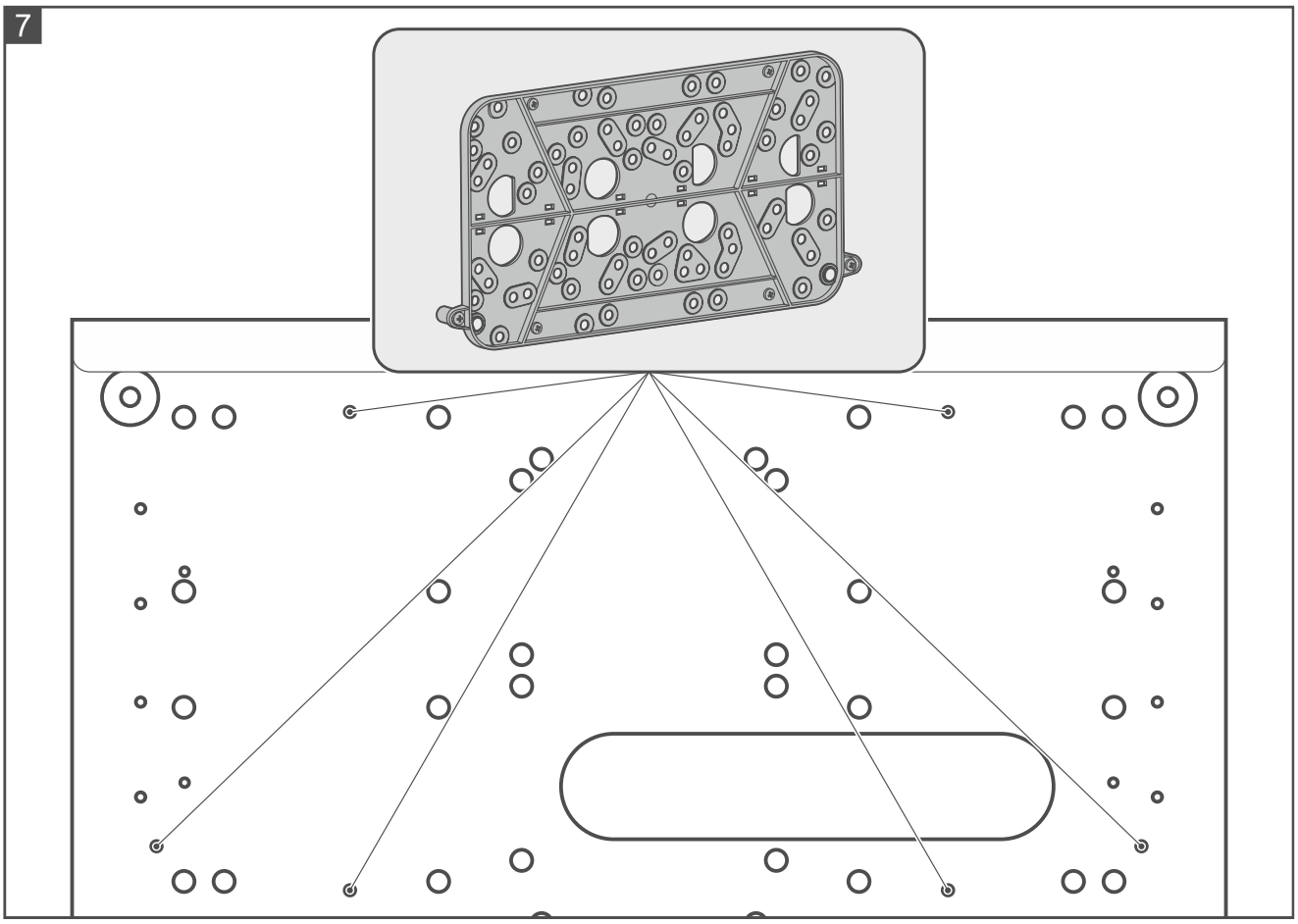

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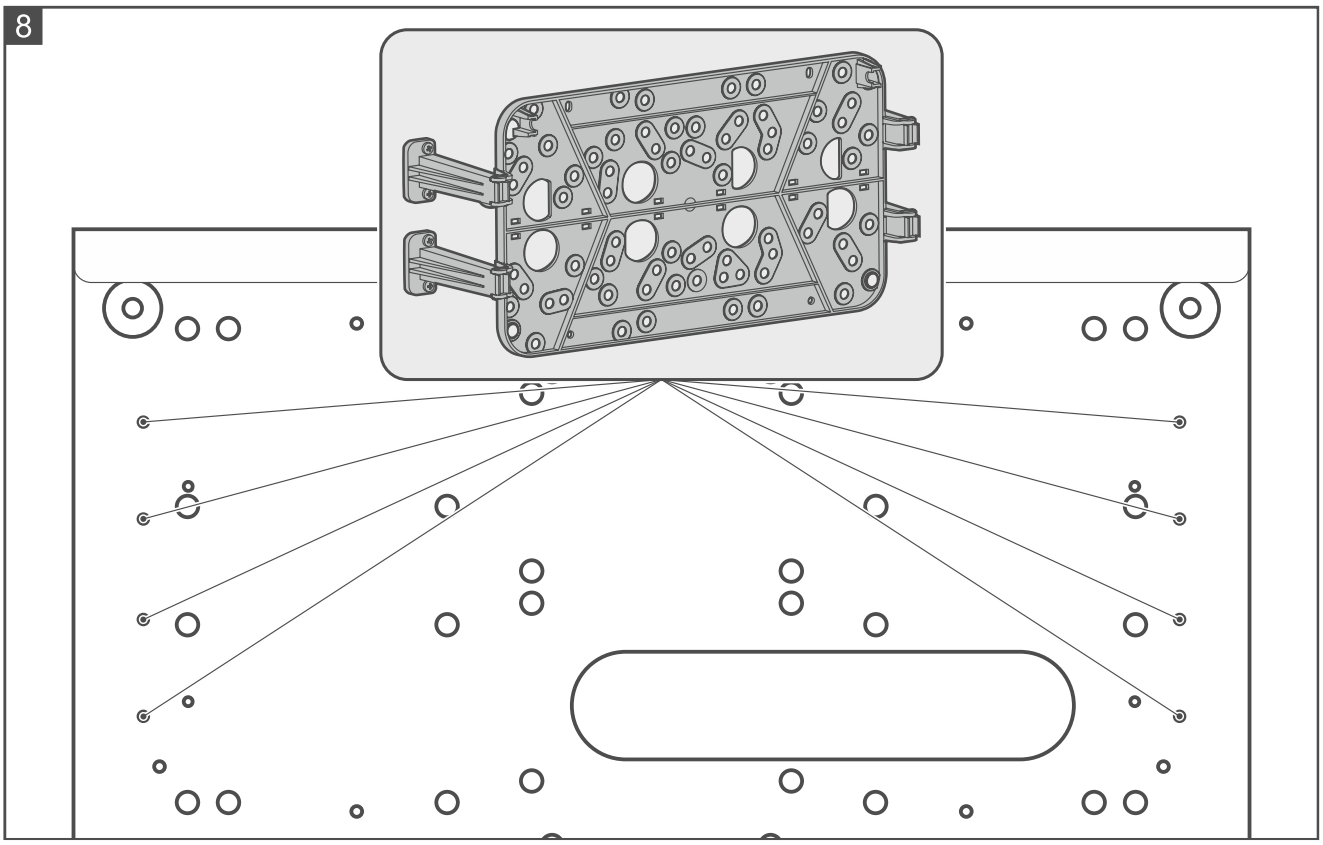

Description of mounting inserts

The mounting inserts allow you to install several devices, e.g. a control panel and expanders without power supply. Fastening of the outer insert allows you to tilt it outward after releasing catches on its left or right side. This provides access to the devices placed on the inner insert.

In Fig. 9, the holes for pins used to fasten devices are marked with numbers. See Table 1 for devices that can be mounted on pins.

Pin hole number	Device mounted on pins
1	CA-64 P, INTEGRA 64, INTEGRA 64 Plus , INTEGRA 128, INTEGRA 128 Plus, INTEGRA 256 Plus
2	CA-10 P, CA-64 PTSA, INTEGRA 32, STAM-1 PTSA, VERSA IP, VERSA Plus*
3	APS-30, CA-6 P, CA-64 OPS, CA-64 PP, INTEGRA 24
4	ACCO-KP-PS, ACX-201, CA-5
6	CA-4V1
7	CA-10 E, MST-1, ZB-2
8	ETHM-A, CA-64 E, CA-64 SM, GPRS-A*, GPRS-A LTE*, GPRS-T1*, GPRS-T2*, GPRS-T4*, INT-ADR, INT-AV, INT-E, INT-FI, INT-GSM*, INT-GSM LTE*, INT-KNX-2, INT-RS, INT-RS Plus, INT-VG, ISDN-SEP, MDM56 BO
9	CA-64 ADR, CA-64 EPS
10	CA-64 DR, CA-64 O, CA-64 SR, ETHM-1, ETHM-1 Plus, GSM-X, GSM-X LTE*, INT-O, INT-PP, INT-R, INT-VMG, MP-1, VIVER, VMG-16
11	GSM-4*, GSM-5*
12	ACCO-KP, GSM LT-1*, GSM LT-2*
14	ETHM-2, GPRS-T6*, VERSA 5
15	ACCO-NT, ACCO-NT2, PERFECTA 16*, PERFECTA 32*, PERFECTA 32 LTE*, PERFECTA-IP 32, PERFECTA-T 32, VERSA 10
16	VERSA 15

Table 1. List of devices that can be mounted on the plastic mounting inserts as shown in Fig. 9 [* devices with GSM phone require antenna to be mounted on the outside of the enclosure, e.g. ANT-900/1800 antenna with magnetic holder].

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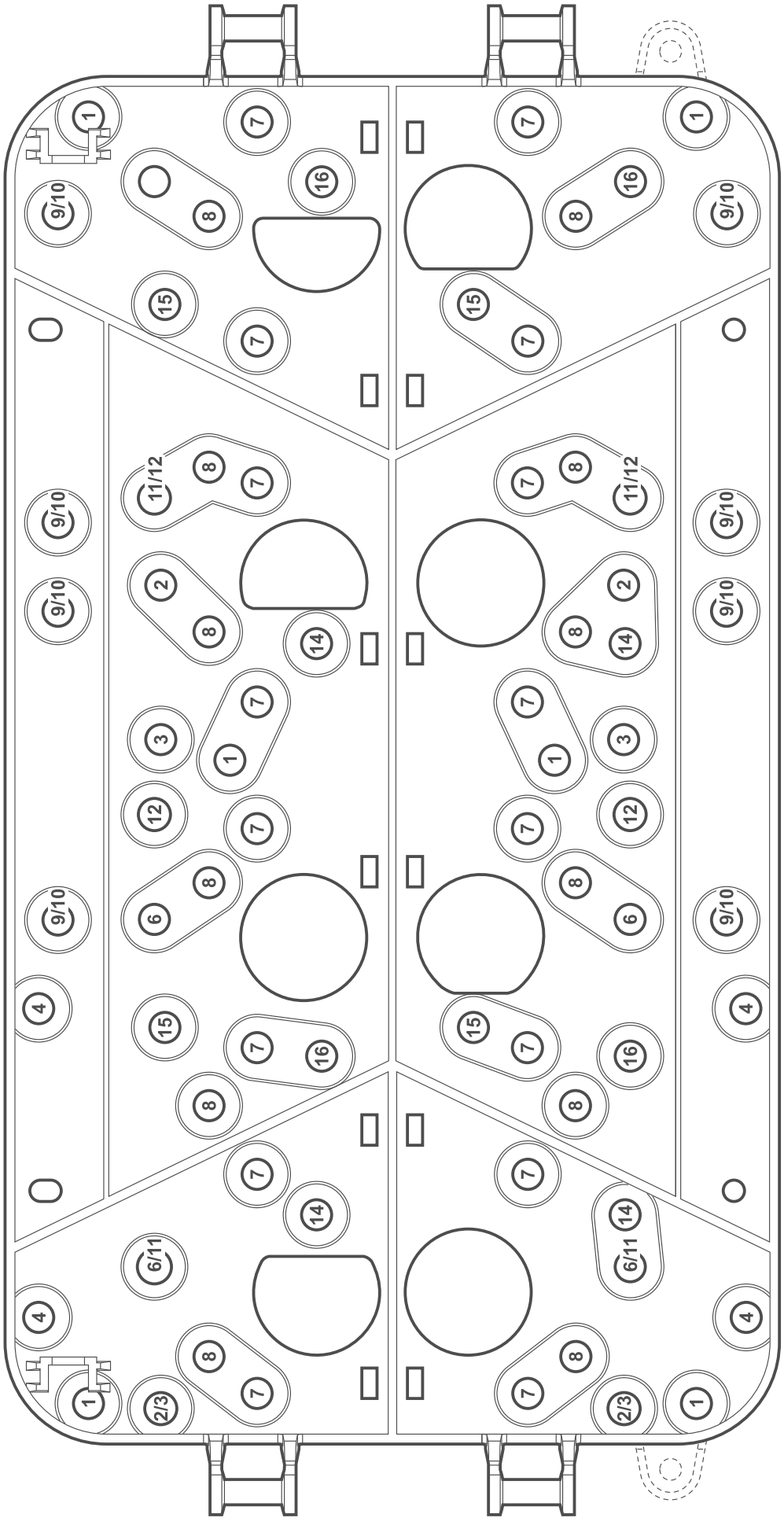
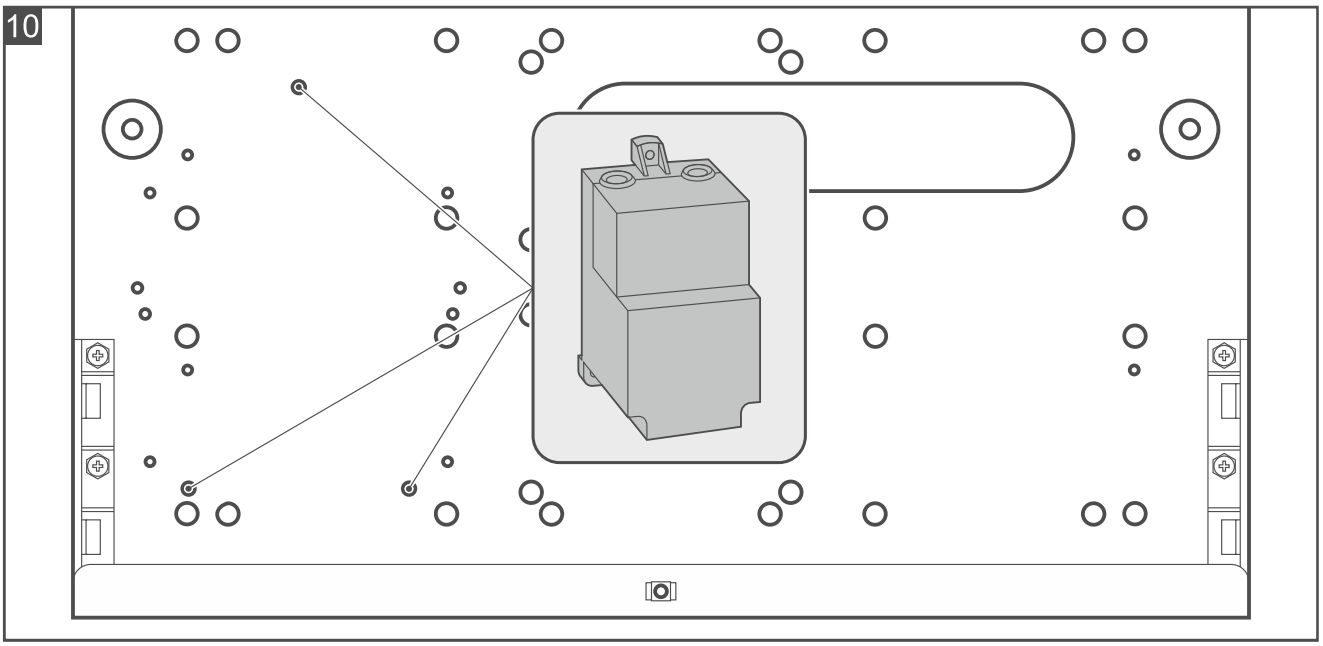


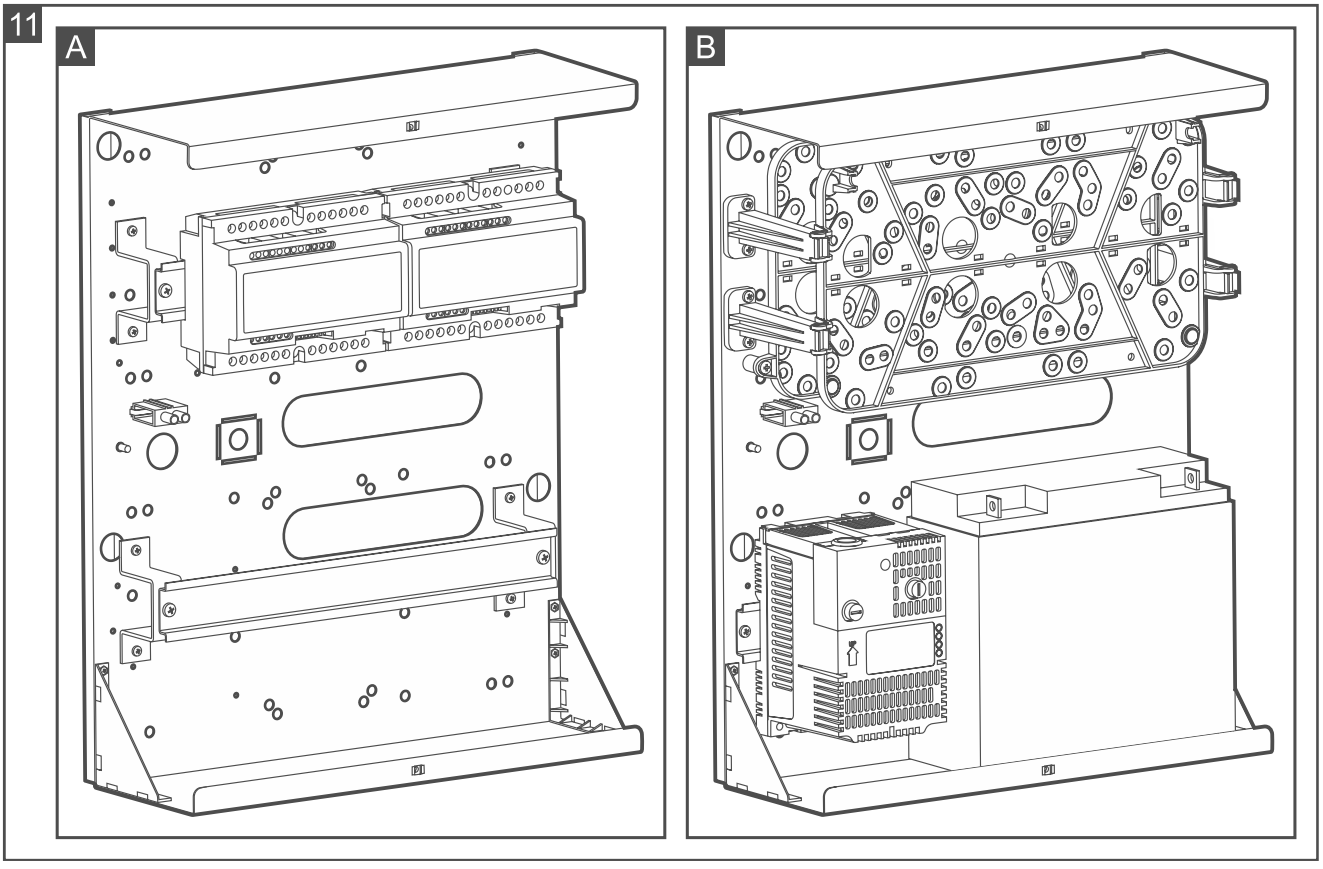
3.5 Installing the transformer

Fig. 10 shows you where to fasten the transformer (DIN rail for mounting the power supply is removed).



3.6 Examples of installing devices in the enclosure

Fig. 11-A shows the enclosure with two OMI-5 DIN rails. The rails can be used to mount the INT-ORS and INT-IORS expanders by SATEL in the enclosure. Fig. 11-B shows the enclosure with the OMI-5 PI inserts, power supply and battery installed.



4. Specifications

Dimensions ..... 325x406x128 mm
Weight ..... 4500 g