

Transfer or duplication of this document as well as the utilisation or communication of its content are not permitted unless express consent is granted. Violations give rise to claims for damages. All rights reserved in case of patent, utility model or design patent registrations. Tolerance specifications do not include clearances inherent in the design.

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Designeintragung vorbehalten. Bauartbedingtes Spiel ist in den Toleranzangaben nicht berücksichtigt.

A

B

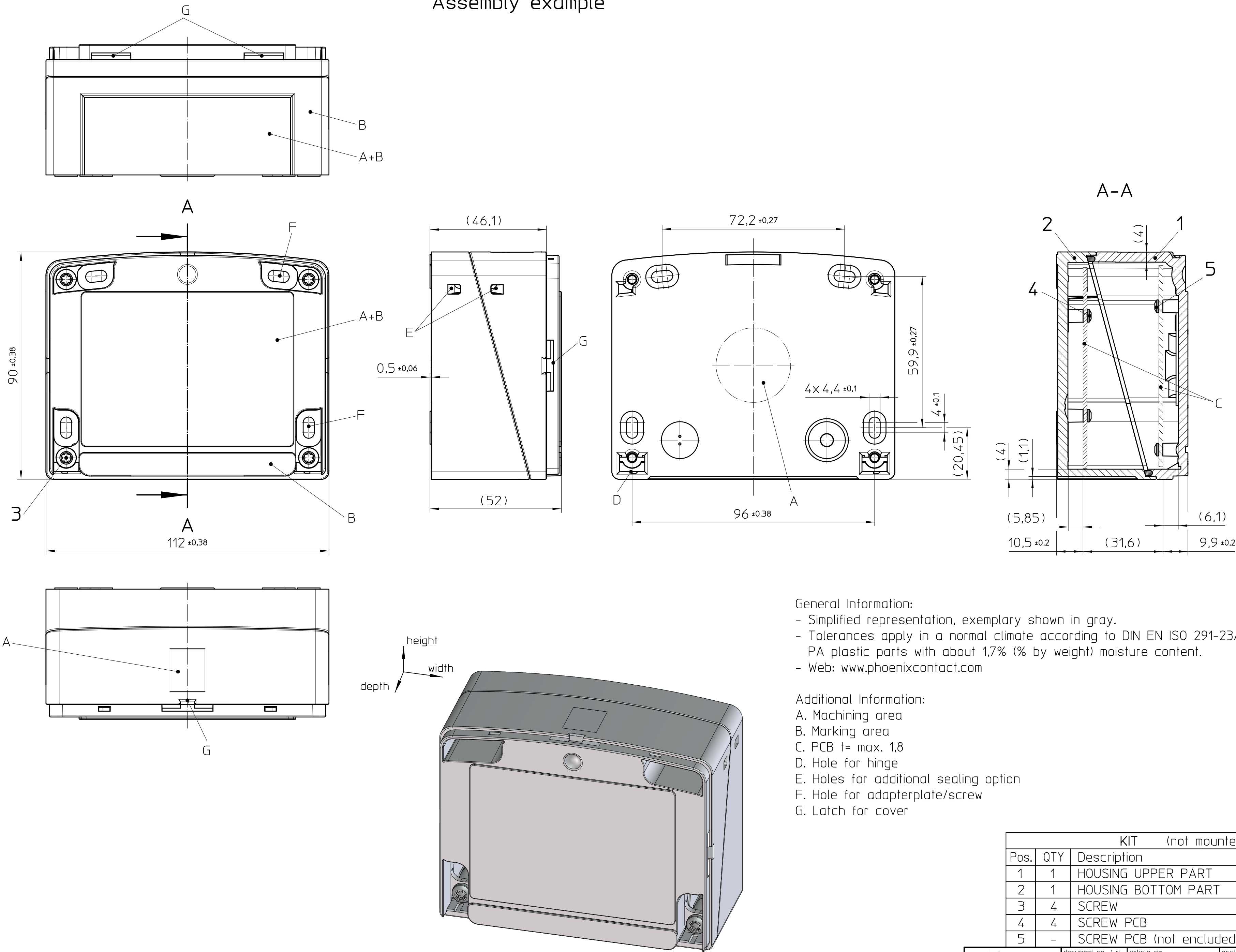
C

D

E

F

Assembly example



General Information:

- Simplified representation, exemplary shown in gray.
- Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2, PA plastic parts with about 1,7% (% by weight) moisture content.
- Web: [www.phoenixcontact.com](http://www.phoenixcontact.com)

Additional Information:

- A. Machining area
- B. Marking area
- C. PCB t= max. 1,8
- D. Hole for hinge
- E. Holes for additional sealing option
- F. Hole for adapterplate/screw
- G. Latch for cover

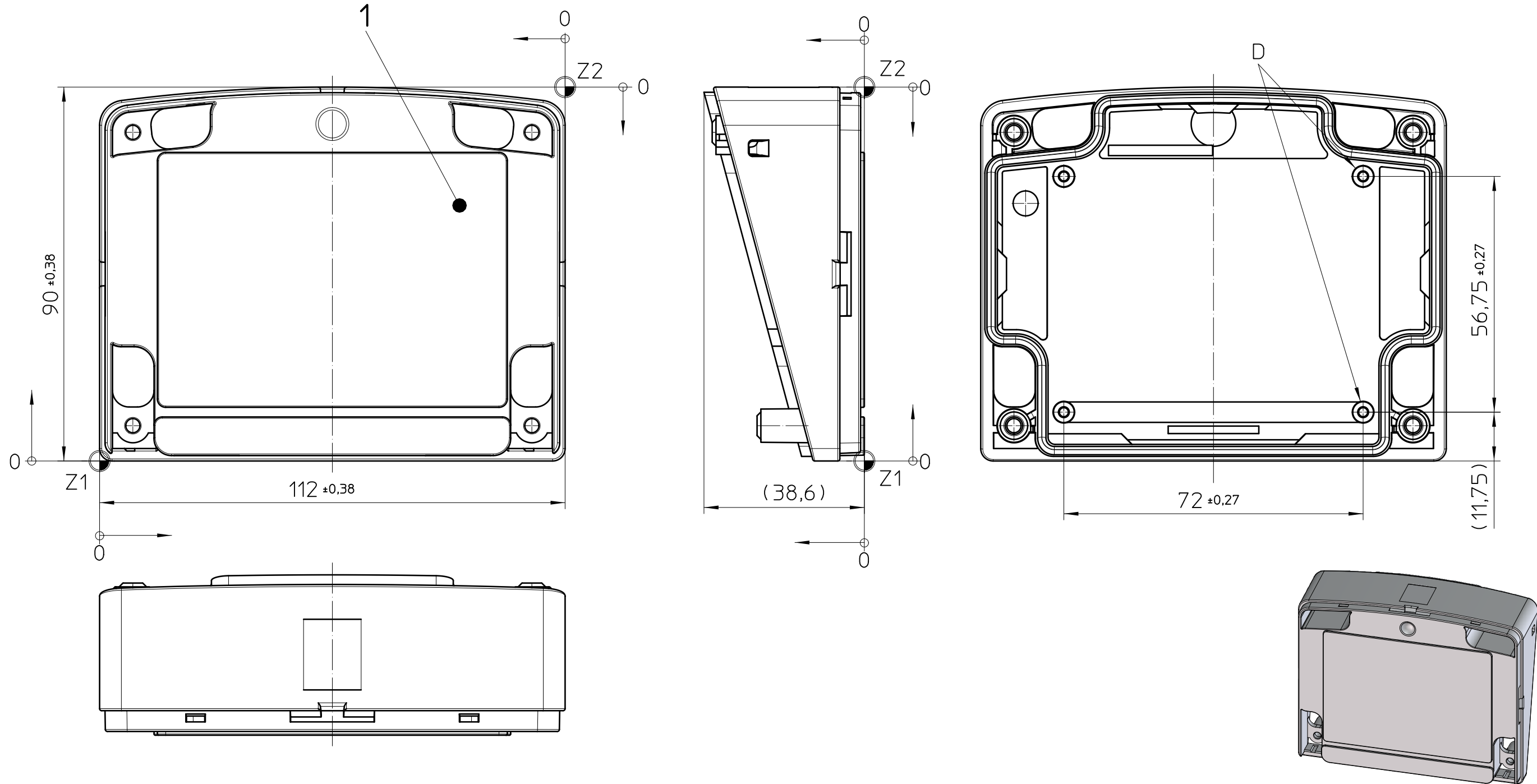
| KIT (not mounted) |     |                          |          |
|-------------------|-----|--------------------------|----------|
| Pos.              | QTY | Description              | Material |
| 1                 | 1   | HOUSING UPPER PART       | PA GF    |
| 2                 | 1   | HOUSING BOTTOM PART      | PA GF    |
| 3                 | 4   | SCREW                    | STL      |
| 4                 | 4   | SCREW PCB                | STL      |
| 5                 | -   | SCREW PCB (not included) | STL      |

|                                                                                              |                   |                          |             |                                                                                                                               |  |
|----------------------------------------------------------------------------------------------|-------------------|--------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|--|
|  DIN A2 | document-no. / ri | article-no.              | scale       | <div>- Simplified representation</div> <div>- Document excluded from change process</div> <div>- Linear dimensions [mm]</div> |  |
|                                                                                              | 01646693 / 02     | 1524044                  | 1:1         |                                                                                                                               |  |
|         | date              | document-type            | description |                                                                                                                               |  |
|                                                                                              | 14.04.2025        | TECDOC 2D_Productdrawing |             |                                                                                                                               |  |
| page 1                                                                                       | of 3              | MCS-112X90X52-IP6X-7035  |             |                                                                                                                               |  |

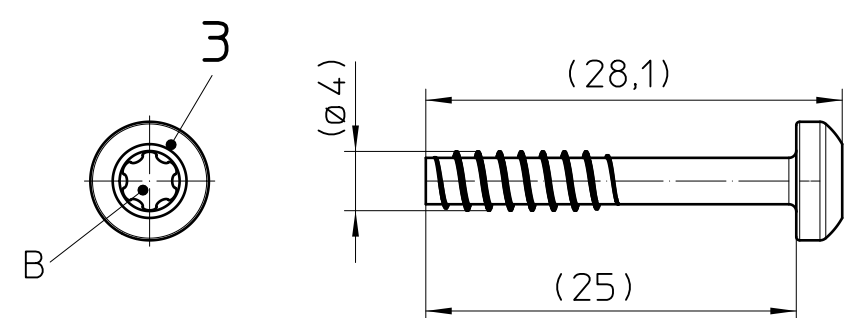
Transfer or duplication of this document as well as the utilisation or communication of its content are not permitted unless express consent is granted. Violations give rise to claims for damages. All rights reserved in case of patent, utility model or design patent registrations. Tolerance specifications do not include clearances inherent in the design.

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadensersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Designeintragung vorbehalten. Bauartbedingtes Spiel ist in den Toleranzangaben nicht berücksichtigt.

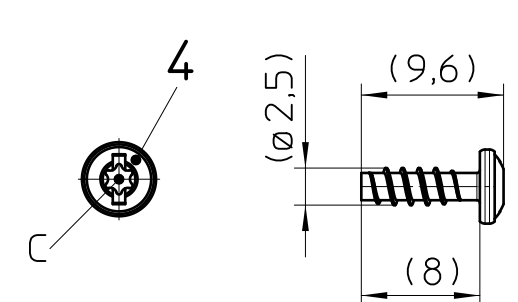
HOUSING UPPER PART



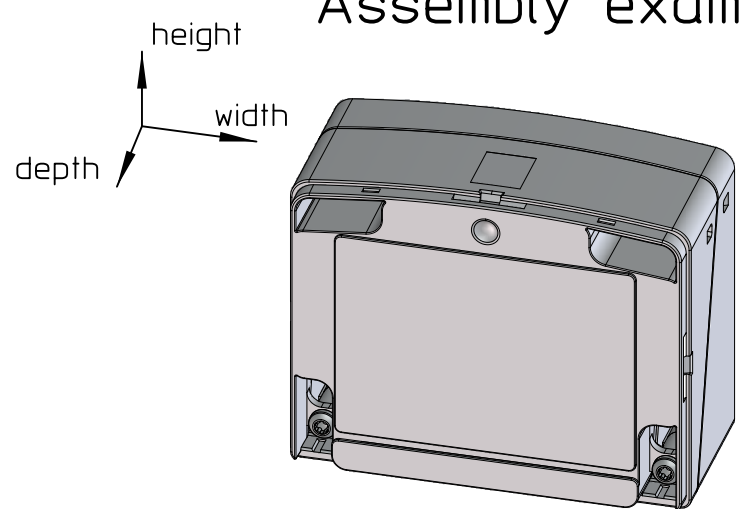
SCREW 2:1



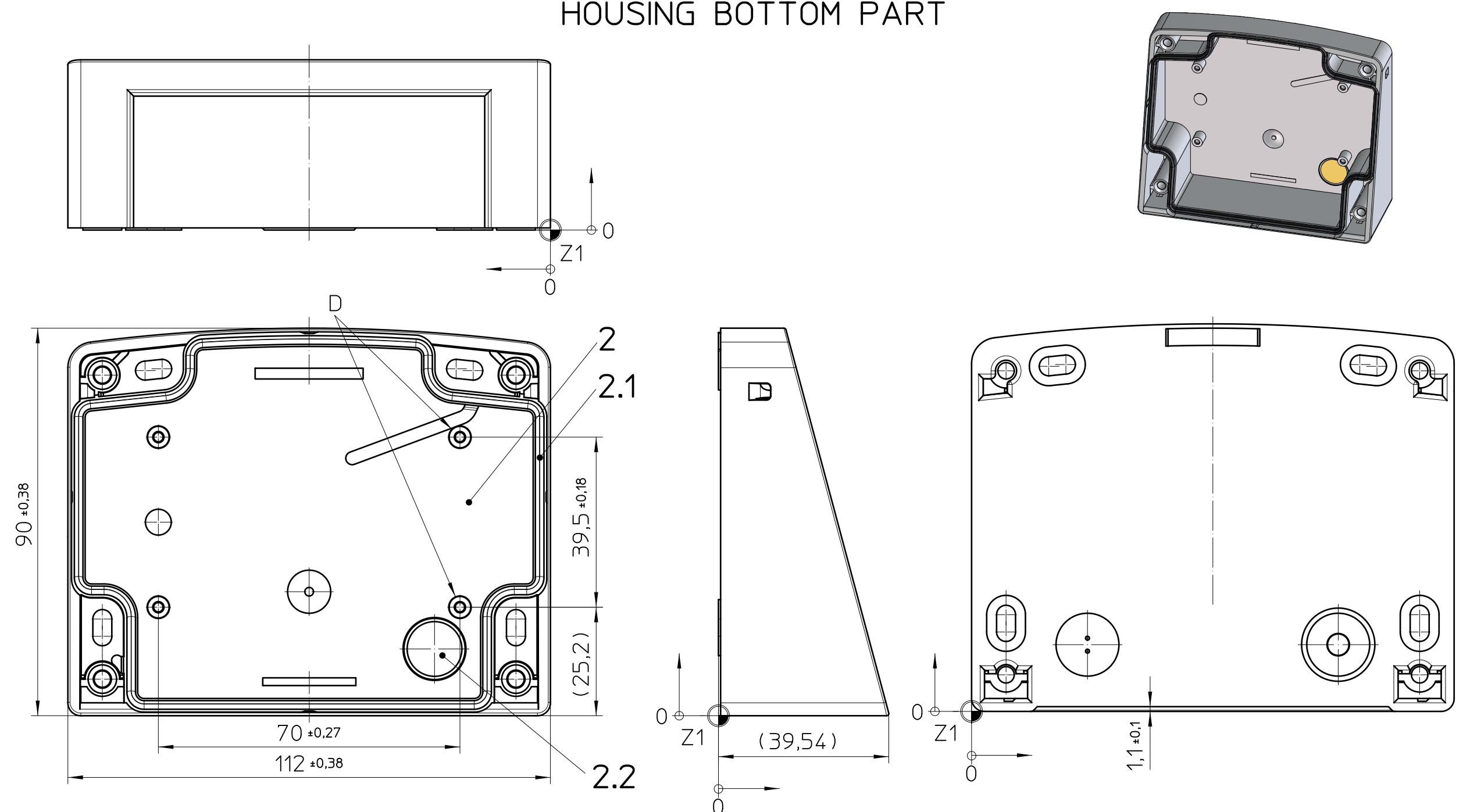
SCREW PCB 2:1



Assembly example



HOUSING BOTTOM PART



- General Information:
- Simplified representation, exemplary shown in gray.
  - Tolerances apply in a normal climate according to DIN EN ISO 291-23/50-2, PA plastic parts with about 1,7% (% by weight) moisture content.
  - Workpiece zero point for mechanical processing
  - Tolerances for mechanical processing are ISO 2768-mK
  - Tolerances for printing DIN ISO 2768-m
  - Machining radii min. R1, further on request
  - Web: [www.phoenixcontact.com](http://www.phoenixcontact.com)

- Additional Information:
- A. Z1/Z2 workpiece zero point for mechanical processing
  - B. Torx T20 drive (ISO 10664)
  - C. Torx T7 drive (ISO 10664)
  - D. Screw dome for PCB mounting

| KIT (not mounted) |     |                     |          |
|-------------------|-----|---------------------|----------|
| Pos.              | QTY | Description         | Material |
| 1                 | 1   | HOUSING UPPER PART  | PA GF    |
| 2                 | 1   | HOUSING BOTTOM PART | PA GF    |
| 2.1               | 1   | SEALING             | TPV      |
| 2.2               | 1   | VENT                | -        |
| 3                 | 4   | SCREW               | STL      |
| 4                 | 4   | SCREW PCB           | STL      |

|                                                                                       |        |                         |                          |       |                                                                                                                                                              |
|---------------------------------------------------------------------------------------|--------|-------------------------|--------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | DIN A2 | document-no. / r        | article-no.              | scale | <ul style="list-style-type: none"><li>- Simplified representation</li><li>- Document excluded from change process</li><li>- Linear dimensions [mm]</li></ul> |
|                                                                                       |        | 01646693 / 02           | 1524044                  | 1:1   |                                                                                                                                                              |
|  |        | date                    | document-type            |       |                                                                                                                                                              |
|                                                                                       |        | 14.04.2025              | TECDOC 2D_Productdrawing |       |                                                                                                                                                              |
|                                                                                       |        | description             |                          |       |                                                                                                                                                              |
| page 2 of 3                                                                           |        | MCS-112X90X52-IP6X-7035 |                          |       |                                                                                                                                                              |

Marking and machining area

A

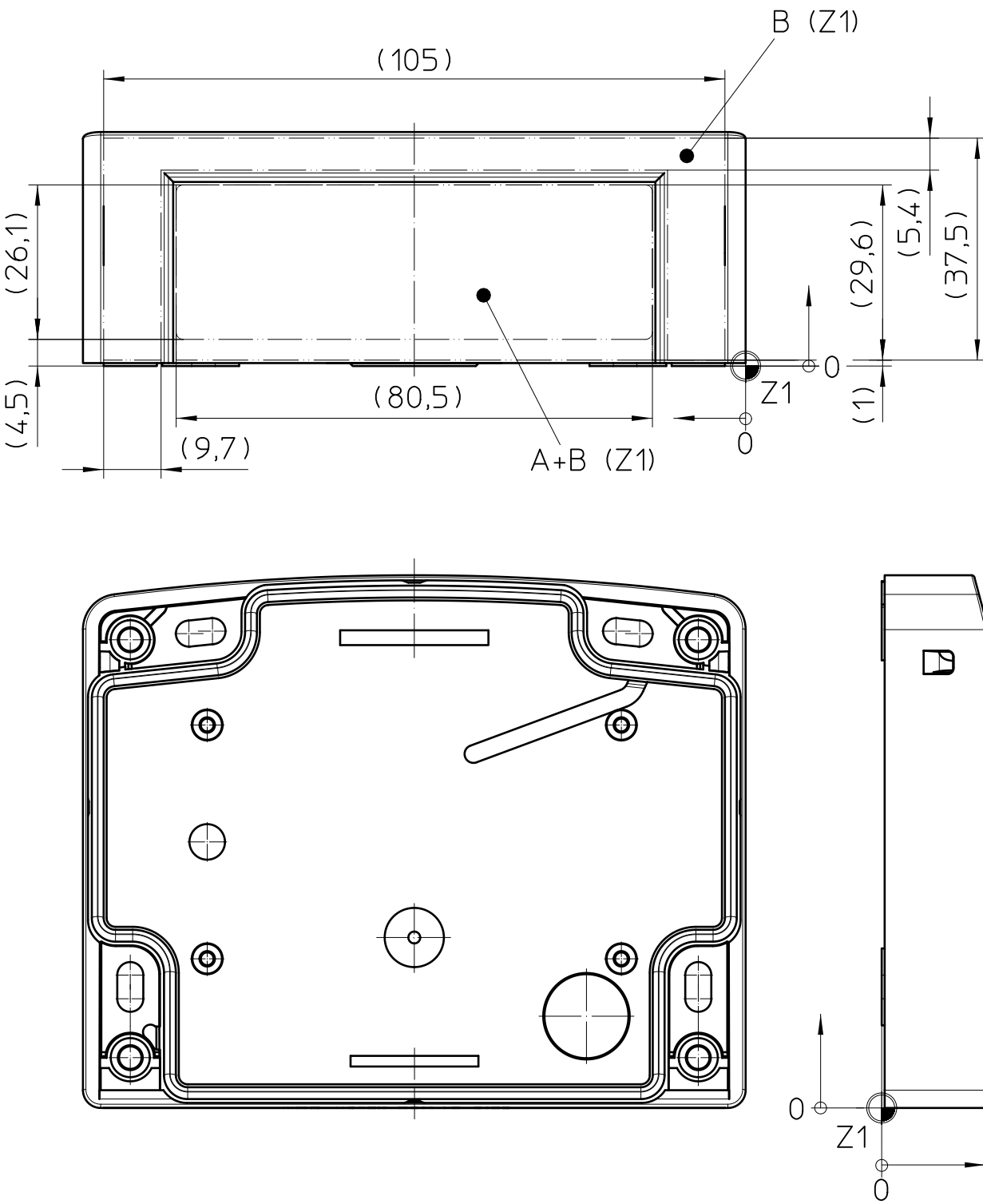
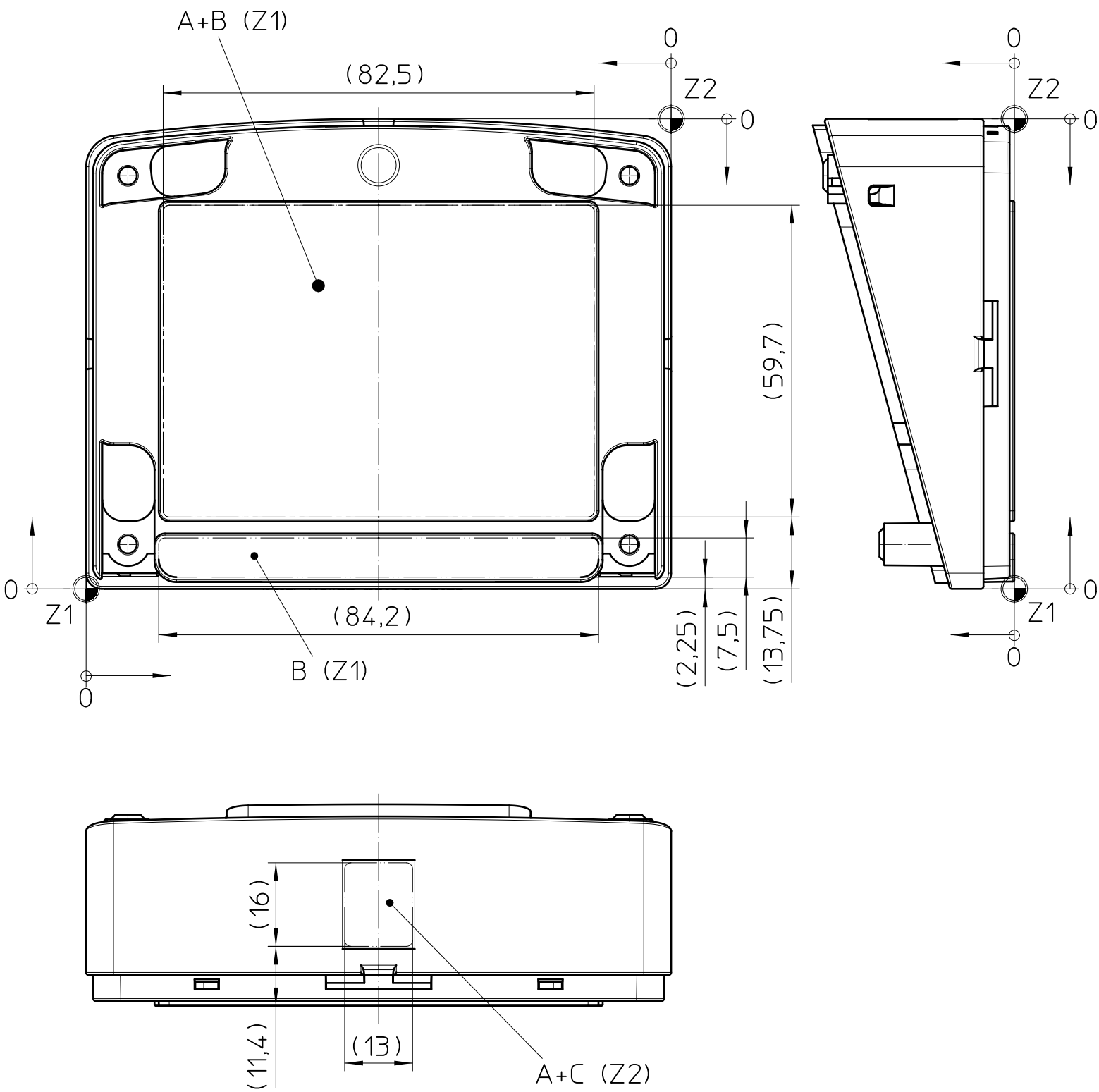
B

Transfer or duplication of this document as well as the utilisation or communication of its content are not permitted unless express consent is granted. Violations give rise to claims for damages. All rights reserved in case of patent, utility model or design patent registrations. Tolerance specifications do not include clearances inherent in the design.

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Designeintragung vorbehalten. Bauartbedingtes Spiel ist in den Toleranzangaben nicht berücksichtigt.

HOUSING UPPER PART

HOUSING BOTTOM PART



General Information:

- Workpiece zero point for mechanical processing
- Tolerances for mechanical processing are ISO 2768-mK
- Tolerances for printing DIN ISO 2768-m
- Machining radii min. R1, further on request
- Web: [www.phoenixcontact.com](http://www.phoenixcontact.com)

Additional Information:

A. Machining area. Please note, long cutout contours can affect stability and impermeability!

B. Marking area

C. Z1/Z2 workpiece zero point for mechanical processing

|                                                                                       |        |                         |                          |             |                                                                                                                               |  |
|---------------------------------------------------------------------------------------|--------|-------------------------|--------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|--|
|  | DIN A2 | document-no. / ri       | article-no.              | scale       | <div>- Simplified representation</div> <div>- Document excluded from change process</div> <div>- Linear dimensions [mm]</div> |  |
|                                                                                       |        | 01646693 / 02           | 1524044                  | 1:1         |                                                                                                                               |  |
|  |        | date                    | document-type            | description |                                                                                                                               |  |
|                                                                                       |        | 14.04.2025              | TECDOC 2D_Productdrawing |             |                                                                                                                               |  |
| page 3                                                                                | of 3   | MCS-112X90X52-IP6X-7035 |                          |             |                                                                                                                               |  |