



# Aluplan

This IP 65-tight profile enclosure adapts flexibly to your requirements

- 2 heights
- Individually adjustable length and width
- 16 standard sizes for each height ex warehouse
- Aluminium baseplates and top covers
- Good EMC characteristics
- Wide range of accessories



|                           |                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Colour</b>             | Aluplan 50: black, similar to RAL 9005; Aluplan 100: light grey, similar to RAL 7035; special colours on request                                                                         |
| <b>Protection class</b>   | IP 65/DIN EN 60529                                                                                                                                                                       |
| <b>Enclosure material</b> | Extruded profiles: Al Mg Si 0.5 powder-coated; corners: diecast zinc ZnAl 4 Cu 1, powder-coated; corner caps: PA-GF 15, corner seal TPV/TPE; sponge rubber seal (EPDM) in profile groove |

The frame construction consisting of profiles and diecast corners permits the use of different constructions. The profiles are pre-fitted with sponge cord seals, and pre-formed seals provide ingress protection IP 65 for the diecast corners. The internal surfaces of the corner seals ensure that the mounting panels or PCBs can be fitted elastically into the profiles. PCB slots are fitted in the side profiles for threaded inserts, circuit boards and mounting panels. The outer surface is designed as an ergonomic handle surface. The front profile is smooth on the inner surface for fitting connectors, displays, etc. Circuit boards can be inserted

parallel to the profile in vertical grooves. The smooth outer surface is designed to hold operating and display units. As alternatives to the standard aluminium front panels, clear or red translucent plastic panels can be used, or a combination of a modified aluminium panel and membrane keypad. Separate profiles can be supplied up to a length of 4 m. Please note our special manufacturing information if you cut profiles or make your own front panels. We can supply special shielding on request to give extra-high EMC protection.



## Aluplan AP 5.... enclosure profile set



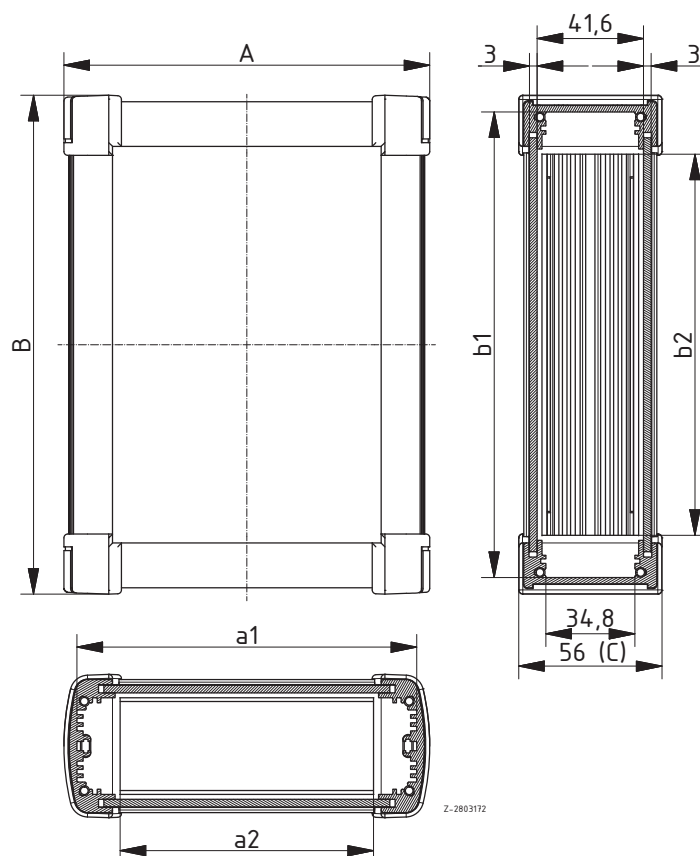
Aluplan AP 5.... enclosure profile set

| Model    | Order no. | A   | B   | C  | a1    | a2  | b1  | b2  |
|----------|-----------|-----|-----|----|-------|-----|-----|-----|
| AP 51010 | 64051010  | 143 | 145 | 56 | 132,8 | 99  | 132 | 99  |
| AP 51015 | 64051015  | 143 | 195 | 56 | 132,8 | 99  | 182 | 149 |
| AP 51020 | 64051020  | 143 | 245 | 56 | 132,8 | 99  | 232 | 199 |
| AP 51025 | 64051025  | 143 | 295 | 56 | 132,8 | 99  | 282 | 249 |
| AP 51510 | 64051510  | 193 | 145 | 56 | 182,8 | 149 | 132 | 99  |
| AP 51515 | 64051515  | 193 | 195 | 56 | 182,8 | 149 | 182 | 149 |
| AP 51520 | 64051520  | 193 | 245 | 56 | 182,8 | 149 | 232 | 199 |
| AP 51525 | 64051525  | 193 | 295 | 56 | 182,8 | 149 | 282 | 249 |
| AP 52010 | 64052010  | 243 | 145 | 56 | 232,8 | 199 | 132 | 99  |
| AP 52015 | 64052015  | 243 | 193 | 56 | 232,8 | 199 | 182 | 149 |
| AP 52020 | 64052020  | 243 | 245 | 56 | 232,8 | 199 | 232 | 199 |
| AP 52025 | 64052025  | 243 | 295 | 56 | 232,8 | 199 | 282 | 249 |
| AP 52510 | 64052510  | 293 | 145 | 56 | 282,8 | 249 | 132 | 99  |
| AP 52515 | 64052515  | 293 | 195 | 56 | 282,8 | 249 | 182 | 149 |
| AP 52520 | 64052520  | 293 | 245 | 56 | 282,8 | 249 | 232 | 199 |
| AP 52525 | 64052525  | 293 | 295 | 56 | 282,8 | 249 | 282 | 249 |

Scope of delivery: 2 front profiles including seal, 2 side profiles including seal, 4 diecast corners, 4 corner seals, 4 covers, 16 screws, 4 rubber feet. Please order front panels separately.

Accessories: See following pages

The smooth outer surface of the front profiles can be used to fit membranes or membrane keypads.



Z-2803172

# Aluplan AP 10... enclosure profile set

## Aluplan AP 10... enclosure profile set

| Model     | Order no. | A   | B   | C   | a1  | a2  | b1    | b2  |
|-----------|-----------|-----|-----|-----|-----|-----|-------|-----|
| AP 102020 | 64312020  | 278 | 278 | 100 | 268 | 199 | 266,4 | 199 |
| AP 102030 | 64312030  | 278 | 378 | 100 | 268 | 199 | 366,4 | 299 |
| AP 102040 | 64312040  | 278 | 478 | 100 | 268 | 199 | 466,4 | 399 |
| AP 102050 | 64312050  | 278 | 578 | 100 | 268 | 199 | 566,4 | 499 |
| AP 103020 | 64313020  | 378 | 278 | 100 | 368 | 299 | 266,4 | 199 |
| AP 103030 | 64313030  | 378 | 378 | 100 | 368 | 299 | 366,4 | 299 |
| AP 103040 | 64313040  | 378 | 478 | 100 | 368 | 299 | 466,4 | 399 |
| AP 103050 | 64313050  | 378 | 578 | 100 | 368 | 299 | 566,4 | 499 |
| AP 104020 | 64314020  | 478 | 278 | 100 | 468 | 399 | 266,4 | 199 |
| AP 104030 | 64314030  | 478 | 378 | 100 | 468 | 399 | 366,4 | 299 |
| AP 104040 | 64314040  | 478 | 478 | 100 | 468 | 399 | 466,4 | 399 |
| AP 104050 | 64314050  | 478 | 578 | 100 | 468 | 399 | 566,4 | 499 |
| AP 105020 | 64315020  | 578 | 278 | 100 | 568 | 499 | 266,4 | 199 |
| AP 105030 | 64315030  | 578 | 378 | 100 | 568 | 499 | 366,4 | 299 |
| AP 105040 | 64315040  | 578 | 478 | 100 | 568 | 499 | 466,4 | 399 |
| AP 105050 | 64315050  | 578 | 578 | 100 | 568 | 499 | 566,4 | 499 |

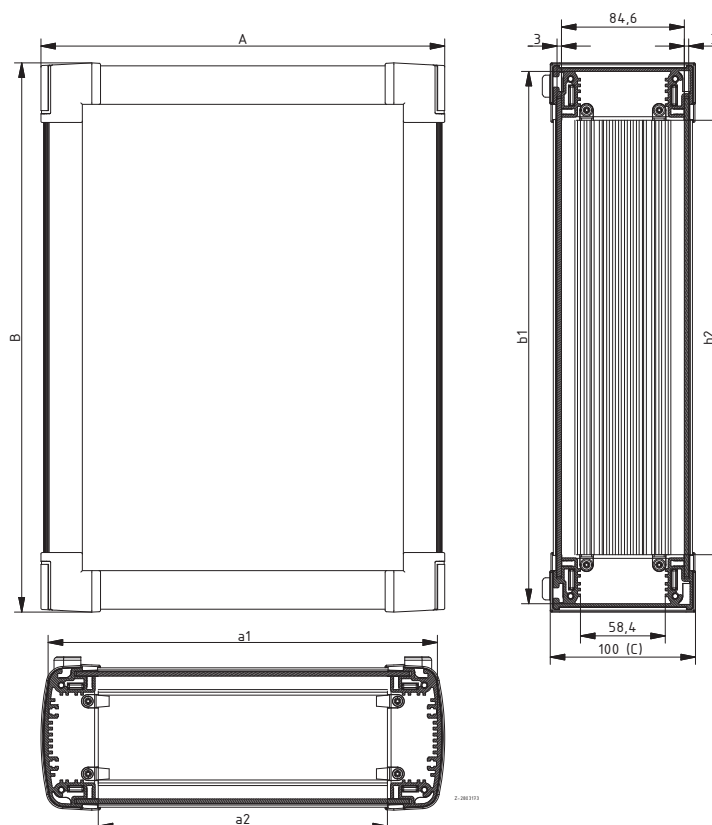
Scope of delivery: 2 front profiles including seal, 2 side profiles including seal, 4 diecast corners, 4 corner seals, 4 covers, 16 screws, 4 rubber feet. Please order front panels separately.

Accessories: See following pages

The smooth outer surface of the front profiles can be used to fit membranes or membrane keypads.

The corner piece provides mounting space for various connectors behind the removable covers (IP 40).

Concealed blind holes are provided in the corner pieces so that the enclosure can be screwed to the wall.



## Aluplan AP 5 accessories



### Handle for AP 5...

| Model    | Order no. | Note                                   |
|----------|-----------|----------------------------------------|
| AP 10 HS | 64110010  | For side / front profile length 100 mm |
| AP 15 HS | 64110015  | For side / front profile length 150 mm |
| AP 20 HS | 64110020  | For side / front profile length 200 mm |
| AP 25 HS | 64110025  | For side / front profile length 250 mm |

Scope of delivery: Handle side parts, profile, seals, screws

Note: Processing of the profiles on request



### Wall brackets for AP 5...

| Model        | Order no. | Note                                          |
|--------------|-----------|-----------------------------------------------|
| AP 50000 WL  | 64115000  | For wall mounting parallel to the front panel |
| AP 50000 WLS | 64115010  | For wall mounting on side profile             |
| AP 50000 WLF | 64115020  | For wall mounting to the front profile        |

Scope of delivery: WL: 4 wall brackets, 4 covers; WLS / WLF: 2 wall brackets, screws

Note: Direct mounting on the AP 5... is possible; optional fitting of the AP 5000 WL wall bracket by means of a screw, Order no. 59006249 (scope of delivery: 1 piece)

AP 50000 WL



AP 50000 WLS



### Tip-up foot set for AP 50...

| Model   | Order no. |
|---------|-----------|
| AB 1230 | 39603000  |

Scope of delivery: Set-up foot set (2 fixed and 2 hinged feet), fitting screws.

Note: Processing of the front panels on request

# Aluplan AP 5 accessories

## Front panels for AP 5..., natural-coloured anodised aluminium

| Model        | Order no. | Note         |
|--------------|-----------|--------------|
| AP 01010 FA3 | 64101010  | For AP 51010 |
| AP 01015 FA3 | 64101015  | For AP 51015 |
| AP 01020 FA3 | 64101020  | For AP 51020 |
| AP 01025 FA3 | 64101025  | For AP 51025 |
| AP 01510 FA3 | 64101510  | For AP 51510 |
| AP 01515 FA3 | 64101515  | For AP 51515 |
| AP 01520 FA3 | 64101520  | For AP 51520 |
| AP 01525 FA3 | 64101525  | For AP 51525 |
| AP 02010 FA3 | 64102010  | For AP 52010 |
| AP 02015 FA3 | 64102015  | For AP 52015 |
| AP 02020 FA3 | 64102020  | For AP 52020 |
| AP 02025 FA3 | 64102025  | For AP 52025 |
| AP 02510 FA3 | 64102510  | For AP 52510 |
| AP 02515 FA3 | 64102515  | For AP 52515 |
| AP 02520 FA3 | 64102520  | For AP 52520 |
| AP 02525 FA3 | 64102525  | For AP 52525 |

Scope of delivery: 1 front panel



## Aluplan AP 10 accessories



### Wall profile for AP 10...

| Model  | Order no. | Note                                                       |
|--------|-----------|------------------------------------------------------------|
| APW 20 | 64350020  | For enclosures with front / side profile length 200-300 mm |
| APW 30 | 64350030  | For enclosures with front / side profile length 300-400 mm |
| APW 40 | 64350040  | For enclosures with front / side profile length 400-500 mm |
| APW 50 | 64350050  | For enclosures with front / side profile length 500-600 mm |

Scope of delivery: 1 wall profile

Note: Direct suspension possible by means of the front and side profile



### Plug-in front panel for AP 10..., natural-coloured anodised aluminium, IP 65

| Model         | Order no. | Note          |
|---------------|-----------|---------------|
| AP 102020 FA3 | 64322020  | For AP 102020 |
| AP 102030 FA3 | 64322030  | For AP 102030 |
| AP 102040 FA3 | 64322040  | For AP 102040 |
| AP 102050 FA3 | 64322050  | For AP 102050 |
| AP 103020 FA3 | 64323020  | For AP 103020 |
| AP 103030 FA3 | 64323030  | For AP 103030 |
| AP 103040 FA3 | 64323040  | For AP 103040 |
| AP 103050 FA3 | 64323050  | For AP 103050 |
| AP 104020 FA3 | 64324020  | For AP 104020 |
| AP 104030 FA3 | 64324030  | For AP 104030 |
| AP 104040 FA3 | 64324040  | For AP 104040 |
| AP 104050 FA3 | 64324050  | For AP 104050 |
| AP 105020 FA3 | 64325020  | For AP 105020 |
| AP 105030 FA3 | 64325030  | For AP 105030 |
| AP 105040 FA3 | 64325040  | For AP 105040 |
| AP 105050 FA3 | 64325050  | For AP 105050 |

Scope of delivery: 1 front panel



### Screw-on front panel for AP 10..., natural-coloured anodised aluminium, IP 40

| Model          | Order no. | Note          |
|----------------|-----------|---------------|
| AP 102020 FAS3 | 64332020  | For AP 102020 |
| AP 102030 FAS3 | 64332030  | For AP 102030 |
| AP 102040 FAS3 | 64332040  | For AP 102040 |
| AP 102050 FAS3 | 64332050  | For AP 102050 |
| AP 103020 FAS3 | 64333020  | For AP 103020 |
| AP 103030 FAS3 | 64333030  | For AP 103030 |
| AP 103040 FAS3 | 64333040  | For AP 103040 |
| AP 103050 FAS3 | 64333050  | For AP 103050 |
| AP 104020 FAS3 | 64334020  | For AP 104020 |
| AP 104030 FAS3 | 64334030  | For AP 104030 |
| AP 104040 FAS3 | 64334040  | For AP 104040 |
| AP 104050 FAS3 | 64334050  | For AP 104050 |
| AP 105020 FAS3 | 64335020  | For AP 105020 |
| AP 105030 FAS3 | 64335030  | For AP 105030 |
| AP 105040 FAS3 | 64335040  | For AP 105040 |
| AP 105050 FAS3 | 64335050  | For AP 105050 |

Scope of delivery: 1 front panel

# Aluplan AP 10 accessories

## Screw-on front panel for AP 10..., natural-coloured anodised aluminium, IP 65

| Model             | Order no. | Note          |
|-------------------|-----------|---------------|
| AP 102020 FAS3-IP | 64342020  | For AP 102020 |
| AP 102030 FAS3-IP | 64342030  | For AP 102030 |
| AP 102040 FAS3-IP | 64342040  | For AP 102040 |
| AP 102050 FAS3-IP | 64342050  | For AP 102050 |
| AP 103020 FAS3-IP | 64343020  | For AP 103020 |
| AP 103030 FAS3-IP | 64343030  | For AP 103030 |
| AP 103040 FAS3-IP | 64343040  | For AP 103040 |
| AP 103050 FAS3-IP | 64343050  | For AP 103050 |
| AP 104020 FAS3-IP | 64344020  | For AP 104020 |
| AP 104030 FAS3-IP | 64344030  | For AP 104030 |
| AP 104040 FAS3-IP | 64344040  | For AP 104040 |
| AP 104050 FAS3-IP | 64344050  | For AP 104050 |
| AP 105020 FAS3-IP | 64345020  | For AP 105020 |
| AP 105030 FAS3-IP | 64345030  | For AP 105030 |
| AP 105040 FAS3-IP | 64345040  | For AP 105040 |
| AP 105050 FAS3-IP | 64345050  | For AP 105050 |

Scope of delivery: 1 front panel incl. fitted flat seal



## Handle for AP 10...

| Model       | Order no. | Note                                                   |
|-------------|-----------|--------------------------------------------------------|
| AP 10-20 HS | 64360220  | For enclosures with front / side profile length 200 mm |
| AP 10-30 HS | 64360230  | For enclosures with front / side profile length 300 mm |
| AP 10-40 HS | 64360240  | For enclosures with front / side profile length 400 mm |
| AP 10-50 HS | 64360250  | For enclosures with front / side profile length 500 mm |

Scope of delivery: 1 handle, fixing material

Note: Processing of the profiles on request



## Unit foot for AP 10...

| Model    | Order no. |
|----------|-----------|
| AP 10 GF | 64360060  |

Scope of delivery: 4 unit feet

Note: The unit foot can be fitted directly into the existing wall fitting drill holes





## Aluplan AP 10 accessories



### Hinge set for AP 10...

| Model     | Order no. | Note                               |
|-----------|-----------|------------------------------------|
| AP 10 SC1 | 64360110  | Assembly on front on front profile |
| AP 10 SC2 | 64360120  | Assembly on rear on front profile  |
| AP 10 SC3 | 64360130  | Assembly on front on side profile  |
| AP 10 SC4 | 64360140  | Assembly on rear on side profile   |

Scope of delivery: 2 hinges, including fixing material

Note: Ingress protection IP 65 can only be achieved by screwing on front panel AP 10... FAS3-IP.  
Processing of the enclosure/front panel on request



### Lock set for AP 10...

| Model      | Order no. |
|------------|-----------|
| AP 10 SHLO | 64360050  |

Scope of delivery: Lock, 2 keys

Note: Processing of the profiles on request

### Assembly kit and seal set for AP 10...

| Model     | Order no. | Note                                                                                     |
|-----------|-----------|------------------------------------------------------------------------------------------|
| AP BFS 1  | 64360010  | Assembly kit for front panel AP 10... FAS (-IP)                                          |
| AP BFS 2  | 64360020  | Slide nuts M5 suitable for T-groove on front profile for screwing on various elements    |
| AP BFS 3  | 64360030  | Screws and dowels for fitting the enclosure or wall profile to the wall                  |
| AP FAS-IP | 64360040  | Sealing tape for special or customer's own front panel for subsequent upgrading to IP 65 |

Scope of delivery:

AP BFS 1: 20 M4x10 raised countersunk head screws

AP BFS 2: 20 M5 slide nuts

AP BFS 3: 20 wood screws 5x50 and 20 dowels Ø 8x40

AP FAS-IP: 10 m sealing tape, self-adhesive on one side only

# Application example

## of our comprehensive range of services for Aluplan



### **Mechanical processing:**

Cutting / sawing of variable-length profile cuts

Milling, drilling, countersinking, thread-cutting, punching

### **Mounting work:**

Mounting of threaded bushings, bolts and conductive seals

Mounting of membrane keypads

Insertion of supplied components

Wiring

### **Soldering and assembly work**

**This is only a small selection  
of our comprehensive range of services,  
with which we manufacture individual  
products of excellent quality.**

For more information, please see the introduction to the catalogue.