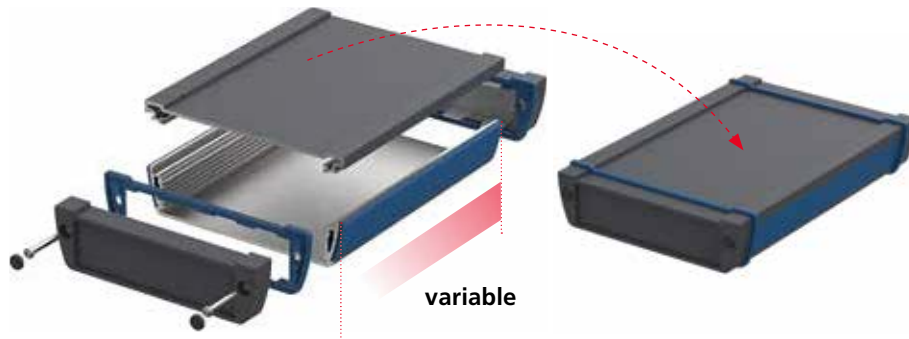# The product advantages

variable

The enclosure body in the "stylish" asymmetric design consists of a powder-coated aluminium profile and can be designed in length and colour to match the application.

Examples of use

ASP | **ASPH** | **ASPU**

The system groove integrated in the profile allows the mounting of optional design and functional elements such as decor strips, wall fittings, tower and tip-up feet.
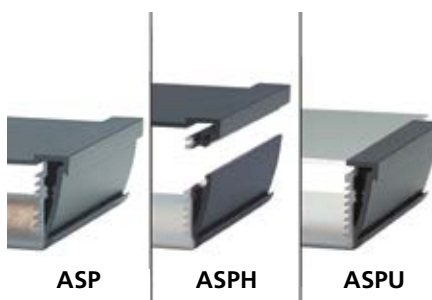
The profile variants – closed (ASP), horizontally divided (ASPH) or open on one side (ASPU) – provide a suitable enclosure solution for every installation situation.
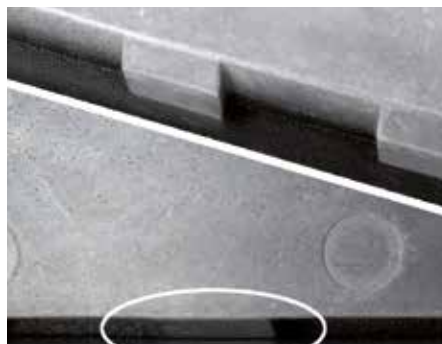
Contact surfaces which contact the lid to the profile guarantee good EMC protection. EMC seals are available if greater protection is required.

Different lid variants with and without a hinge, and coloured seals, ensure a high level of protection and give access to the interior if required.

Alustyle

BOPLA
A Phoenix Mecano Company

Colour:

⬤ Graphite grey, similar to RAL 7024

⬤ Silver, similar to RAL 9006

Special colours on request

Protection class:
ASP: up to IP66 / IP68 (1.2 m - 2 h) / DIN EN 60529
when using ASD
ASPH: IP65 / DIN EN 60529
ASPU: IP40 / DIN EN 60529

Material:

Extruded profiles: Al Mg Si 0,5 powder coated
Die-cast lid: zinc alloy Z410 / aluminium
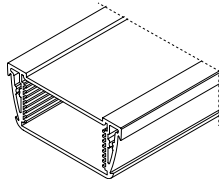GD Al Si 12 (ASD 1540 / 1835), powder coated
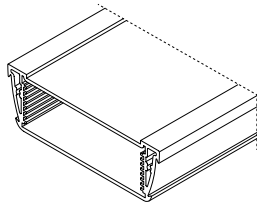Seal: TPE

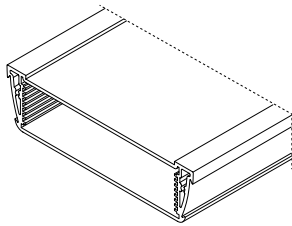For details see technical information.

Profile
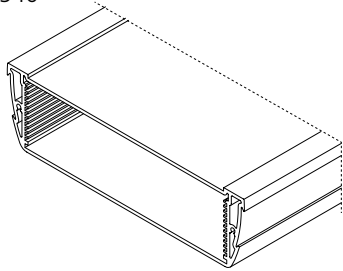
Profile cross-sections

ASP…830

ASP…1030
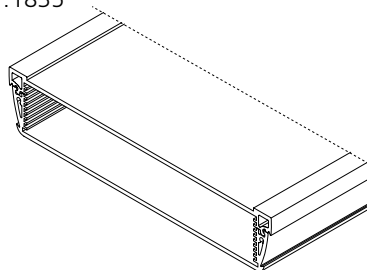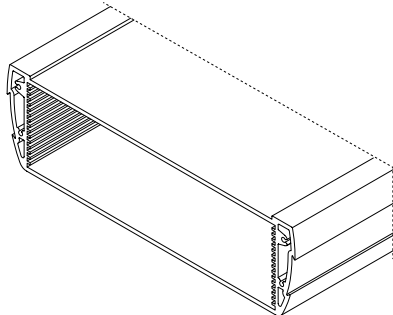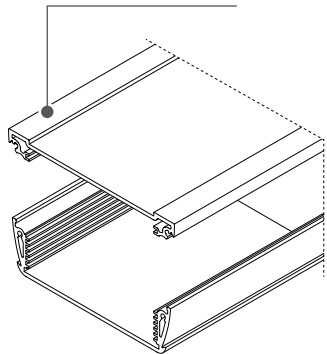
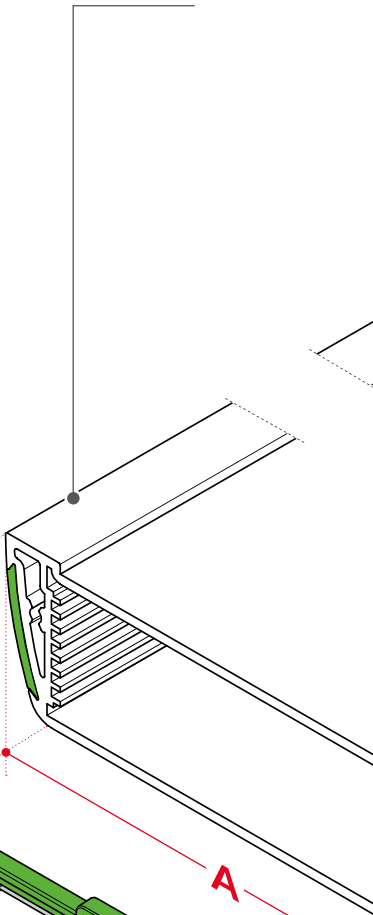ASP…1230

ASP…1540

ASP…1835

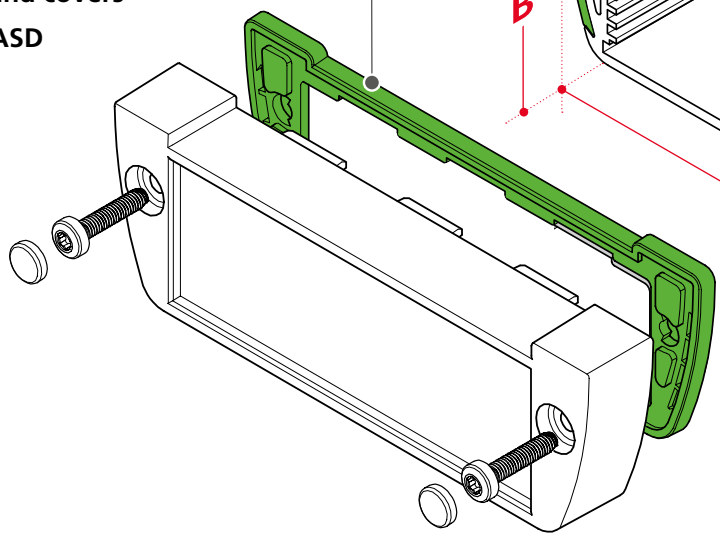ASP…1850

Enclosure versions

ASPH
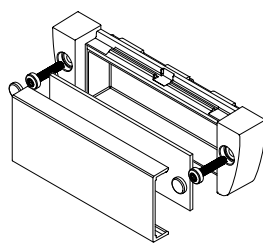(horizontally divided)
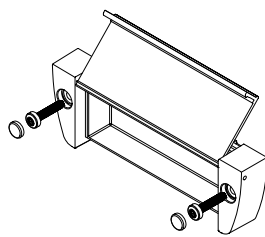
ASP
(closed)

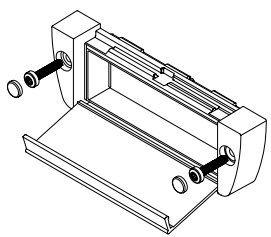**Design seals**

End covers
ASD
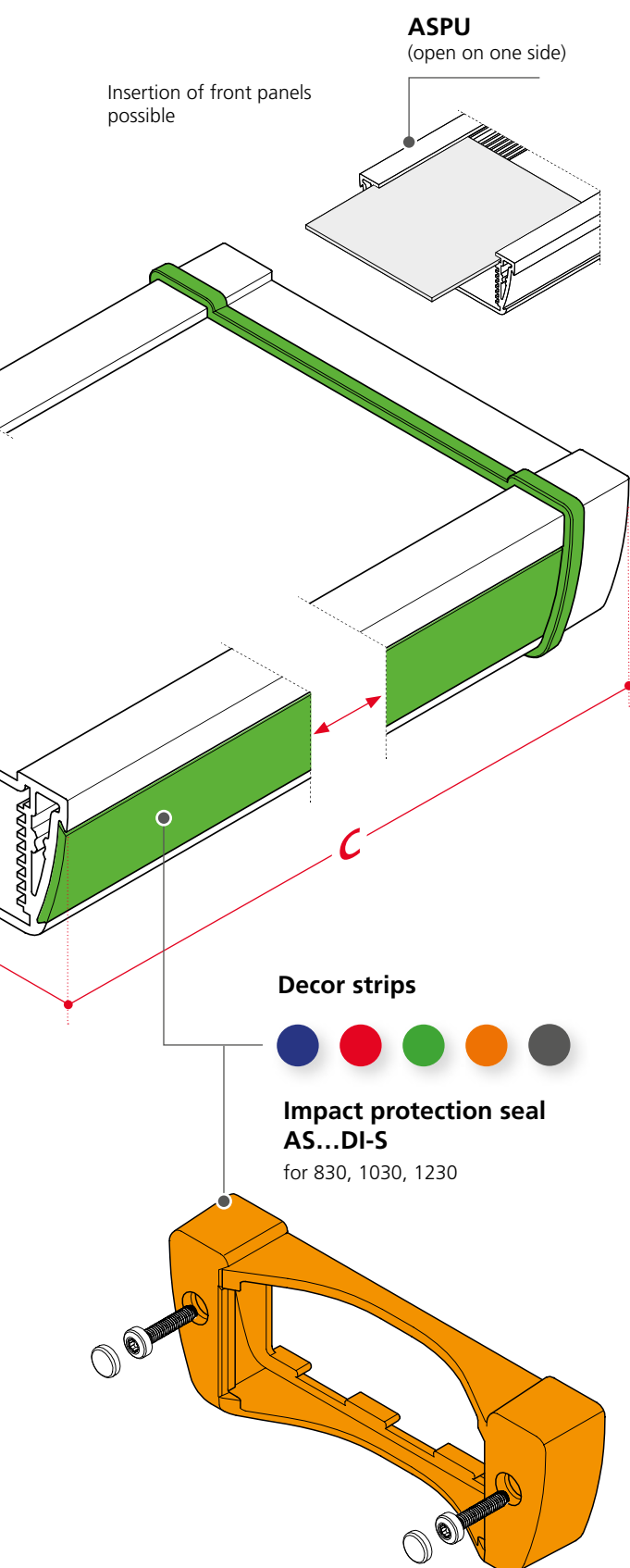
B

A

Lid variants

ASM-AL **ASM-SAL 1** **ASM-SAL 2**

Alustyle

ASPU
(open on one side)

Insertion of front panels possible

C

Decor strips

Impact protection seal AS…DI-S
for 830, 1030, 1230

Dimensions

Model	A	B	C
ASP…800	74	32.8	*
ASP…1030	98.5	32.8	*
ASP…1230	121	32.8	*
ASP…1540	154	44	*
ASP…1835	181.7	36.6	*
ASP…1850	187	54.6	*

* C = Standard lengths: 100 / 150 / 200 / 1000
Individual profile lengths on request.

Profile cross-sections

Model	ASP	ABPH	ASPU
ASP…800	✓	✓	✓
ASP…1030	✓	✓	✓
ASP…1230	✓	✓	✓
ASP…1540	✓	✓	✓
ASP…1835		✓	
ASP…1850	✓	✓	✓

Lid variants

Model	ASD	ASM	ASM SAL
ASP…800	✓	✓	✓
ASP…1030	✓	✓	✓
ASP…1230	✓	✓	✓
ASP…1540	✓		
ASP…1835	✓		
ASP…1850	✓		

Accessories

Wall bracket, coloured covers

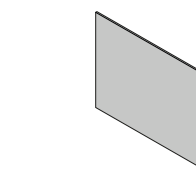Wall brackets

Universal wall fitting
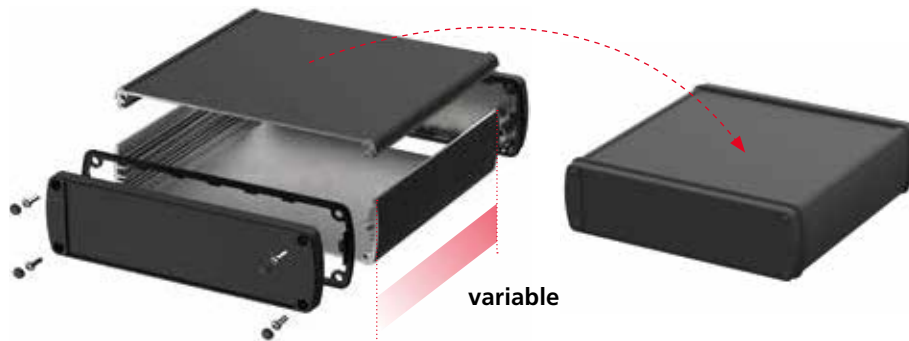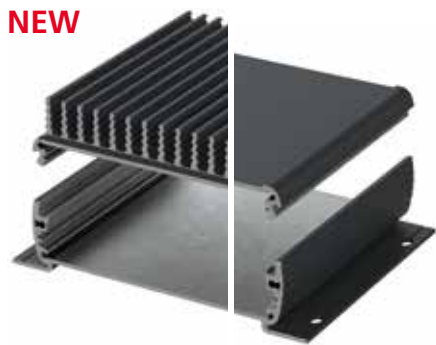
Tower feet

Tip-up feet

Battery compartments

Front panels in different versions

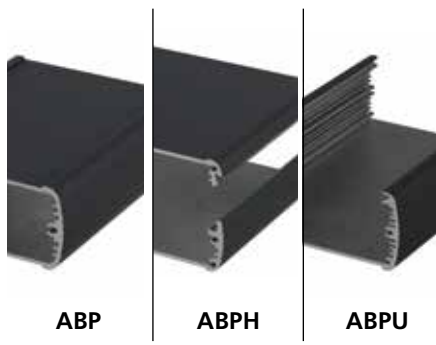Profile

The product advantages

variable

The enclosure body consists of a powder-coated aluminium profile and can be designed in length and colour to match the application.

NEW

As an option, heat sink fins (ABPH-K) and wall bracket profiles ensure reliable heat dissipation and sturdy wall mounting.

| **ABP** | **ABPH** | **ABPU** |

The profile variants – closed (ABP), horizontally divided (ABPH) or open on one side (ABPU) – provide a suitable enclosure solution for every installation situation.

Good EMC protection by means of contact surfaces which connect the lid to the profile. Conductive EMC seals are available if greater protection is required.

Different lid variants with and without a hinge, and coloured seals, ensure a high level of protection and give access to the interior if required.

Quick-Finder:
www.bopla.de/84

#84

Examples of use

Alubos

Farbton:

⚫ Black, similar to RAL 9005

Special colours on request

Protection class:

ABP, ABPH: bis IP65 / DIN EN 60529
ABPU: IP40 / DIN EN 60529

Material:

Extruded profiles: Al Mg Si 0,5 powder coated
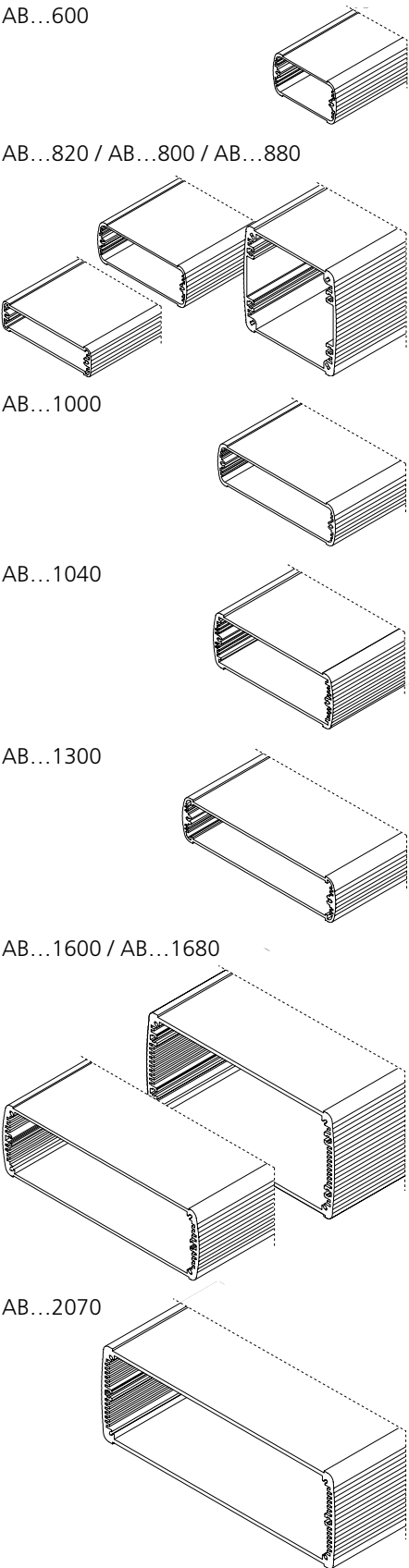Diecast lid: GD Al Si 12, powder coated
Seal: TPE

For details see technical information.

Profile

Profile cross-sections

AB…600

AB…820 / AB…800 / AB…880

AB…1000

AB…1040

AB…1300

AB…1600 / AB…1680

AB…2070

Enclosure versions

ABPH
(horizontally divided)

ABPH K
(horizontally divided, with heat sink)

ABP
(closed)

ABPH KWL
(horizontally divided,
with heat sink and
wall brackets)

Seals

End covers

B

A

Lid variants

ABD

ABM-AL / ABM-IR

ABM-AL-BE / ABM-IR-BE

AL= aluminium cap
IR = infrared-permissive plastic cap

BE = Variant with
battery compartment

Alubos

ABPU
(open on one side)

Insertion of front panels possible
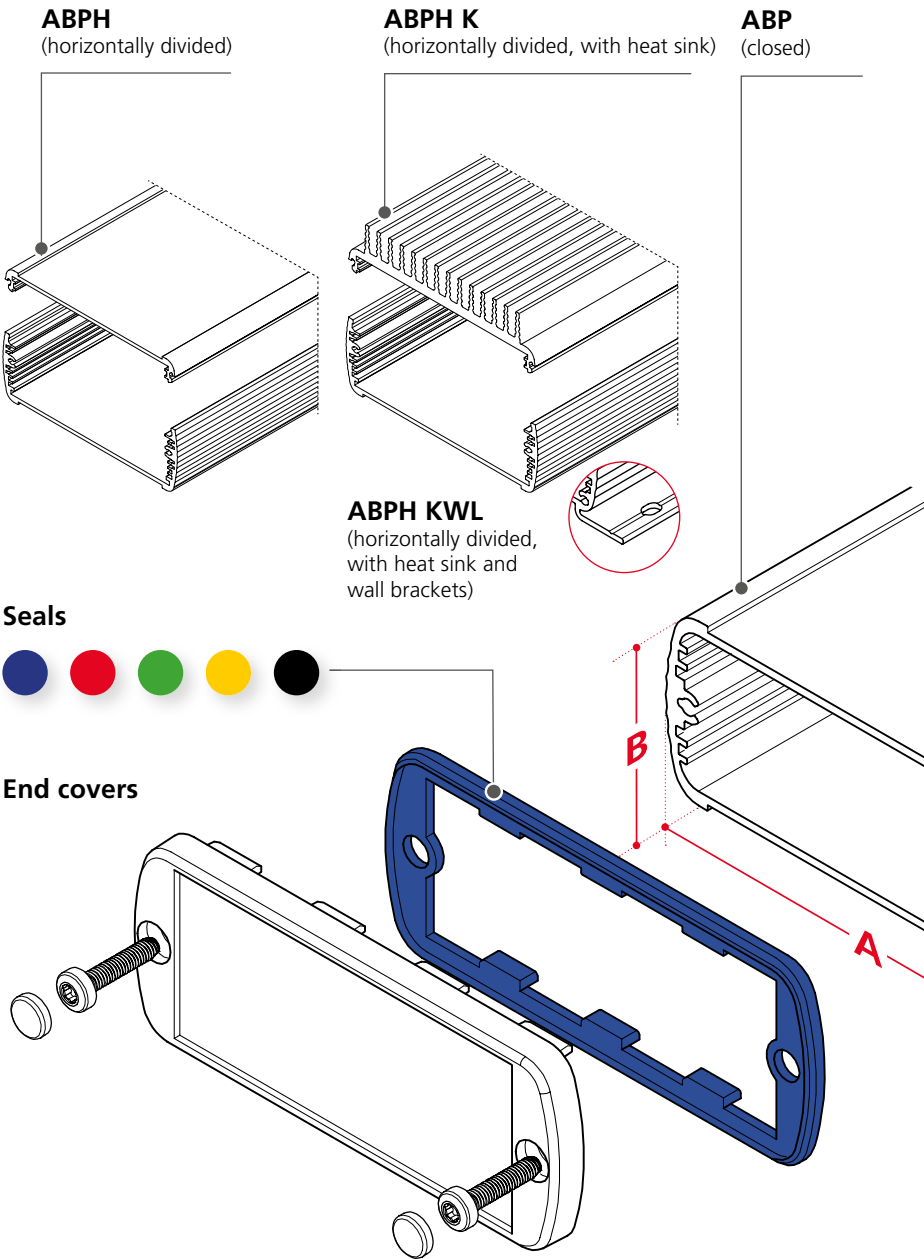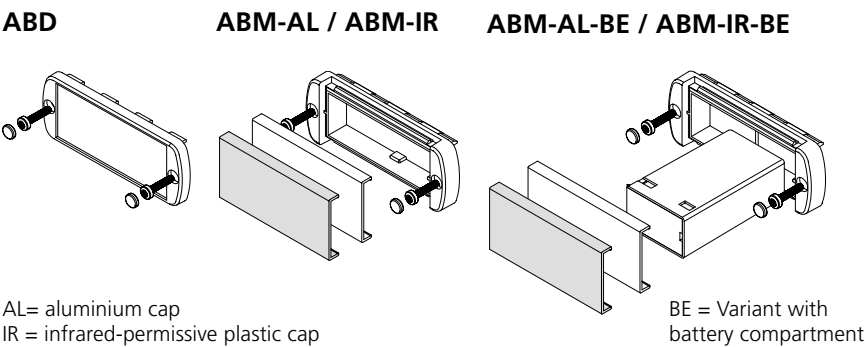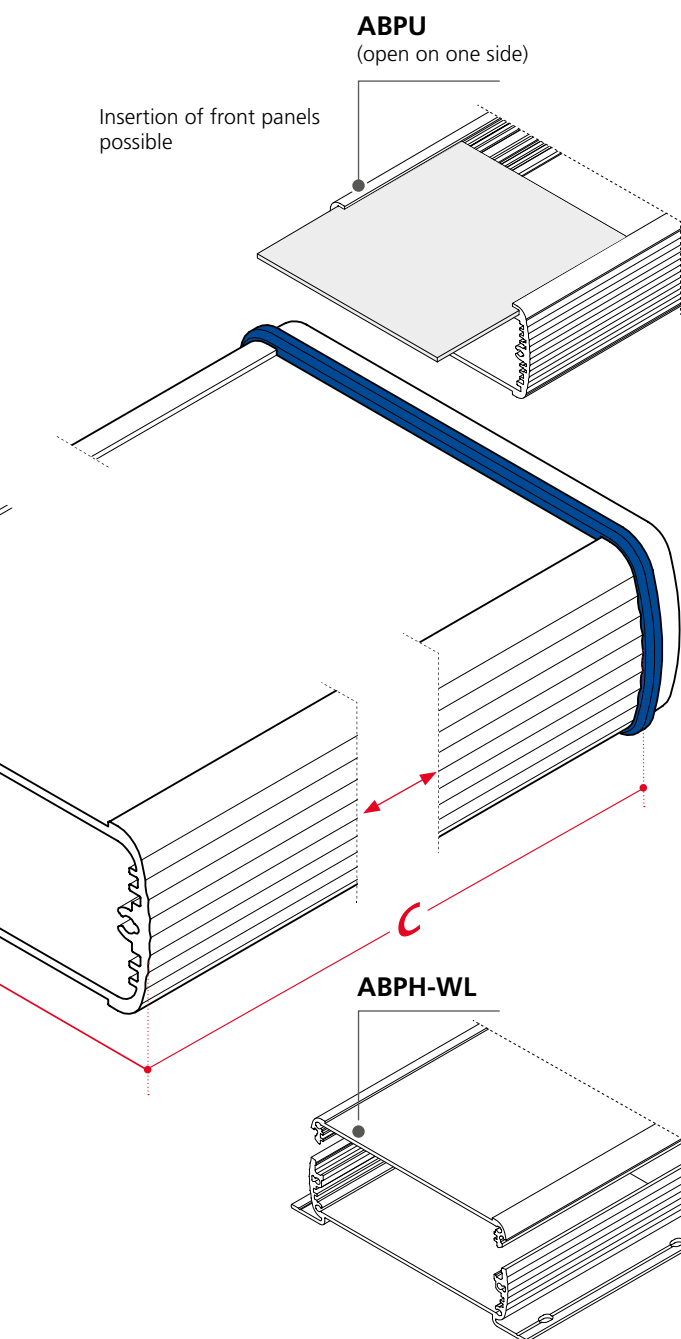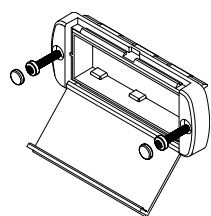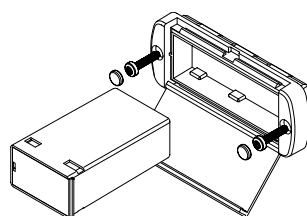
Dimensions

Model	A	B	C
ABP…600	57	32	*
ABP…800 / 820	82	32 / 22	*
ABP…880	84,5	82	*
ABP…1000	106	32	*
ABP…1040	108	42	*
ABP…1300	138	34	*
ABP…1600 / 1680	169	52 / 82	*
ABP…2070	210	74	*

* C = Standard lengths: 100 / 150 / 200 / 1000
individual profile lengths on request.

Profile variants

Model	ABP	ABPH WL	ABPH	ABPU	ABPH K (WL)
ABP…600	✓	✓	✓		✓
ABP…800	✓	✓	✓		
ABP…820	✓		✓	✓	
ABP…880	✓	✓			
ABP…1000	✓	✓	✓	✓	✓
ABP…1040	✓	✓	✓	✓	
ABP…1300	✓	✓	✓	✓	
ABP…1600	✓	✓	✓		✓
ABP…1680	✓	✓	✓	✓	
ABP…2070	✓				

C

ABPH-WL

Lid variants

Model	ABD	ABM-AL/-IR	ABM-AL/-IR +BE	ABM-SAL	ABM-SAL +BE
ABP…600	✓	✓	✓	✓	✓
ABP…800	✓	✓	✓	✓	✓
ABP…820 / 880	✓				
ABP…1000	✓	✓	✓	✓	✓
ABP…1040	✓			✓	
ABP…1300	✓			✓	
ABP…1600 / 1680	✓				
ABP…2070	✓				

Accessories

Wall brackets   Wall brackets, adjustable   Handle / Tip-up bow

ABM-SAL   **ABM-SAL-BE**

Variant with hinged lid

BE = Variant with battery compartment
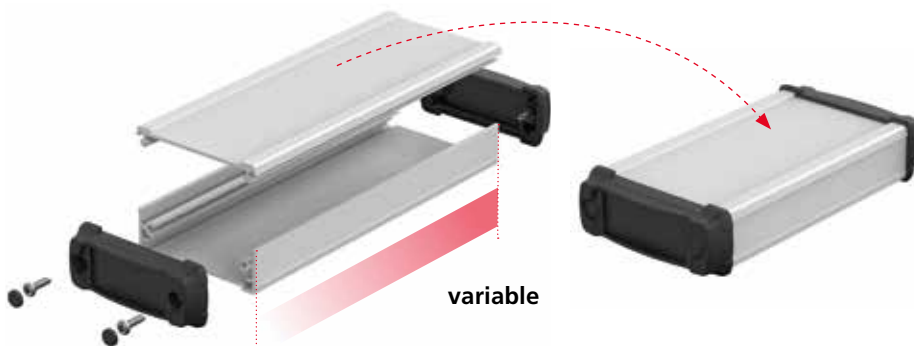
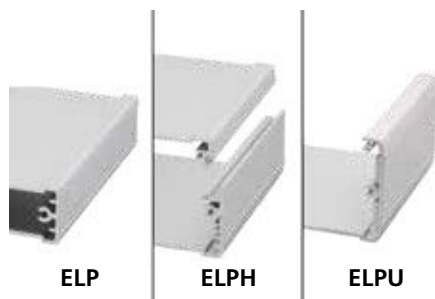Mounting clamps   Front panels in different versions
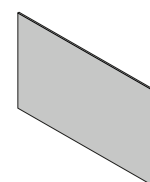
The product advantages

variable

The technically functional design of the enclosure body consists of anodised aluminium profile and, if required, can be adapted in any manner to the relevant application.

ELP   **ELPH**   **ELPU**

The variable lengths and the three profile variants closed (ELP), horizontally divided (ELPH) or open on one side (ELPU) provide the suitable enclosure for every application.

By using seal EL...DI, the protection class for profile variant ELPH can now be increased from IP40 to IP54. For ELPH, factory-executed mounting of an additional round cord seal is required.

Plastic lids in two standard colours (now also in black) are available as a profile end.

As an option, the lids have moulded-on brackets for wall fitting.

Quick-Finder:
www.bopla.de/83

Examples of use

BOS-Ecoline

BOPLA
A Phoenix Mecano Company

Colour:

Profile anodized in natural color

Plastic lid:

● Black, similar to RAL 9005

● Dust grey, similar to RAL 7037
and other special colours on request

Protection class:

IP40 / DIN EN 60529
ELP upgradeable to IP54 / DIN EN 60529 through optional seal
ELPH with IP54 / DIN EN 60529 on request

Material:

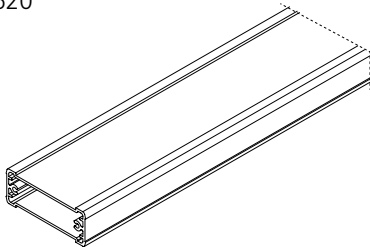Extruded profiles: Al Mg Si 0,5 anodized
Plastic lid: ABS
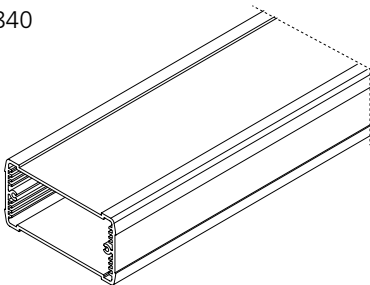Sealing material: EPDM

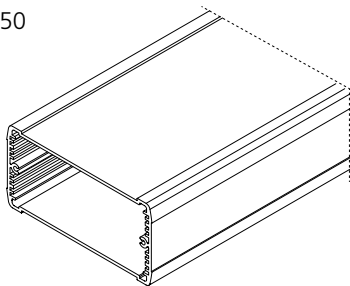For details see technical information.
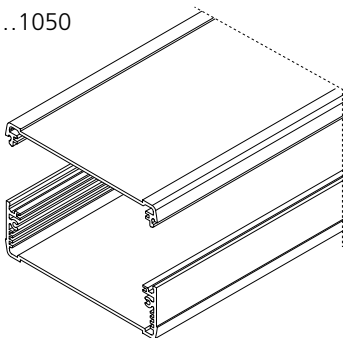
Profile

Profile cross-sections

ELP…620

ELP…840
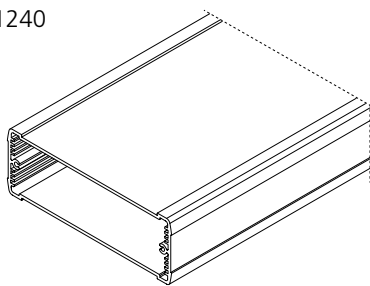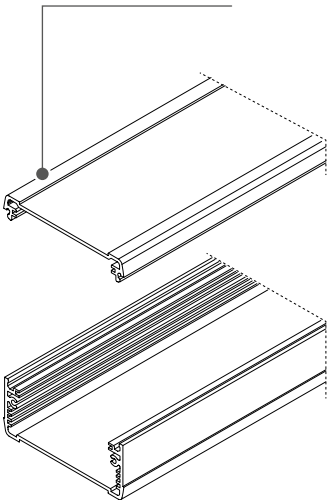
ELP…1050
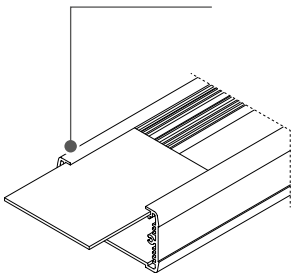
ELPH-EU…1050
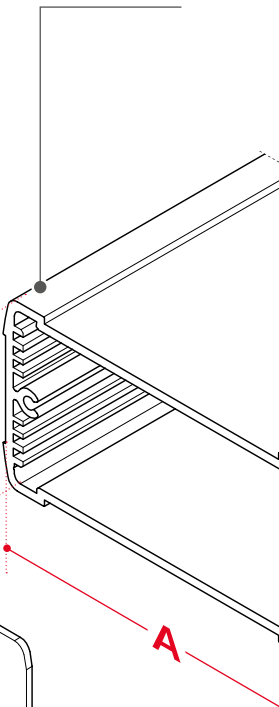
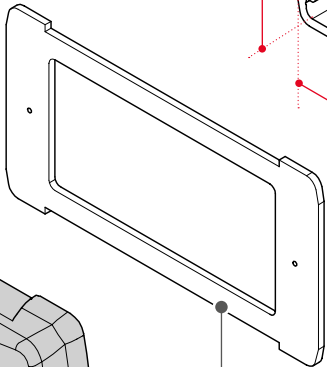ELP…1240
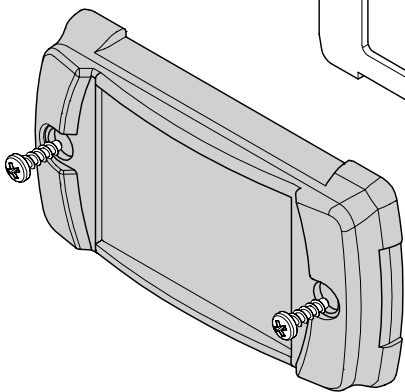
Enclosure versions

ELPH
(horizontally divided)

ELPU
(open on one side)

ELP
(closed)

Insertion of
front panels possible
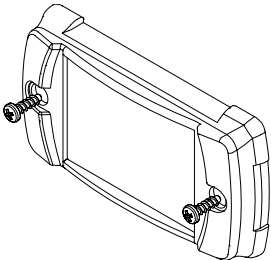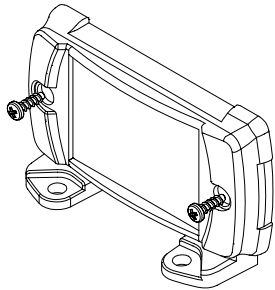
B

A

EL…DI
Seal to increase
the protection class

Lid variants

ELP…D

ELP…DW

BOS-Ecoline
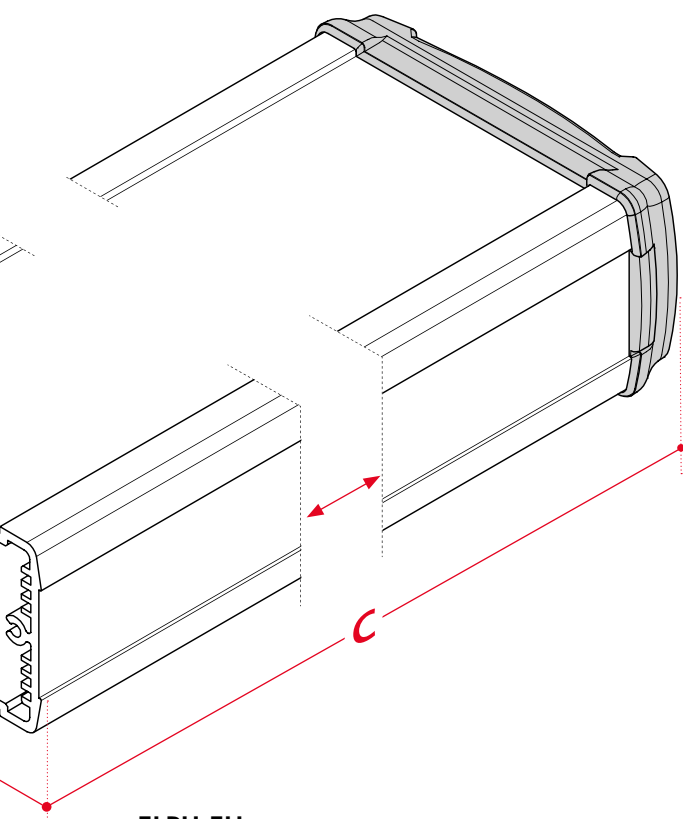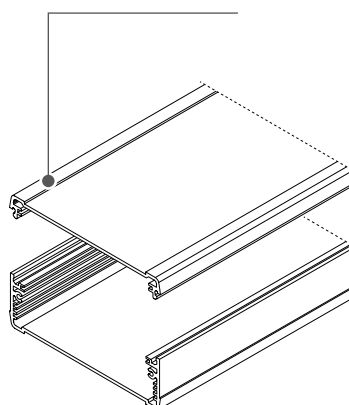
Dimensions

Model	A	B	C
ELP...620	57.5	22	*
ELP...840	80	42	*
ELPH-EU...1050	106	52	*
ELP...1050	106	52	*
ELP...1240	120	42	*

* C = Standard lengths: 100 / 150 / 200
Individual profile lengths on request.

Profile cross-sections

Model	ELP	ELPH	ELPU
ELP...620	✓	✓	✓
ELP...840	✓	✓	✓
ELPH-EU…1050		✓	
ELP…1050	✓	✓	✓
ELP…1240	✓	✓	✓

Accessories
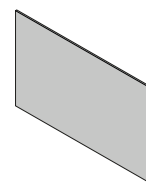
Seals EL…DI
to protection class IP 54, EPDM

Front panels in different versions

ELPH-EU
(for Euro cards)

C

Profile

The product advantages
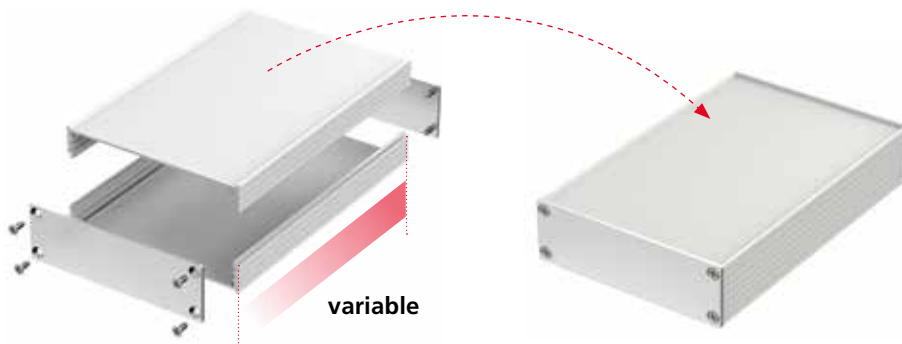
variable

Filotec is based on two anodised aluminium profile half-shells. This means that the enclosure system is variable in length and can, if necessary, be adapted flexibly to the relevant application.

In addition to the various heights, the F 5.. and F 10.. offer profiles with integrated wall brackets or cooling fins.

Filotec is available in different profile widths. Profiles of different heights can be combined with each other within a family in order to vary the height of the enclosures.

The enclosure lids consist of anodised sheet aluminium and provide plenty of space for fitting connectors, printing, etc.

During the mounting of the enclosure lid, the enclosure halves are automatically screwed together

#97

Quick-Finder:
www.bopla.de/97

Examples of use

Filotec

BOPLA
A Phoenix Mecano Company

Colour:
Anodized in natural color

Protection class:
IP40 / DIN EN 60529

Material:
Enclosure: Al Mg Si 0,5; anodized

For details see technical information.

Profile

Profile cross-sections

F 316…

F 320…

F 324…

F 416…

F 420…

F 424…

F 516…

F 520…

F 524…

F 716…

F 720…

F 724…

F 1024…

F 1028…

F 1032…

F 1036…

F 1040…

F 1048…

F 1632…

Enclosure versions

F…K Cover
(horizontally divided, with heat sink)

F…F Cover
(horizontal geteilt)

B

A

C

F…D Lid

Filotec
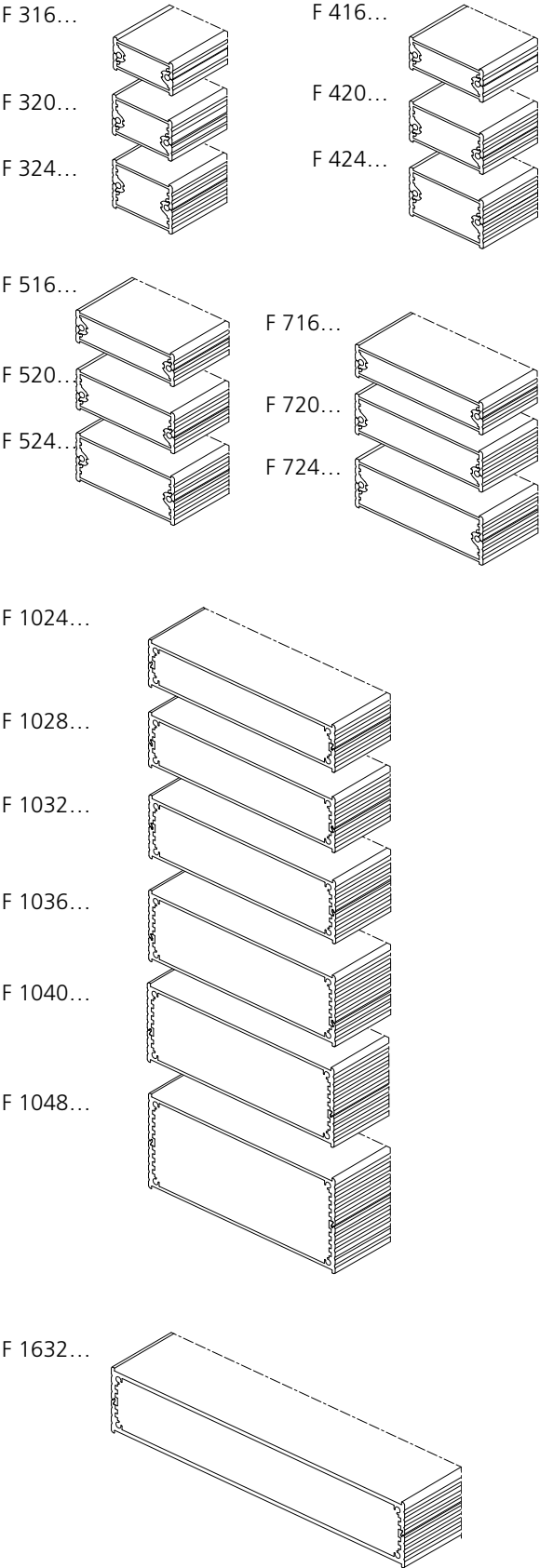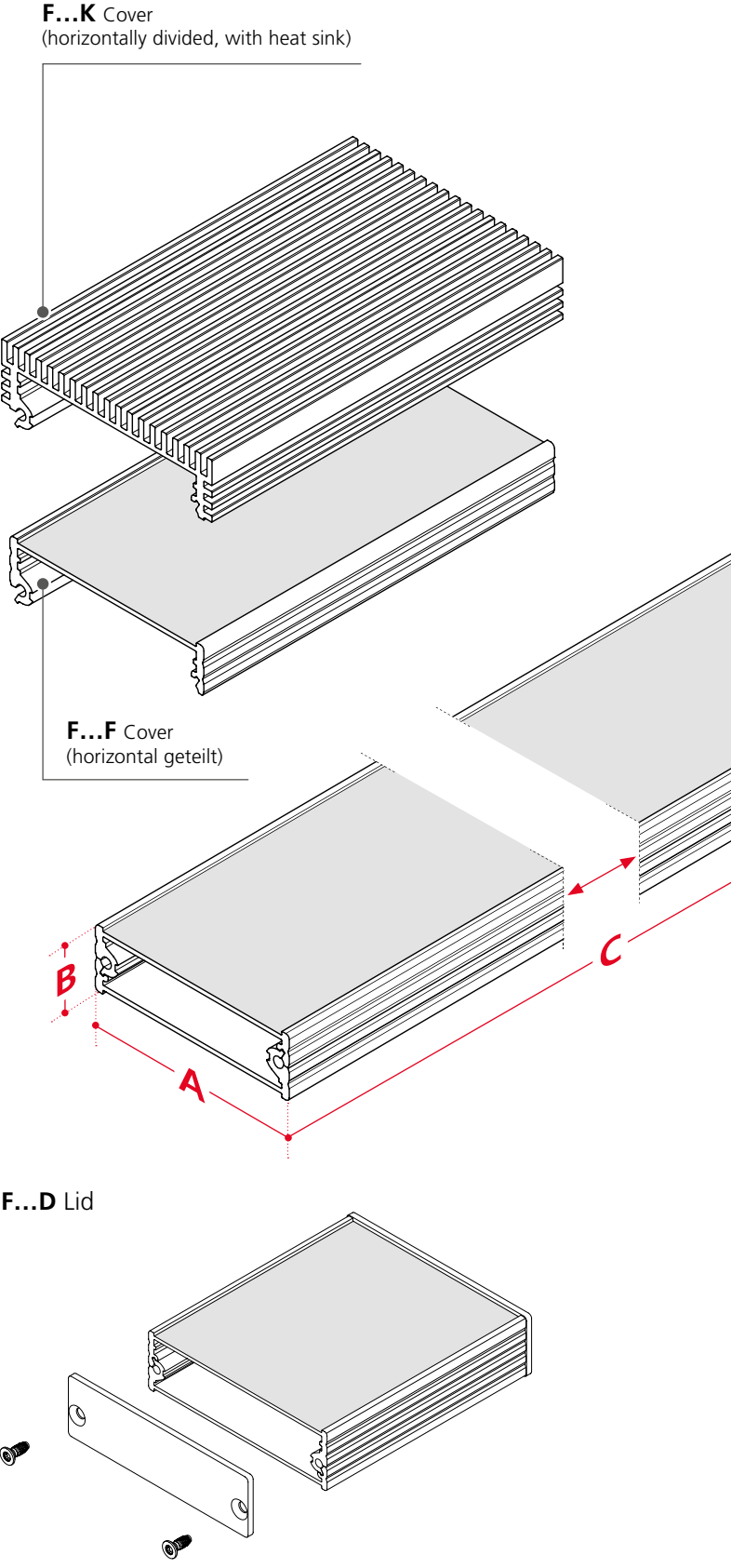
Note

The lids and bases can be combined with each other. For example: Lid with heat sink and base with wall brackets.

F Profile
(assembly)

F Base
(horizontally divided)

F…WL Base
(with wall brackets)

Dimensions

| Model	A	B	C	WL	KWL	K
F 316…	33.6	16.4	*			
F 320…	33.6	20.4	*			
F 324…	33.6	24.4	*			
F 416…	41.6	16.4	*			
F 420…	41.6	20.4	*			
F 424…	41.6	24.4	*			
F 516…	55.3	16.4	*			
F 520...	55.3	20.4	*	✓		
F 524...	55.3	24.4	*	✓	✓	✓
F 716…	71.8	16.4	*			
F 720…	71.8	20.4	*			
F 724…	71.8	24.4	*			
F 1024…	105	24	*			
F 1028…	105	28	*			
F 1032…	105	32	*			
F 1036...	105	36	*	✓		
F 1040...	105	40	*	✓		
F 1048...	105	48	*	✓	✓	✓
F 1632…	165	33	*			

* C = Profile standard lengths depending on the mode 50 / 80 / 100 / 160 / 220 / 1000, special lengths on request.

Accessories

Aluminium cover, 2 mm
natural-coloured anodised

Profile

173

# The product advantages
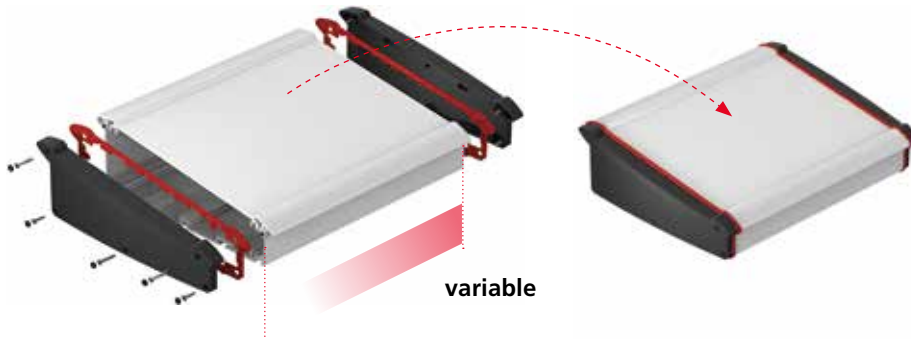
variable

The enclosure body consists of anodised aluminium profiles and can be adapted to any application (coloured design seals only with the ATPH-IP variant).

Plastic lids are available as profile ends in three standard colours – and now also in black, as many customers have requested. The ATPH-IP variant also has a design seal.

The split enclosure profile allows easy access to the interior, and fast, problem-free mounting of the electronic components.
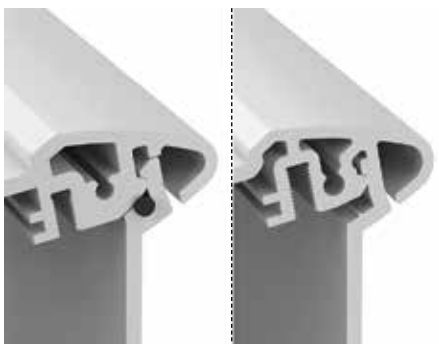
The factory-fitting of a round cord seal in combination with the AT...DI seal ensures that the ATPH variant (left) achieves protection class IP54.
The ATPH-IP version (right) provides IP65 protection as standard.

The profiles are equipped with various plug-in slots and also screw channels for alternative uses for mounting circuit boards.

#92

Quick-Finder:
www.bopla.de/92

Examples of use

174

Alu-Topline

BOPLA
A Phoenix Mecano Company

Colour:
Profile anodized in natural color

Plastic lid:

⬤ Graphite grey, similar to RAL 7024

⬤ Black, similar to RAL 9005

Special colours on request

Protection class:
ATPH: IP 40; optional IP 54 DIN EN 60529;
ATPH-IP: IP 65 DIN EN 60529

Material:
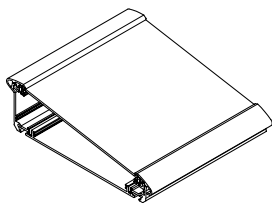Extruded profiles: Al Mg Si 0,5; anodized
Plastic lid: ABS
Design seal: TPE
Seal: EPDM

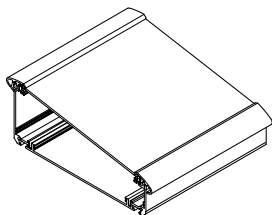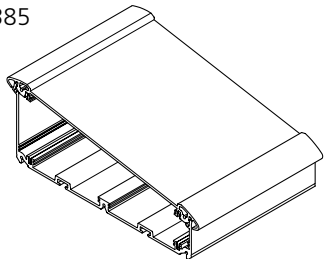For details see technical information.

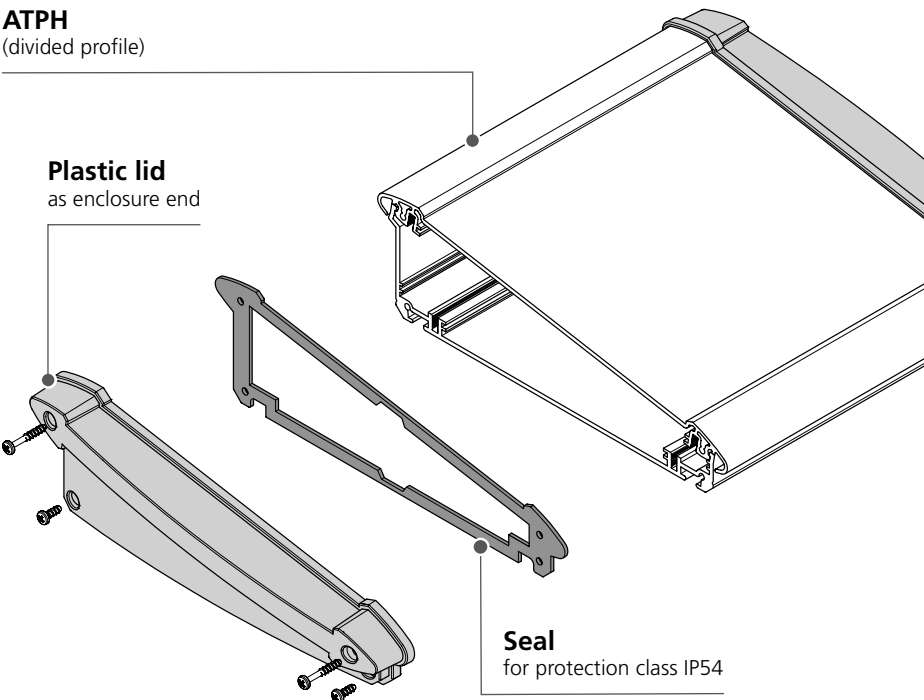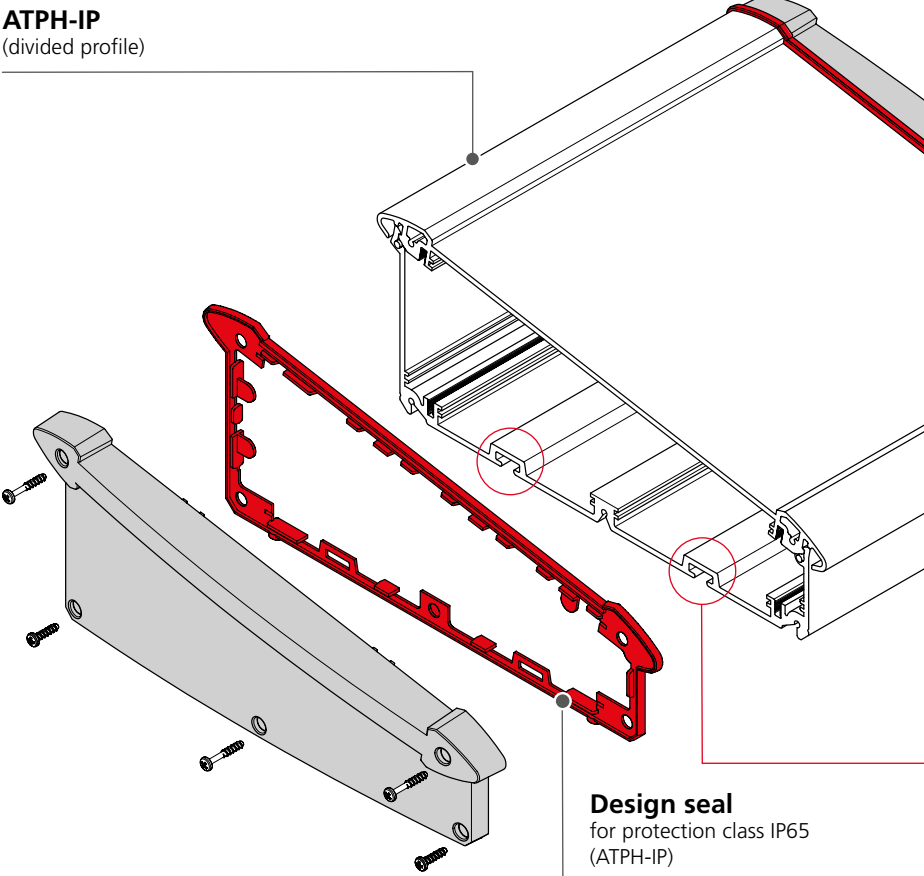Profile

Cross-sections

ATPH 1850

ATPH 1865

ATPH-IP 2385

Enclosure versions

ATPH
(divided profile)

Plastic lid
as enclosure end

Seal
for protection class IP54

ATPH-IP
(divided profile)

Design seal
for protection class IP65
(ATPH-IP)

Alu-Topline

⚠ Note

For protection class IP54, in addition to seal AT...DI – available as an accessory – a round cord seal can be factory-fitted in the enclosure profile.

Dimensions

Model	A	B	C
ATPH 1850	181.2	53.2	*
ATPH 1865	181.2	68.2	*
ATPH-IP 2385	232,6	86,2	*

*C = standard lengths: 150 / 200 / 250 / 265 / 300
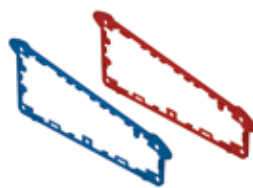Special lengths on request.

Accessories

Universal wall fitting

Rubber feet

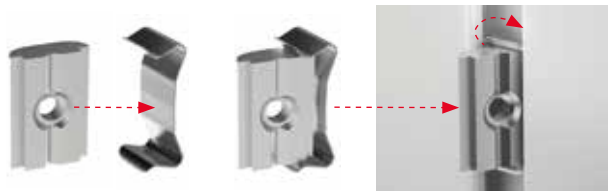Design seal for protection class IP65
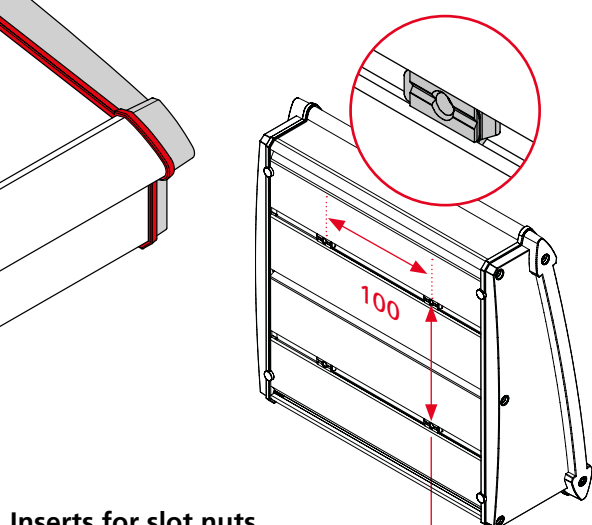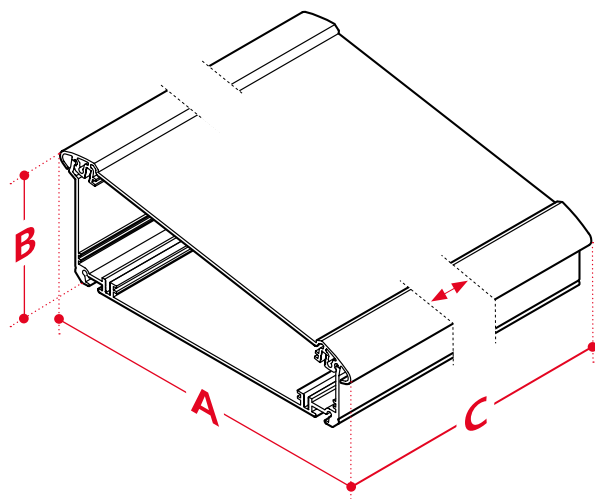
Seal for protection class IP54

Aluminium wall mounting

Insulating strip

Slot nuts, swivellable, for VESA mounting ATPH-IP

Inserts for slot nuts
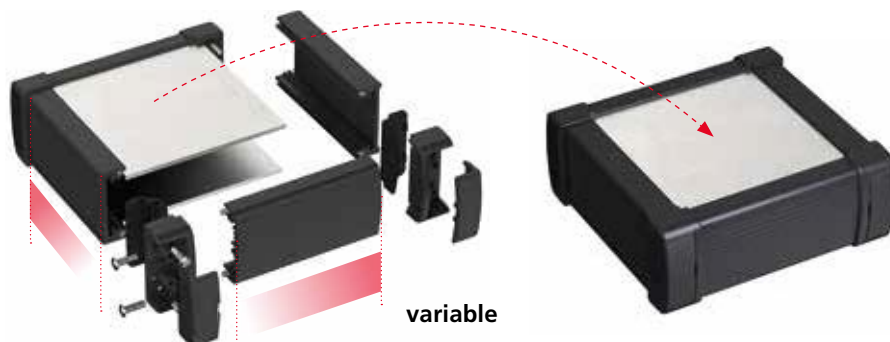e.g. for wall mounting using VESA 100
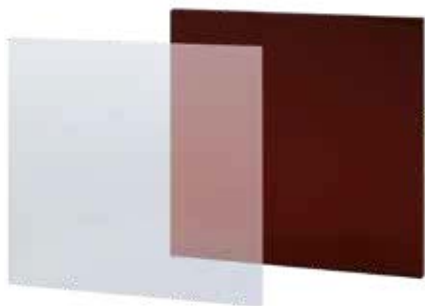
100

Profile

The product advantages

variable

The frame construction consisting of powder-coated aluminium profiles and diecast corners permits assembly with varying widths and lengths.

Cover plates in different materials and surfaces adapt to the application and create interesting visual effects.

Two profile variants are available for enclosures with 50 mm and 100 mm height.

On the Aluplan 100, the cover plates can be removed without disassembly of the frame.

The high level of IP65 protection is achieved by the use of round cord seals in the profiles and pre-formed seals in the diecast corners.

#64

Quick-Finder:
www.bopla.de/64

Examples of use

Aluplan

Colour:

⚫ Aluplan 50: Black, similar to RAL 9005

⚪ Aluplan 100: Light grey, similar to RAL 7035

Special colours on request

Protection class:

IP65 / DIN EN 60529

Material:

Extruded profiles: Al Mg Si 0.5 powder coated
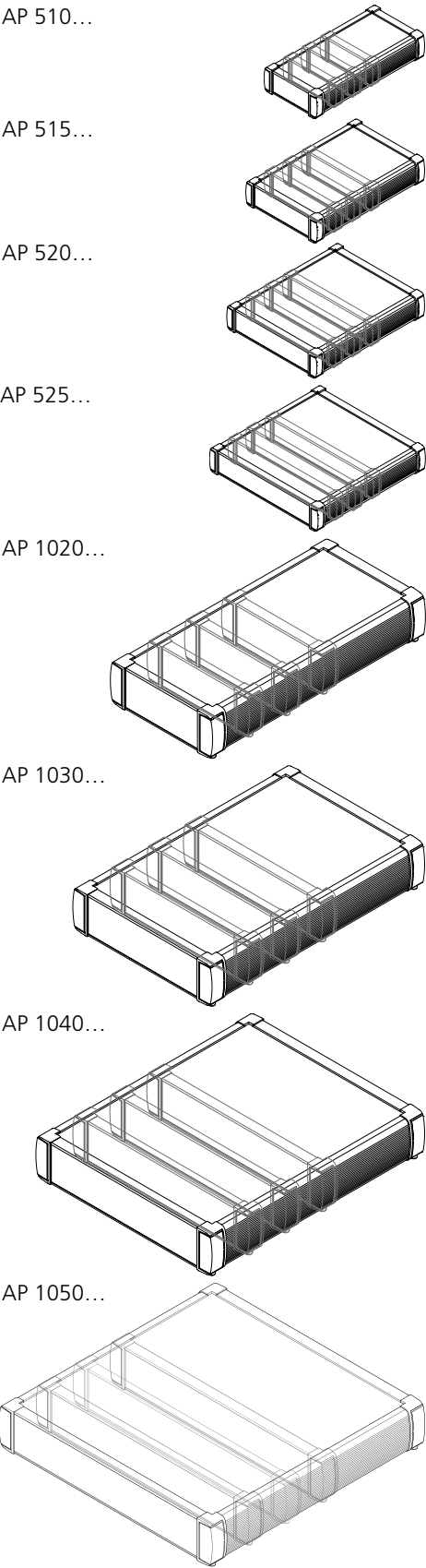Diecast corners: Zinklegierung Z410, powder coated
Corner caps: PA-GF 15
Corner part seal: TPV / TPE
Seal in profile groove: EPDM

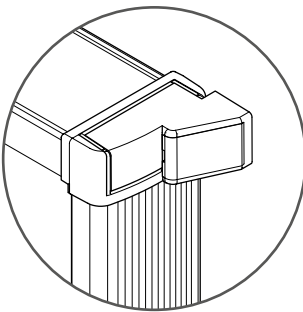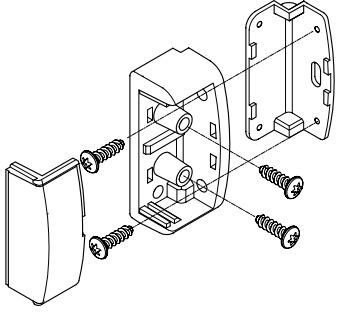For details see technical information.

Profile

Enclosure sizes

AP 510…

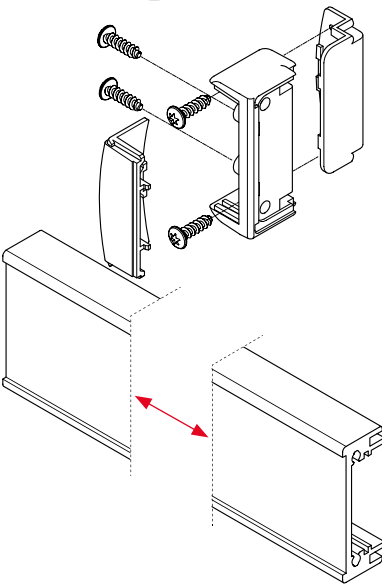AP 515…
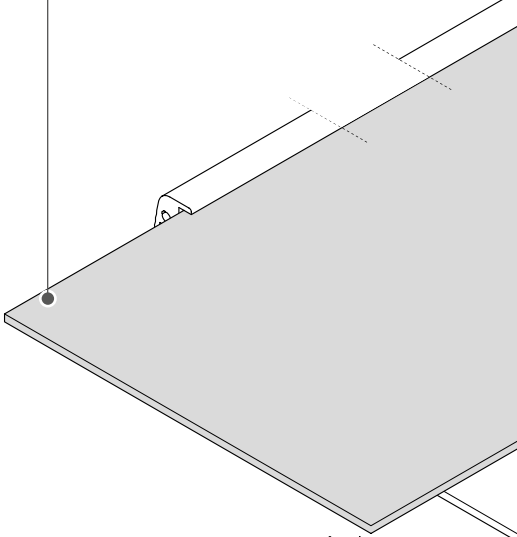
AP 520…

AP 525…

AP 1020…

AP 1030…

AP 1040…

AP 1050…

Enclosure design

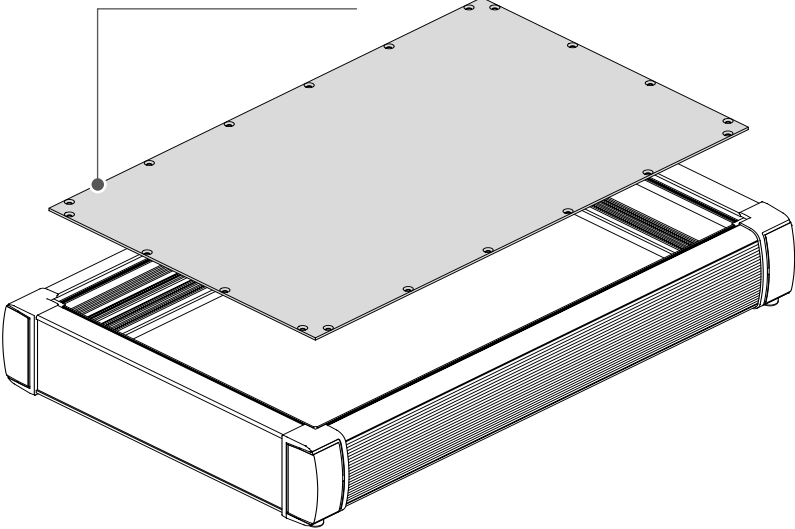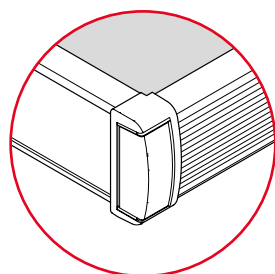**Wall bracket**
AP 5… WL

Front panel
insertable

Frontplatte
screwable, only with AP 10…

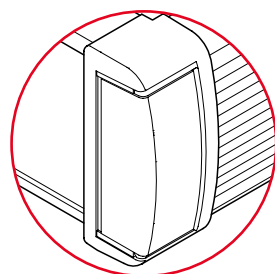# Aluplan

Dimensions

Model	A	B	C
AP 51010	143	145	56
AP 51015	143	195	56
AP 51020	143	245	56
AP 51025	143	295	56
AP 51510	193	145	56
AP 51515	193	195	56
AP 51520	193	245	56
AP 51525	193	295	56
AP 52010	243	145	56
AP 52015	243	193	56
AP 52020	243	245	56
AP 52025	243	295	56
AP 52510	293	145	56
AP 52515	293	195	56
AP 52520	293	245	56
AP 52525	293	295	56
AP 102020	278	278	100
AP 102030	278	378	100
AP 102040	278	478	100
AP 102050	278	578	100
AP 103020	378	278	100
AP 103030	378	378	100
AP 103040	378	478	100
AP 103050	378	578	100
AP 104020	478	278	100
AP 104030	478	378	100
AP 104040	478	478	100
AP 104050	478	578	100
AP 105020	578	278	100
AP 105030	578	378	100
AP 105040	578	478	100
AP 105050	578	578	100

Individual profile lengths (A and B lengths) on request.
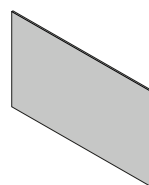
Accessories

Handle

Wall bracket

Tip-up foot set

Front panels in different versions

Unit foot

Set of hinges AP 10

Enclosure height
5… / 59 mm

Enclosure height
10… / 100 mm

Profile