CombiCard® 5000-7000

Modular Instrumentation Enclosure System

For Finishing Services, Product Support, or to Order

Call 1-301-696-9800

Bopla Enclosures • 7330 Executive Way • Frederick, MD 21704 • 301-696-9800 • www.Rose-Bopla.com • E-mail: RBinfo@pm-usa.com

Last Update May 2012

The modular construction of this innovative enclosure ensures that the demands made of a future-orientated enclosure system are satisfied in the best possible way.
Variable widths and depths, ingress protection IP 66 and access protection which can be defined – these are just a few of the excellent facilities provided by this enclosure.

The hinge system design and the possibility of installing prefabricated mounting racks minimize the assembly times.
The double clamp area permits easy, clean wiring with a large number of cable entries.

Enclosure material: ABS, polycarbonate (only FD...G).
For technical data see pages 646-651.

Color: Fronts and bases light gray, similar to RAL 7035; front lid in G-version clear;
side covers light gray, similar to RAL 7035;
rear parts agate gray, similar to RAL 7038.
Special colors at minimum order quantities on request.

Ingress protection: IP 66 (IP 30 with ventilation) / DIN EN 60529).

Accessories (additional charge):
See product pages.

Definable access protection:

The integrated quick-release fastening allows left-hand or right-hand opening between every system part.
Each hinged quick-release fastening can be protected against unauthorized access by lock bolts or lead seals.
The optimal way to close the front lids is by using a cylinder catch.

Enclosure variants:

Front, base and rear parts can be combined in a basic size in any way required – also without bases.
If the units are of sufficient size, the bases can be positioned with ventilation according to the convection requirements.
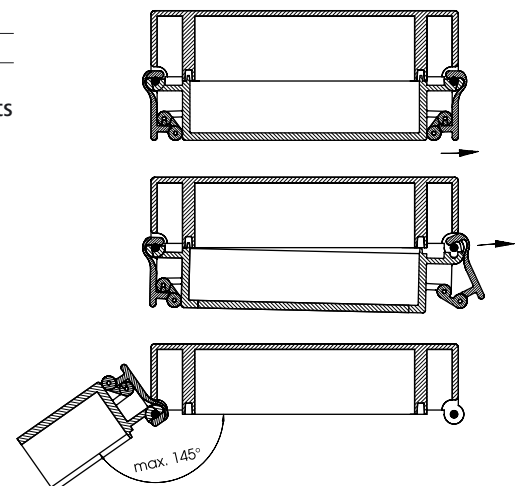
◀ Control panel mounting model for Combicard® 6000 enclosure system consisting of FD 6000 G, BC 6000 NG, BC 6000, FD 6000 and BC 6000 NG-AP.

Patented hinged quick-release fastening with a maximum opening angle of 145°. ▼

Dimensions:

Model	Front length	Front height	Depth
5000	175.7	146.7	corresponding to the
6000	226.5	146.7	combined system parts
7000	323.0	146.7	

max. 145°

Z-2101917

197

All dimensions in mm. Please refer also to technical data.

CombiCard 5000-7000 system components

Clear or light gray (similar to RAL 7035) front lid with **integrated hinged quick-release fastenings**. There is a 1 mm deep offset area for membrane keypads in the front area.

Closed front frame design to hold membranes or membrane keypads. Mounting bosses are moulded on the inside area for the fitting of PCBs, mounting plates or keyboard support plates. The front frame can be fixed with snap-on covers on the base or rear or – to comply with the **VDE regulations** – **with screws** (included in scope of delivery). If required, upgrading to a hinged quick-release fastening is possible at a later date using accessory SV 5670.

Front lids, clear

Order designation

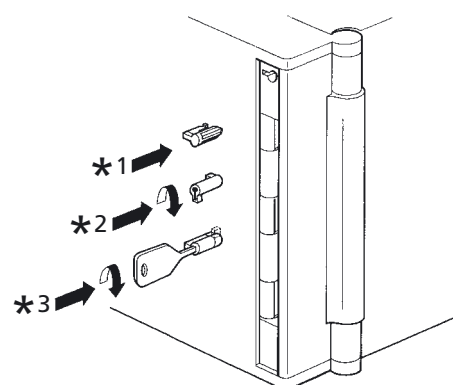| Model	Order no.
FD 5000	79002800
FD 6000	79002900
FD 7000	79003000
FD 5000 G	79003100
FD 6000 G	79003200
FD 7000 G	79003300

G = clear

Scope of delivery:
Front lid with seal,
2 mounted locks,
1 blind plug *1 – to close the lock opening on the opening side,
1 catch *2 – to close the lock opening and one-time definition of the hinge side on the front lid.

Accessories (additional charge)

Model	Order no.	Designation
SHLO-302	21008310	Cylinder catch *3
VA 5670	79005300	Lock cover

Table of dimensions

Model	B1	B2	B3
FD 5000 (G)	175.7	$131.8^{+0.5}_{-0.3}$	129.1 / 128.6
FD 6000 (G)	226.5	$182.6^{+0.6}_{-0.3}$	179.9 / 179.4
FD 7000 (G)	323.0	$279.1^{+1.0}_{-0.5}$	276.4 / 275.9

Front frames, closed

Order designation

Model	Order no.
FR 5000	79003700
FR 6000	79003800
FR 7000	79003900

Scope of delivery:
Front frame with seal,
2 snap-on covers,
4 fixing screws

Accessory (additional charge)

Model	Order no.	Designation
SV 5670	79005400	Hinged fastening

Table of dimensions

Model	B1	B2	B3	B4	B5	N
FR 5000	175.7	$113.6^{+0.4}_{-0.2}$	129.1 / 128.6	122.1	80	1
FR 6000	226.5	$164.4^{+0.6}_{-0.3}$	179.9 / 179.4	172.9	160	2
FR 7000	323.0	$260.9^{+1.0}_{-0.5}$	276.4 / 275.9	269.4	240	3

B2

①

$138.8 \, ^{+0.5}_{-0.3}$

③

④

133.5

146.7

⑥

②

B3

B1

4

1

34

Z-2101294

FR 5000 - FR 7000

B4

B2

N*80 (=B5)

①

126.5

$118 \, ^{+0.4}_{-0.2}$

③

④

133.5/133

146.7

⑥

②

5

B3

ø 2.4/14 deep

B1

20   4

34
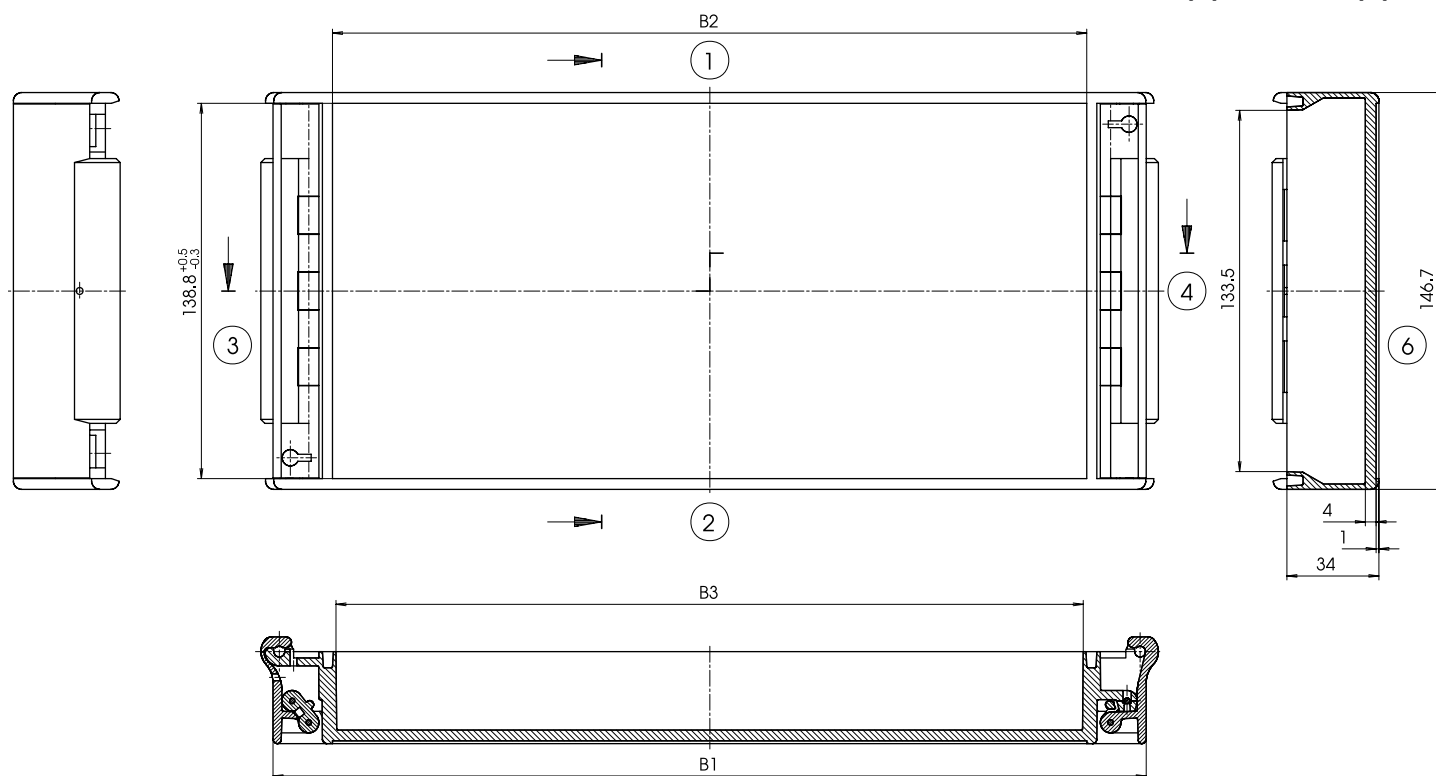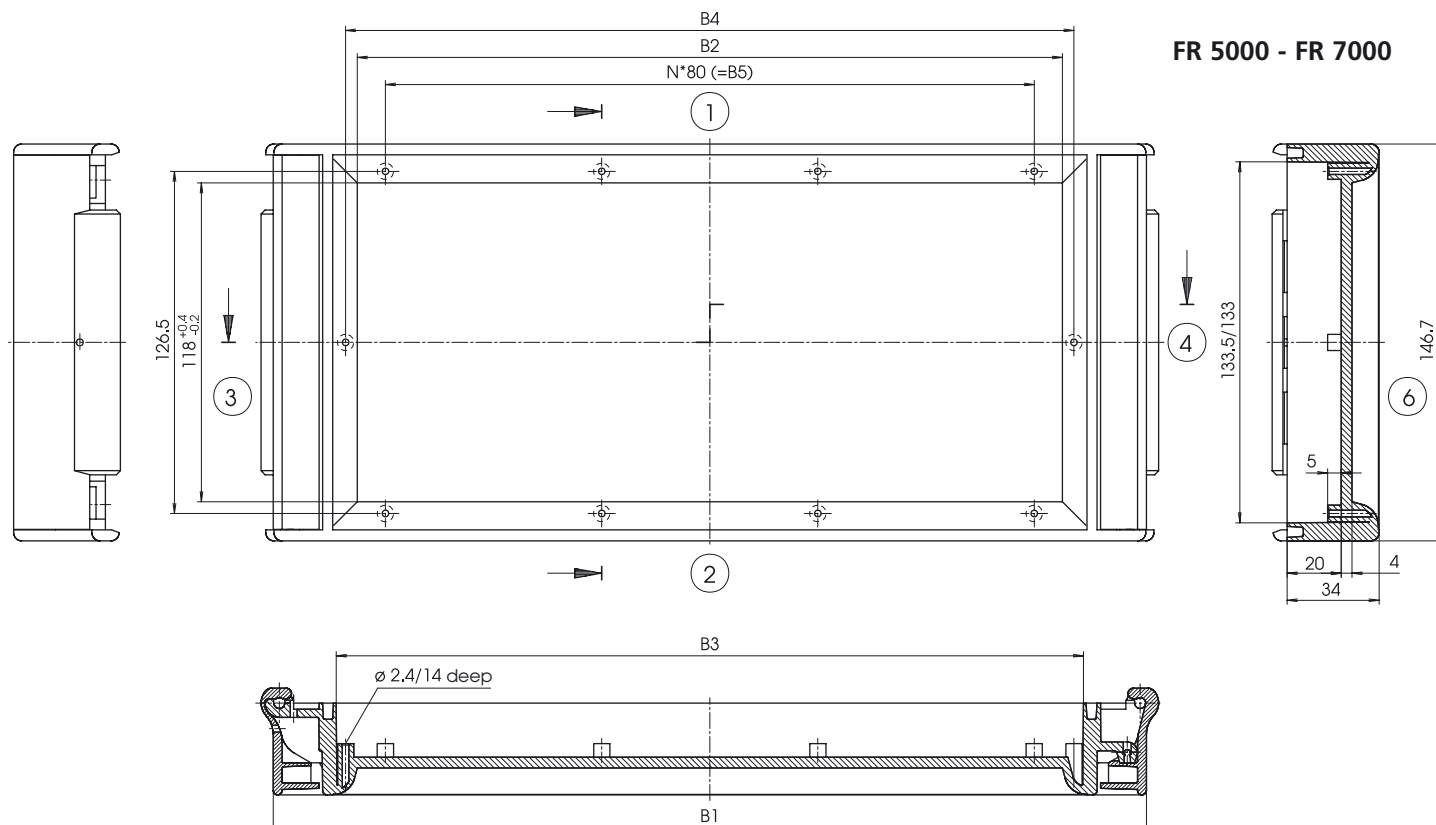
Z-2101296

CombiCard 5000-7000 system components

Open front frame design, for fitting front panels FP...AI with integrated pre-formed moulded seal. Customer-specific panels with comparable quality and stability guarantee IP 66. The front frame can be fixed by means of the snap-on cover on the base or rear or – to comply with the **VDE regulations** – **with screws** (included in scope of delivery). If required, upgrading to a hinged quick-release fastening can be carried out at a later date using accessory SV 5670.
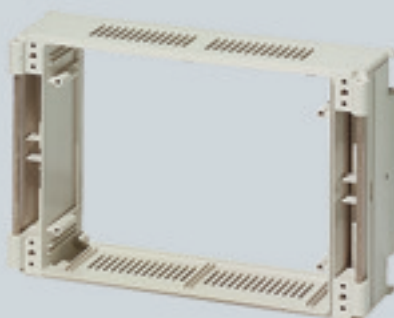
Base (with/without air vents) with **integrated hinged quick-release fastenings** to increase the installation depth in combination with front, base and rear parts. The base contains mounting bosses for:
– front panel FP_000 l
– mounting rack BGT_000...
– mounting plate M_000
The hinged quick-release fastenings are to be opened by means of a tool (in accordance with VDE) and also sealable or to be secured by means of catch SR 5670-__. Unlocking is only possible when the front element is open (see page 211).

Front frames, open

Order designation		Accessories (additional charge)	
Model	Order no.	Front panels	Order no.
FO 5000	79003400	FP 5000 AI	79004300
FO 6000	79003500	FP 6000 AI	79004400
FO 7000	79003600	FP 7000 AI	79004500

Scope of delivery:
Front frame with seal,
2 snap-on covers,
4 fixing screws,
10 front panel fixing screws

Accessory (additional charge)

Model	Order no.	Designation
SV 5670	79005400	Hinged quick-release fastening

Table of dimensions

Model	B1	B2	B3
FO 5000	175.7	109.6	129.1 / 128.6
FO 6000	226.5	160.4	179.9 / 179.4
FO 7000	323.0	256.9	276.9 / 275.9

Bases -0.5 (51.51 mm construction depth)

Order designation		Accessories (additional charge)	
Model	Order no.	Front panels	Order no.
BC 5000 -0.5	79001000	FP 5000 I	79004000
BC 6000 -0.5	79001100	FP 6000 I	79004100
BC 7000 -0.5	79001200	FP 7000 I	79004200
BC 5000 L-0.5	79001300		
BC 6000 L-0.5	79001400	Mounting plates	Order no.
BC 7000 L-0.5	79001500	M 5000	80050000
L = with ventilation		M 6000	80060000
		M 7000	80070000

Scope of delivery:
BC_000-0.5: base with seal,
2 mounted locks
BC_000 L-0.5:
base with air vents without seal,
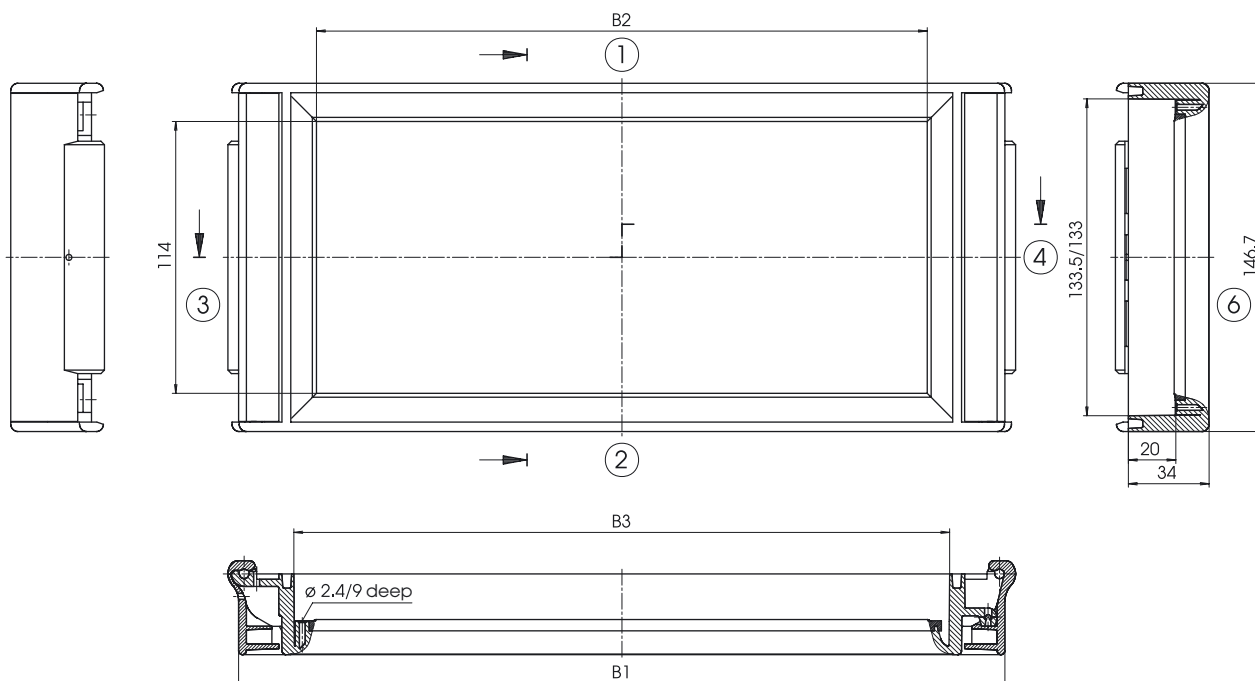2 mounted locks

Accessory (additional charge)

Model	Order no.	Designation
SR 5670-0.5	79004900	Set of catches

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	N
BC 5000 (L)-0.5	175.7	128.5/127.1	133.7/133.2	105.78	119.88	125.08	35.56	7
BC 6000 (L)-0.5	226.5	179.3/177.9	184.5/184.0	156.58	170.68	175.88	60.96	12
BC 7000 (L)-0.5	323.0	275.8/274.4	281.0/280.5	253.10	267.20	272.40	111.76	22

FO 5000 - FO 7000

B2

① ③ ④ ⑥ ②

114

133.5/133

146.7

20
34

B3

ø 2.4/9 deep

B1

Z-2101295

**BC 5000 (L) -0,5 -
BC 7000 (L) -0,5**
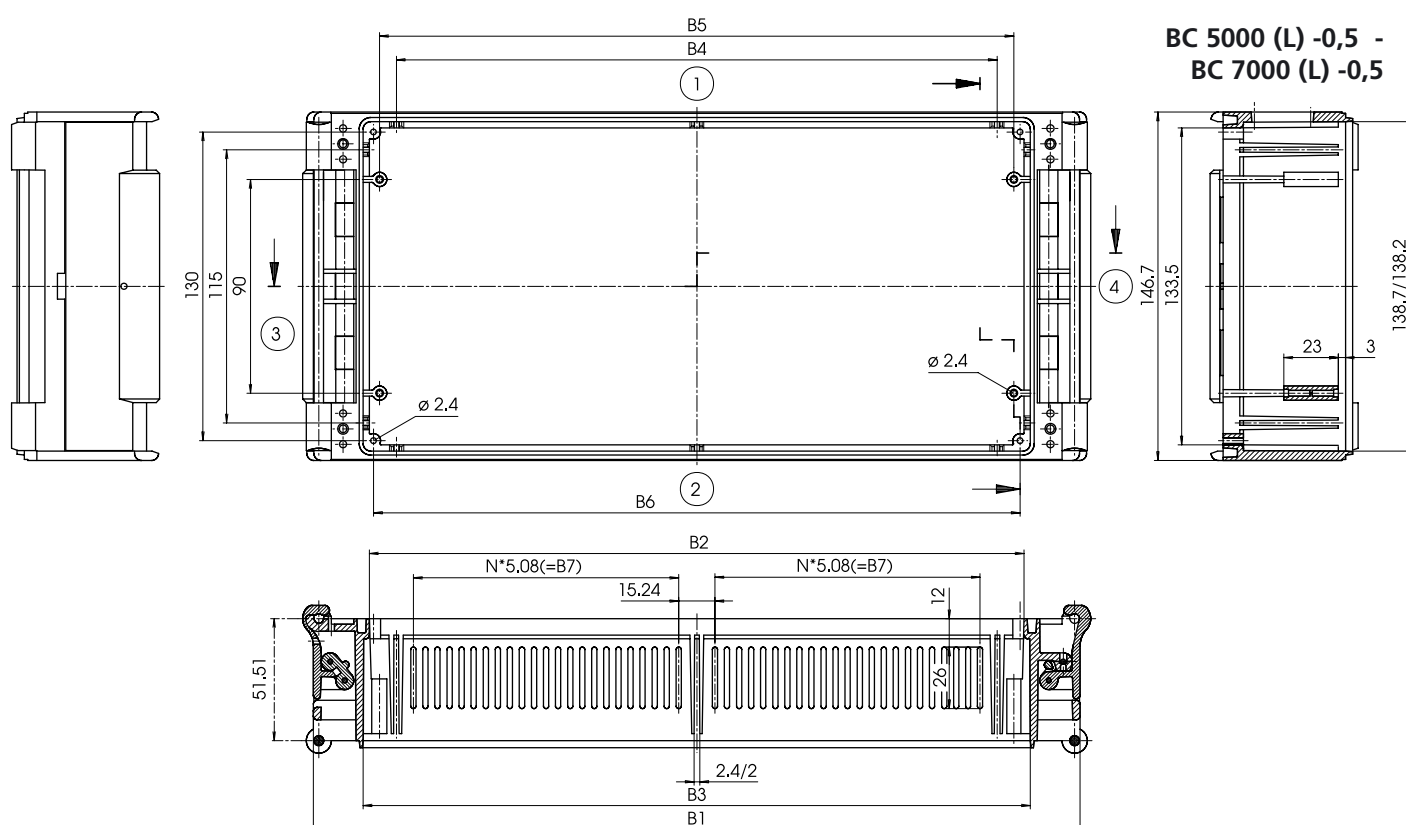
B5
B4

①

③ ④

130
115
90

146.7
133.5

138.7/138.2

23   3

ø 2.4

ø 2.4

②

B6

B2

N*5.08(=B7)   N*5.08(=B7)

15.24

12

51.51

26

2.4/2

B3

B1

Z-2101291

Base (with/without air vents) **with integrated hinged quick-release fastenings** to increase the installation depth in combination with front, base and rear parts.
The base contains mounting bosses for:
– front panel FP_000 l
– mounting rack BGT_000...
– mounting plate M_000
The hinged quick-release fastenings are to be opened by means of a tool (in accordance with VDE) and also to be sealable or to be secured by means of catch SR 5670-__.
Unlocking is only possible when the front element is open
(see page 211).

Bases -1 (88.25 mm construction depth)

Order designation

Model	Order no.
BC 5000 -1	79001600
BC 6000 -1	79001700
BC 7000 -1	79001800
BC 5000 L-1	79001900
BC 6000 L-1	79002000
BC 7000 L-1	79002100

L = with ventilation

Accessories (additional charge)

Front panels	Order no.
FP 5000 l	79004000
FP 6000 l	79004100
FP 7000 l	79004200

Mounting plates	Order no.
M 5000	80050000
M 6000	80060000
M 7000	80070000

Scope of delivery:
BC_000-1: base with seal, 2 mounted locks
BC_000 L-1:
base with air vents without seal, 2 mounted locks

Accessory (additional charge)

Model	Order no.	Designation
SR 5670-1	79005010	Set of catches

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	N
BC 5000 (L)-1	175.7	128.5/127.1	133.7/132.8	105.78	119.88	125.08	35.56	7
BC 6000 (L)-1	226.5	179.3/177.9	184.5/183.6	156.58	170.68	175.88	60.96	12
BC 7000 (L)-1	323.0	275.8/274.4	261.0/280.1	253.10	267.20	272.40	111.76	22

Bases -1.5 (139.76 mm construction depth)

Order designation

Model	Order no.
BC 5000 -1.5	79002200
BC 6000 -1.5	79002300
BC 7000 -1.5	79002400
BC 5000 L-1.5	79002500
BC 6000 L-1.5	79002600
BC 7000 L-1.5	79002700

L = with ventilation

Accessories (additional charge)

Front panels	Order no.
FP 5000 l	79004000
FP 6000 l	79004100
FP 7000 l	79004200

Mounting plates	Order no.
M 5000	80050000
M 6000	80060000
M 7000	80070000

Scope of delivery:
BC_000-1.5: base with seal, 2 mounted locks
BC_000 L-1.5:
base with air vents without seal, 2 mounted locks

Accessory (additional charge)

Model	Order no.	Designation
SR 5670-1.5	79005100	Set of catches

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	B7	N
BC 5000 (L)-1.5	175.7	128.5/127.1	133.7/132.3	105.78	119.88	125.08	125.08	35.56	7
BC 6000 (L)-1.5	226.5	179.3/177.9	184.5/183.1	156.58	170.68	175.88	175.88	60.96	12
BC 7000 (L)-1.5	323.0	275.8/274.4	281.0/279.6	253.10	267.20	272.40	272.40	111.76	22

BC 5000 (L) -1 -
BC 7000 (L) -1

Z-2101292

BC 5000 (L) -1,5 -
BC 7000 (L) -1,5

Z-2101293

CombiCard 5000-7000 system components

Base (with/without air vents) with integrated **hinge axes** on both **front and back** so that the base and/or **front elements** can be snapped into **both sides**.
This means that the unit in the control panel is optimally accessible from both sides: from the front for operation, from the rear for connection technology and servicing.

For examples of construction see page 205.

Mounting bosses are provided in the base for:
– front panel FP_000 I
– mounting rack BGT_000...
– mounting plate M_000
– DIN rails TS...

Base NG (control panel mounting)

Order designation

| Model	Order no.
BC 5000 NG	79001610
BC 5000 NG-L	79001910
BC 6000 NG	79001710
BC 6000 NG-L	79002010
BC 7000 NG	79001810
BC 7000 NG-L	79002110

L = with ventilation

Important: When these bases (BC...NG (-L)) are used, **front lids** must be used on both sides to close the enclosure.
Tightening torque for the fixing elements = 80 Ncm.

Scope of delivery:
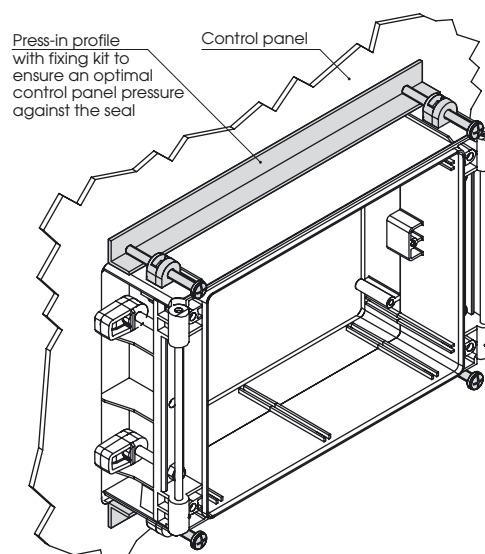Base including mounted set of fixing elements for control panel mounting.
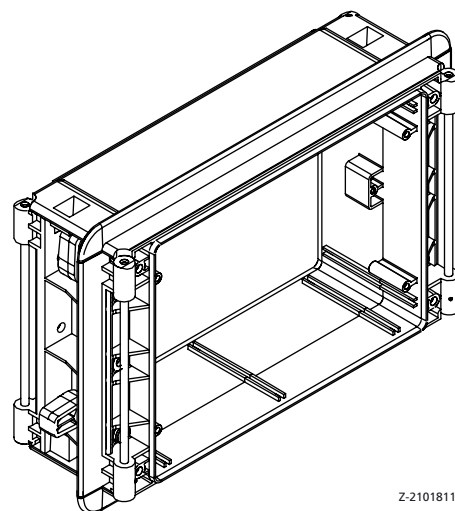
Z-2101811

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	N	A1
BC 5000 NG (-L)	203.7	129.1/128.7	133.7/133.3	105.78	119.88	113.7	35.56	7	185.2
BC 6000 NG (-L)	254.5	179.9/179.5	184.5/184.1	156.58	170.68	164.5	60.96	12	236.0
BC 7000 NG (-L)	351.0	276.4/276.0	281.0/280.6	253.10	267.20	261.0	111.76	22	332.5

Accessories (additional charge)

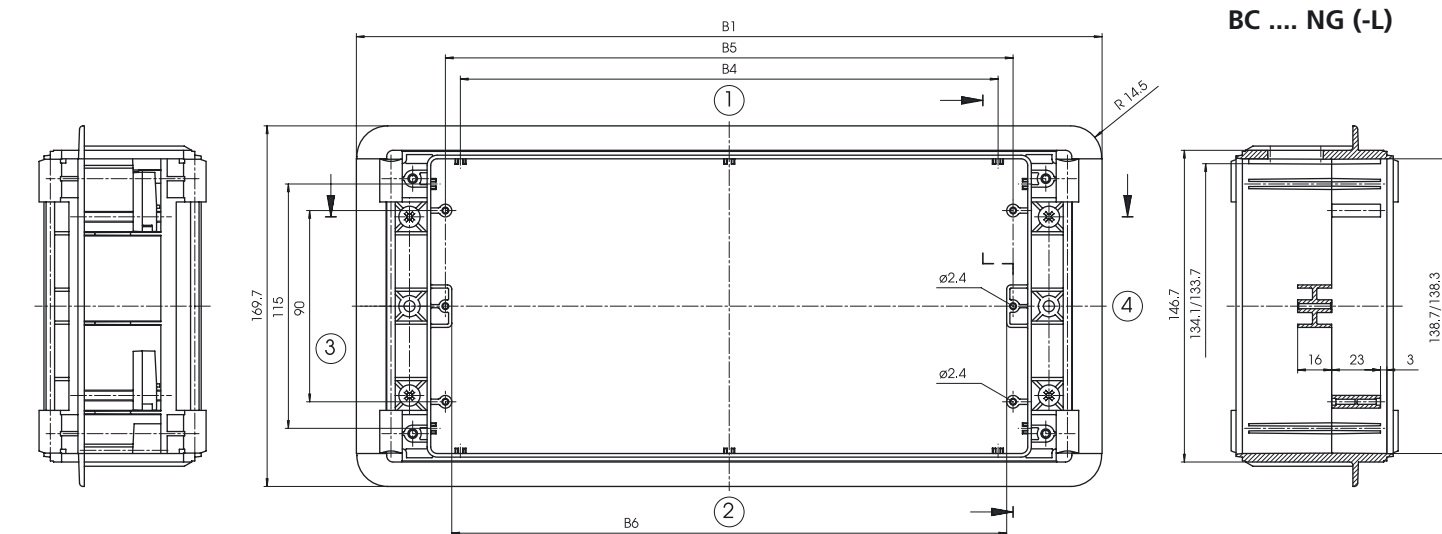| Model	Order no.	Description
BC 5000 NG-DI*	79001630	Self-adhesive seal
BC 5000 NG-AP	79001620	Press-in profile with fixing kit to ensure an optimal control panel pressure against the seal
BC 6000 NG-DI*	79001730	Self-adhesive seal
BC 6000 NG-AP	79001720	Press-in profile with fixing kit to ensure an optimal control panel pressure against the seal
BC 7000 NG-DI*	79001830	Self-adhesive seal
BC 7000 NG-AP	79001820	Press-in profile with fixing kit to ensure an optimal control panel pressure against the seal

* Ingress protection acc. to DIN EN 60529 possible up to max. IP 65, depending on the control panel material and thickness.
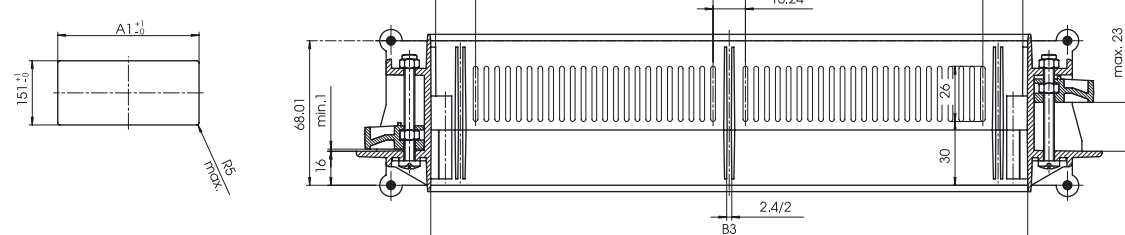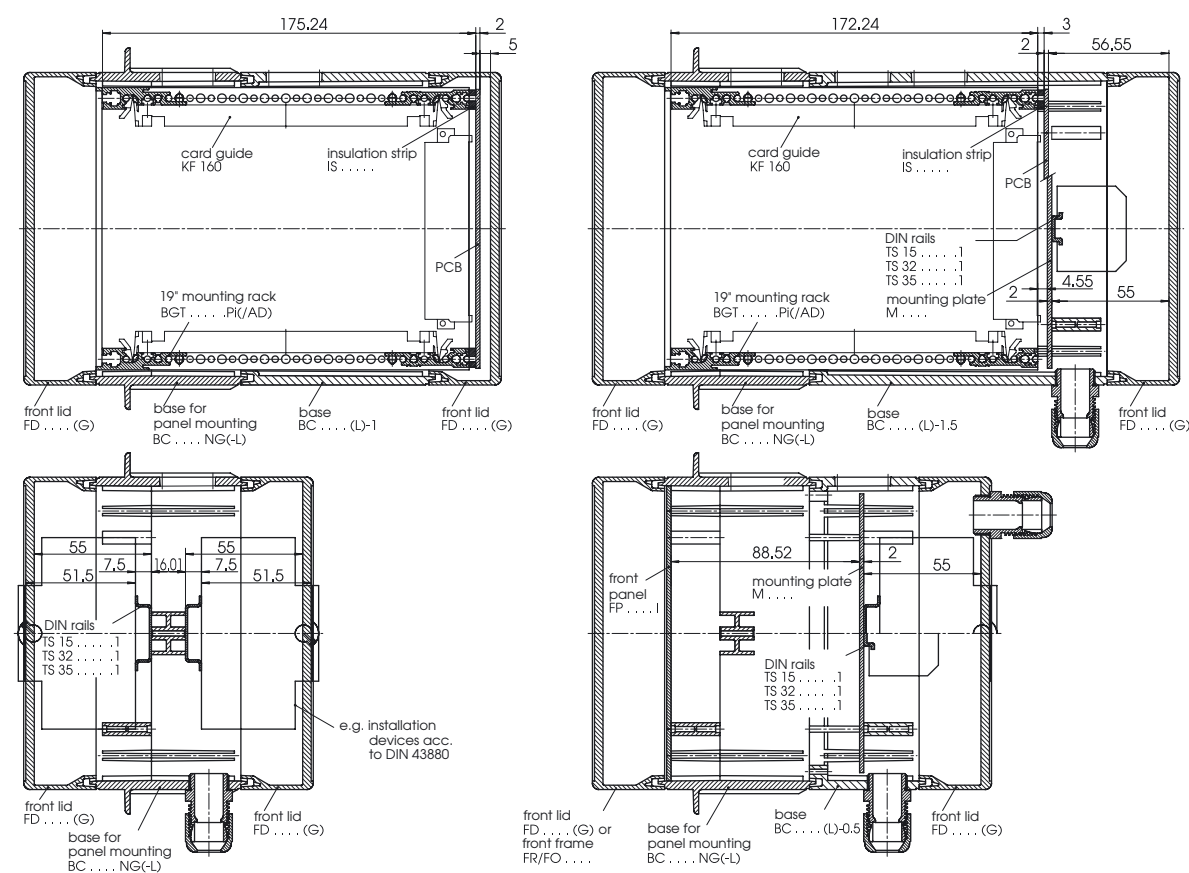
Press-in profile with fixing kit to ensure an optimal control panel pressure against the seal

Control panel

Z-2101888

BC .... NG (-L)

Z-2101784

Panel cut-out

Examples of construction

card guide
KF 160

insulation strip
IS . . . . .

PCB

19" mounting rack
BGT . . . . . .Pi(/AD)

front lid
FD . . . . (G)

base for
panel mounting
BC . . . . NG(-L)

base
BC . . . . (L)-1

front lid
FD . . . . (G)

card guide
KF 160

insulation strip
IS . . . . .

PCB

DIN rails
TS 15 1
TS 32 1
TS 35 1
mounting plate
M . . . .

19" mounting rack
BGT . . . . . .Pi(/AD)

front lid
FD . . . . (G)

base for
panel mounting
BC . . . . NG(-L)

base
BC . . . . (L)-1.5

front lid
FD . . . . (G)

DIN rails
TS 15 1
TS 32 1
TS 35 1

front lid
FD . . . . (G)

base for
panel mounting
BC . . . . NG(-L)

front lid
FD . . . . (G)

e.g. installation
devices acc.
to DIN 43880

front
panel
FP l

mounting plate
M . . . .

DIN rails
TS 15 1
TS 32 1
TS 35 1

front lid
FD . . . . (G) or
front frame
FR/FO . . . .

base for
panel mounting
BC . . . . NG(-L)

base
BC . . . . (L)-0.5

front lid
FD . . . . (G)

Z-2101893

CombiCard 5000-7000 system components

Rear sections without terminal compartment

Rear section (**without terminal compartment**) for combining with base (not BC...NG) or front elements. Mounting bosses are provided in the rear section for the fixing of mounting plates/DIN rails.
Wall fixing points or screw fastening points for wall brackets are provided outside the sealed lip.

Order designation

Model	Order no.
RD 5000	79000100
RD 6000	79000200
RD 7000	79000300

A fixing kit BS 5670 is also required for fitting front panels FP_000 I in the rear section. This elevates the front panel in the rear section.

Scope of delivery:
Rear section

Accessories (additional charge)

Front panels	Order no.
FP 5000 I	79004000
FP 6000 I	79004100
FP 7000 I	79004200

Mounting plates	Order no.
M 5000	80050000
M 6000	80060000
M 7000	80070000

Accessories (additional charge)

Model	Order no.	Designation
BS 5670	79005500	Fixing kit for FP...I in RD...
WL 5670	79004600	Wall brackets

For **DIN rails** see page 213.

Table of dimensions

Model	B1	B2	B3	B5	B6	B7	N
RD 5000	175.7	152.7	133.7 / 132.7	119.88	96.52	76.2	3
RD 6000	226.5	203.5	184.5 / 183.5	170.68	147.32	127.0	5
RD 7000	323.0	300.0	281.0 / 280.0	267.20	243.84	228.6	9

Rear sections with terminal compartment

Rear section (**with terminal compartment on one side**) for combining with base (not BC...NG) or front elements.
Mounting bosses are provided in the rear for the fixing of mounting plates/DIN rails.
Wall fixing points or screw fastening points for wall brackets are provided outside the sealed lip.

Order designation

Model	Order no.
RD 5000 K	79000400
RD 6000 K	79000500
RD 7000 K	79000600

A fixing kit BS 5670 is also required for fitting front panels FP_000 I in the rear section. This elevates the front panel in the rear section.

Scope of delivery:
Rear section,
terminal compartment bar,
terminal compartment cover including seal and fixing screws

Accessories (additional charge)

Front panels	Order no.
FP 5000 I	79004000
FP 6000 I	79004100
FP 7000 I	79004200

Mounting plates	Order no.
M 5000 K	80050100
M 6000 K	80060100
M 7000 K	80070100

Accessories (additional charge)

Model	Order no.	Designation
BS 5670	79005500	Fixing kit for FP...I in RD...
WL 5670 K	79004700	Wall brackets

For **DIN rails** see page 213.

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	N
RD 5000 K	175.7	152.7	133.7/132.7	129.7/128.7	119.88	96.52	76.2	3
RD 6000 K	226.5	203.5	184.5/183.5	180.5/179.5	170.68	147.32	127.0	5
RD 7000 K	323.0	300.0	281.0/280.0	277.0/276.0	267.20	243.84	228.6	9

RD 5000 - RD 7000

B5
B6
N*25.4 (=B7)
5.08
①
(33.35)
146.7
80
③
ø 2.4
7.5 deep
④
90
121
138.7/137.7
4.2
②
B3
B2
B1

50
⑤
4.5
5

12

Z-2101288

RD 5000 K - RD 7000 K

B1
B2
B3
B6
N*25.4 (=B7)
5.08
①
(33.35)
236.7
146.7
80
③
ø 2.4
7.5 deep
④
90
121
90.25
228.7/227.7
B4
ø13
min. drill hole for PCB
ø 2
5 high
73.6 *
12 *
12.25 *
12.5/13.5 *
24.5
3*10
90
100
4.2
②
B5
B3
B2

1
50
⑤
5
27.5
15.75 *
8.75 *
30 *
6-2
78
57
3.5
4
4.5
70

* central fixing point for terminal
compartment cover only with
RD 7000 K

Z-2101289

BOPLA
A Phoenix Mecano Company

CombiCard 5000-7000 system components/accessories

Rear section (**with terminal compartment on both sides**) for combining with base (not BC...NG) or front elements. Mounting bosses are provided in the rear section for the fixing of mounting plates/DIN rails.
Wall fixing points or screw fastening points for wall brackets are provided outside the sealed lip.

The wall brackets can be mounted either projecting outwards for a **projecting wall fastening** or flush with the enclosure edge as a **distance piece**. In both cases there is an 11 mm clearance for rear ventilation or cable bushing.

Rear sections with terminal compartment on both sides

Order designation

Model	Order no.
RD 5000 BK	79000700
RD 6000 BK	79000800
RD 7000 BK	79000900

A fixing kit BS 5670 is also required for fitting front panels FP_000 I in the rear section. This elevates the front panel in the rear section.

Scope of delivery:
Rear section,
2 terminal compartment bars
2 terminal compartment covers incl. seal and fixing screws

Accessories (additional charge)

Front panels	Order no.
FP 5000 I	79004000
FP 6000 I	79004100
FP 7000 I	79004200

Mounting plates	Order no.
M 5000 BK	80050200
M 6000 BK	80060200
M 7000 BK	80070200

Accessories (additional charge)

Model	Order no.	Designation
BS 5670	79005500	Fixing kit for FP...I in RD...
WL 5670 BK	79004800	Wall brackets

For **DIN rails** see page 213.

Table of dimensions

Model	B1	B2	B3	B4	B5	B6	B7	N
RD 5000 BK	175.7	152.7	133.7/132.7	129.7/128.7	119.88	96.52	76.2	3
RD 6000 BK	226.5	203.5	184.5/183.5	180.5/179.5	170.68	147.32	127.0	5
RD 7000 BK	323.0	323.0	281.0/280.0	277.0/276.0	267.20	243.84	228.6	9

Wall brackets

Order designation

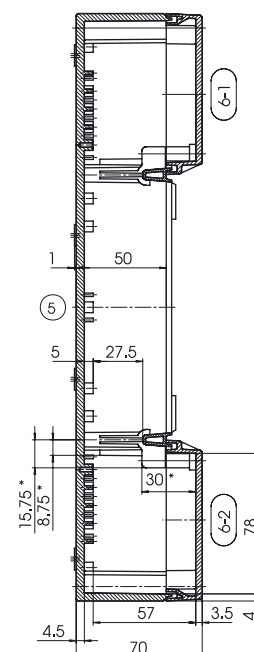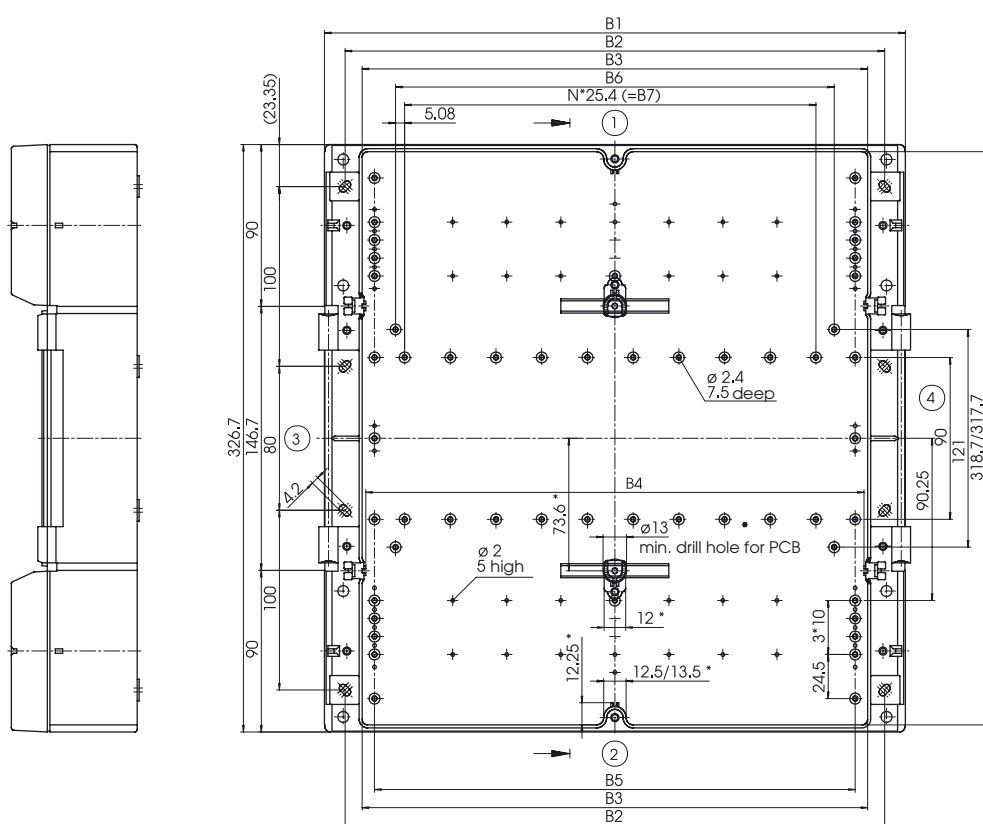| Model	Order no.	Description
WL 5670	79004600	Wall bracket for RD_000
WL 5670 K	79004700	Wall bracket for RD_000 K
WL 5670 BK	79004800	Wall bracket for RD_000 BK

Scope of delivery:
2 wall brackets including fixing material for screwing to the rear section

front section
1 base BC..-1
rear section
wall bracket

$F_{max} = 200N$

front section
2 bases BC..-1
rear section
wall bracket

$F_{max} = 150N$

front section
2 bases BC..-1
rear section
wall bracket

$F_{max} = 100N$
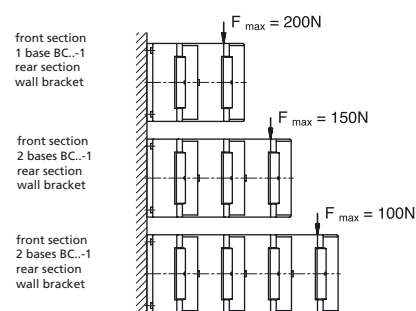
Table of dimensions

Model	B1	B2
RD 5000 (K) (BK)	192.7	152.7
RD 6000 (K) (BK)	243.5	203.5
RD 7000 (K) (BK)	340.0	300.0

Accessories described on pages 208-213.

B1
B2
B3
B6
N*25.4 (=B7)

5,08

① ②

(23.35)

90
100
80
100
90

326.7
146.7

318.7/317.7
121
90
90,25

④
⑤
③
4,2

ø 2.4
7.5 deep

B4
73,6 *

ø13
min. drill hole for PCB

ø 2
5 high

12 *
12,25 *
12,5/13,5 *

24,5
3*10

B5
B3
B2

6-1

1   50
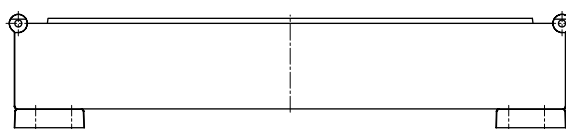
5   27,5

15,75 *
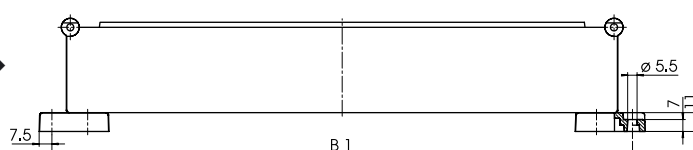8,75 *

30 *

6-2
78

4,5
57   3,5
70
4

* central fixing point for terminal
compartment cover only with
RD 7000 BK   Z-2101290

mounted as a distance piece ▶

WL 5670

mounted as a wall bracket ▶

ø 5.5

7
1
7.5
B 1
10.5

90
90
(13.35)
120
146.7
(13.35)
90
90

B2

80
100
80
100
80

(13.35)
120
146.7
(13.35)

(13.35)
120
146.7
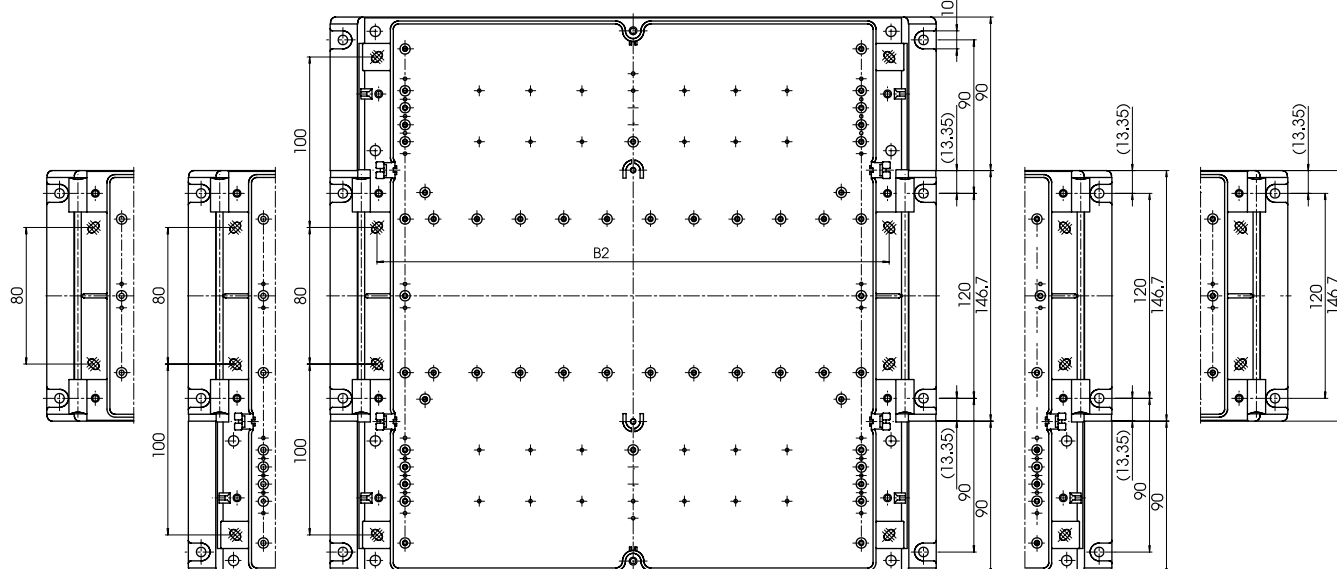
Z-2101299

CombiCard 5000-7000 accessories

Material: anodized aluminium

Material: anodized aluminium

The handle can be fitted to the BC_000 -1, BC_000 -1.5 and to the rear section RD_000.
In addition to its standard carrying function, the handle can also be used as a swivelling set-up handle (fixed locking position at 30° intervals).

Front panels, internal for BC.../RD...

Order designation		Table of dimensions	
Model	Order no.	B1	B2
FP 5000 l	79004000	133.3	119.88
FP 6000 l	79004100	184.1	170.68
FP 7000 l	79004200	280.6	267.20
BS 5670	79005500	Fixing kit for FP_000 l in RD...	

Scope of delivery:
FP_000 I without fixing screws; for fixing screws, see accessories starting on page 576.
A fixing kit BS 5670 is also required for fitting front panels FP_000 I in the rear section. This elevates the front panel in the rear section.
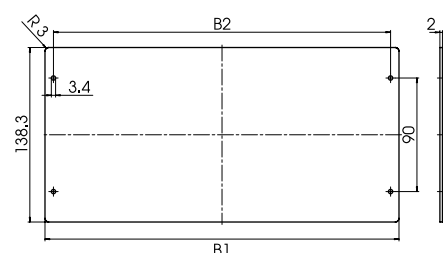
Z-2101298

Front panels for FO...

Order designation		Table of dimensions			
Model	Order no.	B1	B2	B3	N
FP 5000 Al	79004300	128.1	122.1	80	1
FP 6000 Al	79004400	178.9	172.9	160	2
FP 7000 Al	79004500	275.4	269.4	240	3

The fixing screws are included with the front frame FO_000.
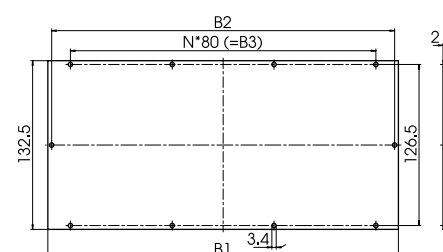
Z-2101297

Handle

Order designation	
Model	Order no.
HS 5000	79605020
HS 6000	79606020
HS 7000	79607020
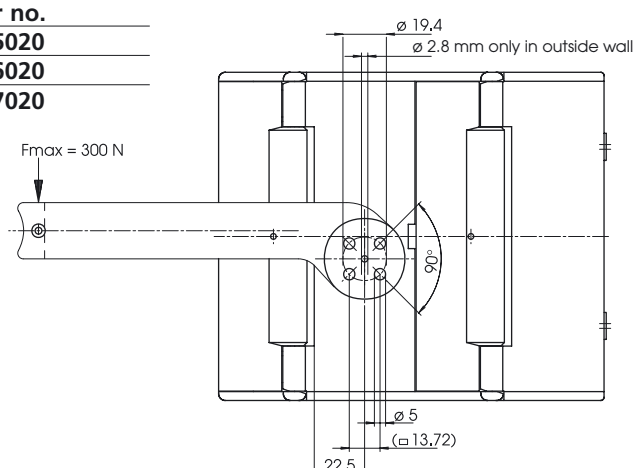
Z-2101630

210

Lock bolts for bases to lock fastening function

Order designation

Model	Order no.	Application
SR 5670 -0.5	79004900	BC...(L)-0.5
SR 5670 -1	79005010	BC...(L)-1
SR 5670 -1.5	79005100	BC...(L)-1.5

SR: The lock bolts can be used to ensure that the hinged quick-release fastenings cannot be opened when the enclosure is closed. The lock bolt can only be moved and the hinged quick-release fastening opened <u>after</u> this enclosure system part has been removed. This protects a unit against unauthorized access, or restricts the hinged quick-release fastening to the hinge function.
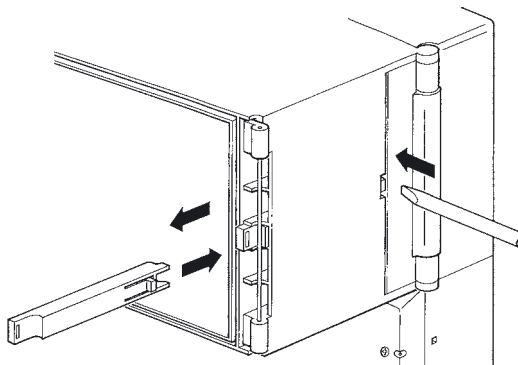
Scope of delivery: 2 pieces

Lock cover / hinged quick-release fastening

Order designation

Model	Order no.	Application
VA 5670	79005300	FD...(G)
SV 5670	79005400	FO/FR

Lock cover VA
for clipping onto the hinge side at the front lid FD... (G)
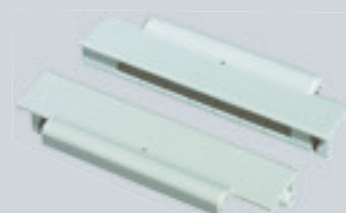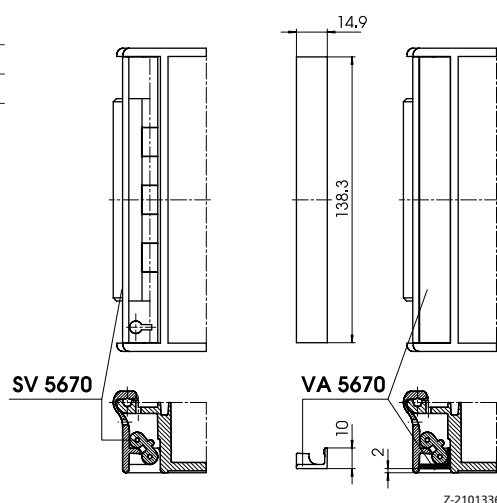**Scope of delivery:** 2 pieces

Hinged quick-release fastening SV
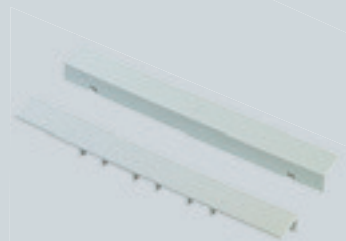for conversion of front frames
FR and FO
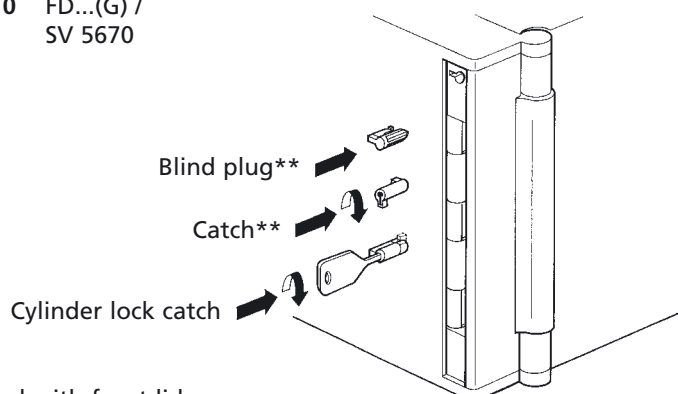**Scope of delivery:** 2 pieces
1 catch*
1 blind plug*

SV 5670

VA 5670

14.9

138.3

SV 5670   VA 5670

10

2

Z-2101336

Cylinder catch

Order designation

Model	Order no.	Application
SHLO-302	21008310	FD...(G) / SV 5670

Blind plug**

Catch**

Cylinder lock catch

Cylinder catch
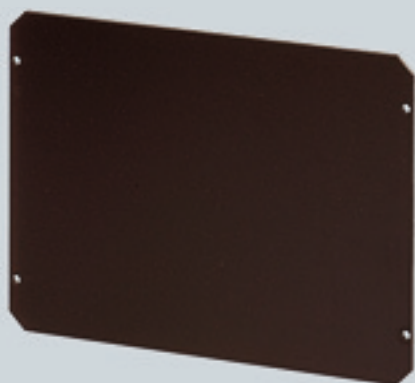
** Supplied as standard with front lid
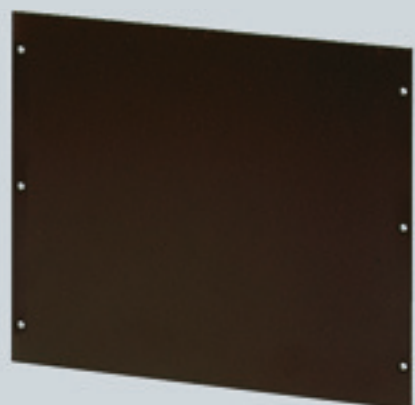
CombiCard 5000-7000 accessories

Material: laminated paper 2 mm

Material: laminated paper 2 mm

Material: laminated paper 2 mm

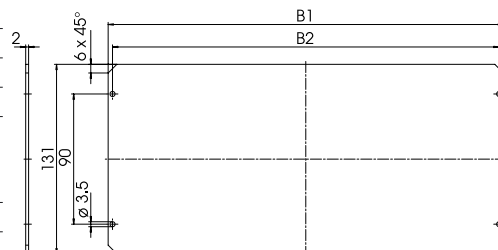## Mounting plates for RD... and BC...(L)-...

Order designation

Model	Order no.
M 5000	80050000
M 6000	80060000
M 7000	80070000

Table of dimensions

Model	B1	B2
M 5000	125.88	119.88
M 6000	176.68	170.68
M 7000	273.20	267.20

For fixing screws, see accessories
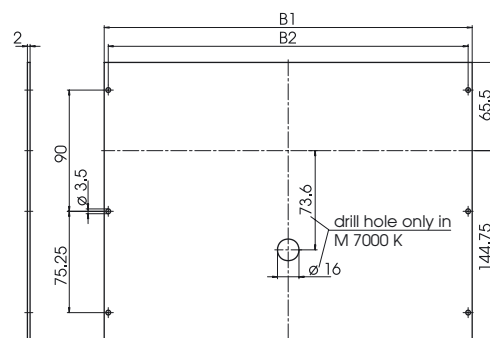starting on page 642.

Z-2101328

Mounting plates for RD...K

Order designation

Model	Order no.
M 5000 K	80050100
M 6000 K	80060100
M 7000 K	80070100

Table of dimensions

Model	B1	B2
M 5000 K	125.88	119.88
M 6000 K	176.68	170.68
M 7000 K	273.20	267.20

For fixing screws, see accessories
starting on page 642.

drill hole only in M 7000 K

Z-2101329

Mounting plates for RD...BK

Order designation

Model	Order no.
M 5000 BK	80050200
M 6000 BK	80060200
M 7000 BK	80070200

Table of dimensions

Model	B1	B2
M 5000 BK	125.88	119.88
M 6000 BK	176.68	170.68
M 7000 BK	273.20	267.20

For fixing screws, see accessories
starting on page 642.

drill hole only in M 7000 BK

Z-2101330

DIN rails

Order designation

Model	5000	6000	7000	Design
	Order no.	Order no.	Order no.	
TS 15...1	22151301	22151801	22152801	Top hat rail DIN EN 60715 TH15
TS 32...1	22321301	22321801	22322801	Top hat rail DIN EN 60715 G 32
TS 35...1	22351301	22351801	22352801	Top hat rail DIN EN 60715 TH35

For fixing screws, see accessories
starting on page 642.

Table of dimensions

For model	Length
5000	130
6000	180
7000	280
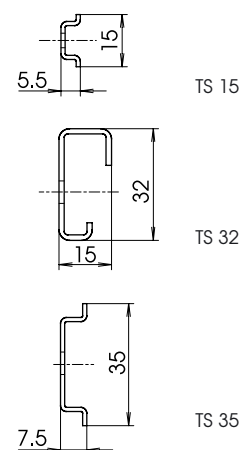
Z-2001663

Dimensioning acc. to VDE 0611 Part 1 / DIN EN 60947-7-1

Possible terminal assignment

Model	Phoenix			Weidmüller	
	MBK 2.5	MBK 5	MBK 10	AKZ 1.5	AKZ 4
V ~	500.0	500.0	500.0	400.0	500.0
A	19.5	35.0	46.0	17.5	32.0
mm²	1.5	4.0	6.0	1.5	4.0
RD 5000, RD 5000 K	15.0	12.0	10.0	14.0	12.0
RD 5000 BK	30.0	24.0	20.0	28.0	24.0
RD 6000, RD 6000 K	20.0	18.0	14.0	20.0	16.0
RD 6000 BK	40.0	36.0	28.0	40.0	32.0
RD 7000, RD 7000 K	40.0	34.0	28.0	38.0	32.0
RD 7000 BK	80.0	68.0	56.0	76.0	64.0

Terminal accessories

End-angle pieces	2	2	2	2	2
Back plates	–	–	–	1	1

Attention:

central fixing points
with RD 7000 K!

Z-2101486

If the terminals are soldered, the following numbers can be achieved:

Soldered terminals with 2.5 or 2.54 pitch

Model	single-row	double-row (double-deck terminals)
RD 5000, RD 5000 K	17	34
RD 5000 BK	34	68
RD 6000, RD 6000 K	26	52
RD 6000 BK	52	104
RD 7000, RD 7000 K	44	88
RD 7000 BK	88	176

Attention:

central fixing points
with RD 7000 K!

Z-2101487

All dimensions in mm. Please refer to technical data.   213