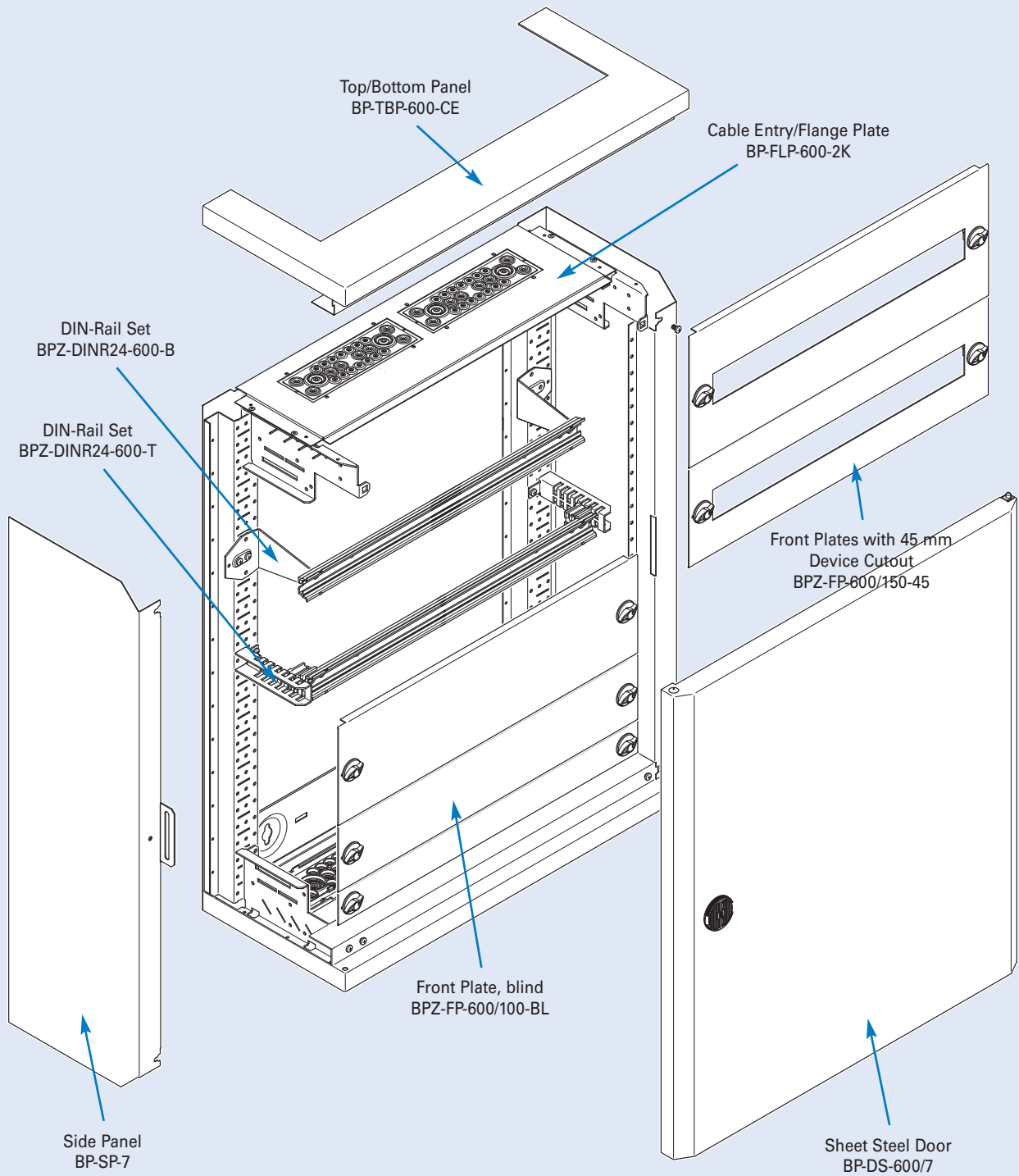


Distribution Boards

Wall-Mounted Surface Mounting Distribution Boards xBoard BP-O...(C)

System Overview



xBoard

Distribution Boards

Surface-Mounting Installation Distribution Boards, BP-O...(-C) (EW)

- Modular design
- Grounded metal covers
- Flat-pack or fully assembled
- Add-on options
- Generous wiring space
- Variable interior layout with/without removable mounting frame
- Structured, multilayer construction for easy accessible installation: base frame - DIN-rails ... - enclosure
- Reversible door hinging
- Type BP-O...-EW is equipped with a fireproof door (metal hinges and lock)

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP30
Rated voltage	415 VAC / 50Hz
Rated current	630 A
depending on the busbar support system	

Earth connections

Base frame	M5 earthing point screw
Side wall, top/bottom panel	M5 tapping screw
Door	M6 welding bolt

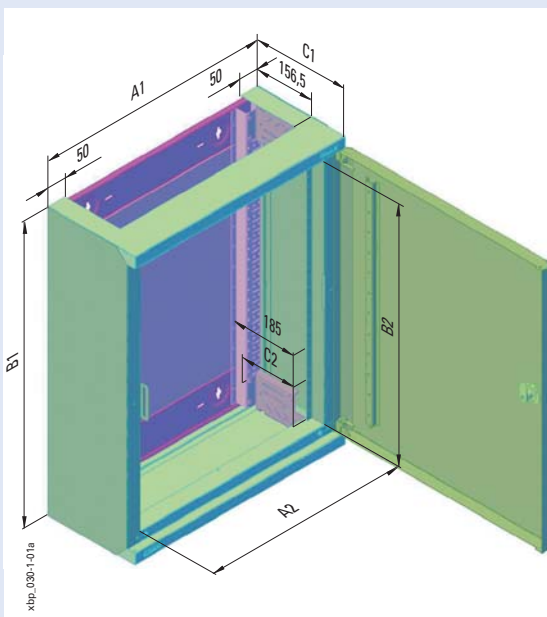
Max. power loss (W) for all devices in the dist. board at 35° C ambient temperature:

Height \ Width (mm)	400	600	800	1000	1200
460	74	101	129	-	-
760	104	137	156	-	-
1060	133	147	203	264	-
1260	118	170	232	302	374
1560	144	207	281	364	429

Mechanical

Material	Sheet steel
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035, white RAL 9016
Door	Doors with covered hinges, can be unhinged at an angle of more than 90° Opening angle: 167 degrees (60° in case of several dist. boards mounted next to each other)
Door lock	Hinged handle with rotary lock; cylinder lock; 3-point lock with clip down handle
Cable entry	Different covers permit cable entry from below and/or above
Shock resistant	IK07

Dimensions (mm)



Type	Outside dimensions				Inside dimensions (front plate)			Number of locks ²⁾
	Width A1	Height B1	Depth C1	Without door	Width A2	Height B2	Depth C2	
BP-...-400/4	400	460	262,5	249	320	350	153	1
BP-...-400/7	400	760	262,5	249	320	650	153	1
BP-...-400/10	400	1060	262,5	249	320	950	153	1
BP-...-400/12	400	1260	262,5	249	320	1150	153	1
BP-...-400/15	400	1560	262,5	249	320	1450	153	1
BP-...-600/4	600	460	262,5	249	520	350	153	1
BP-...-600/7	600	760	262,5	249	520	650	153	1
BP-...-600/10	600	1060	262,5	249	520	950	153	1
BP-...-600/12	600	1260	262,5	249	520	1150	153	1
BP-...-600/15	600	1560	262,5	249	520	1450	153	1
BP-...-800/4	800	460	262,5	249	720	350	153	1
BP-...-800/7	800	760	262,5	249	720	650	153	1
BP-...-800/10	800	1060	262,5	249	720	950	153	1
BP-...-800/12	800	1260	262,5	249	720	1150	153	1
BP-...-800/15	800	1560	262,5	249	720	1450	153	1
BP-...-1000/10	1000	1060	262,5	249	920	950	153	1 ³⁾
BP-...-1000/12	1000	1260	262,5	249	920	1150	153	1 ³⁾
BP-...-1000/15	1000	1560	262,5	249	920	1450	153	1 ³⁾
BP-...-1200/12	1200	1260	262,5	249	1120	1150	153	1 ³⁾
BP-...-1200/15	1200	1560	262,5	249	1120	1450	153	1 ³⁾

¹⁾ Door lock +8 mm

²⁾ Number of hinge cut-outs for rotary handles. doors with clip down handle also available.

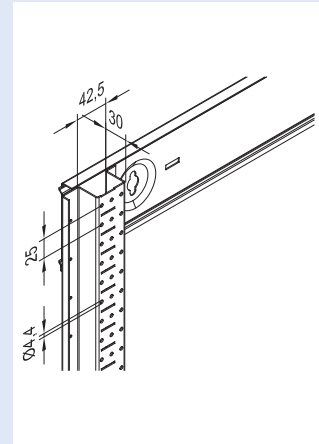
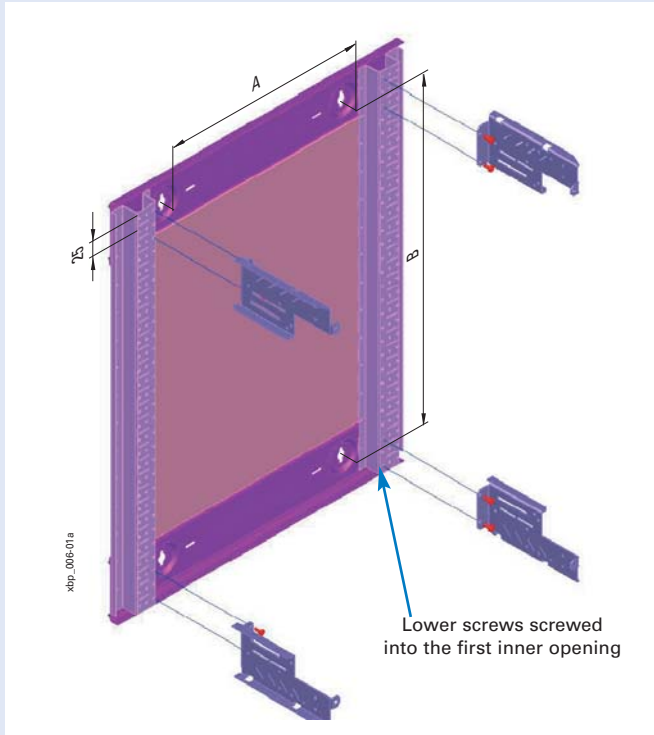
³⁾ Number of locks for the right door. Left door contains two rotary handles in all dimensions.

Distribution Boards

Surface-mounting distribution boards Profi Plus IP30 - components

Base frames, BP-MF

- Add-on design
- Symmetrical layout
- Consistent system perforation pattern (25 mm grid)
- Material: sheet steel, zinc-coated
thickness 1 mm
- Scope of delivery: 1 base frame, 4 towers, fixing material



Width [mm]	A	Height [mm]	B
400	173	460	342,5
600	373	760	642,5
800	573	1060	942,5
1000	773	1260	1142,5
1200	973	1560	1442,5

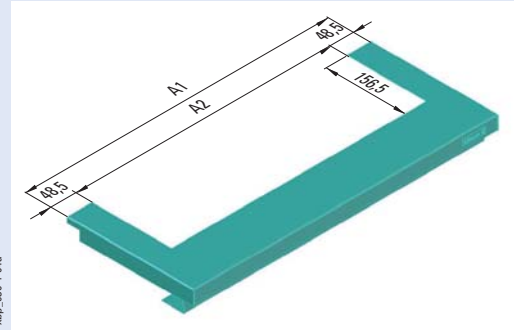
Distribution Boards

Top / bottom panels, BP-TBP

- The top/bottom panels are used as covers for the cabinet
- With or without cable entry cutout
- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016 thickness 1 mm
- Scope of delivery: 1 top panel, 1 bottom panel, fixing material

Dimensions [mm]

Type	Depth	Without cutout		With cutout	
		Outside width	Inside width	Outside width	Inside width
BP-TBP-400	249	A1	A2	A1	A2
BP-TBP-600	249	400	–	400	300
BP-TBP-800	249	600	–	600	500
BP-TBP-1000	249	800	–	800	700
BP-TBP-1200	249	1000	–	1000	900
BP-TBP-1200	249	1200	–	1200	1100



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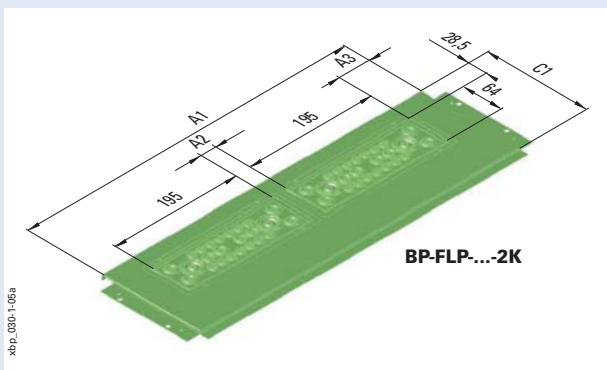
Cable entry / flange plates, BP-FLP

- Blind plate for closing the cable entry
- Cable entry plate with pass-through flange 2K (pre-fitted)
- Cable entry plate designed for F3A flange
- Mounting into BP-TBP...-CE panels
- Can be used also for floor-standing board IP30
- Material: sheet steel, powder-coated, RAL 7035 thickness 1 mm
- Scope of delivery: 1 cable entry/flange plate, fixing material

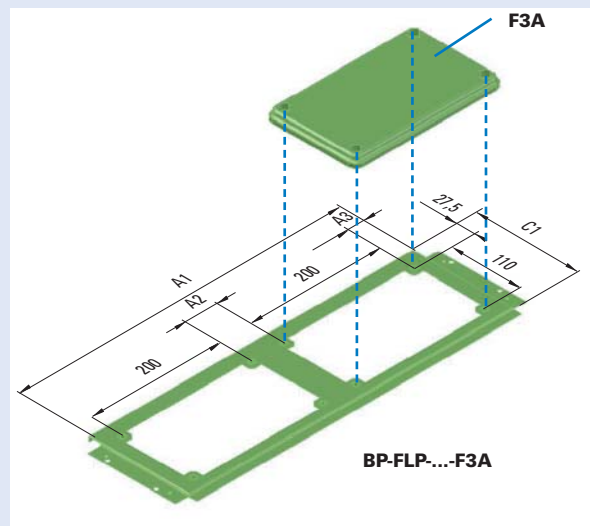
Dimensions [mm]

Type	A1	A2	A3	C1	Number of flanges
BP-FLP-400-BL	300	–	–	155	–
BP-FLP-400-2K	300	–	51,95	155	1
BP-FLP-600-BL	500	–	–	155	–
BP-FLP-600-2K	500	18	45,45	155	2
BP-FLP-800-BL	700	–	–	155	–
BP-FLP-800-2K	700	18	38,95	155	3
BP-FLP-1000-BL	900	–	–	155	–
BP-FLP-1000-2K	900	18	31,45	155	4
BP-FLP-1200-BL	1100	–	–	155	–
BP-FLP-1200-2K	1100	18	25,95	155	5

Type	A1	A2	A3	C1	Number of openings for F3A flanges
BP-FLP-400-F3A	300	–	44,45	155	1
BP-FLP-600-F3A	500	40	19,45	155	2
BP-FLP-800-F3A	700	22	12,45	155	3
BP-FLP-1000-F3A	900	11,33	12,45	155	4
BP-FLP-1200-F3A	1100	6	12,45	155	5



xbp_030-1-06a



xbp_030-1-06a

Distribution Boards

Insertion Flanges

- Scope of delivery: 1 Flange

F3A

VT17407



F3A-0

Blind flange

VT17507



F3A-4

4xM16, 6xM25/16, 8xM32/20

VT17307



F3A-8

2xM20, 8xM25/16, 4xM32/20,
1xM50/32

VT17607



F3A-12

2xM16, 12xM20, 2xM40/25, 2xM50/32

VT17707



F3A-34

24xM16, 13xM20

VT17807



F3A-KTD

2 grommets for cables
up to Ø 70 mm

VT17207

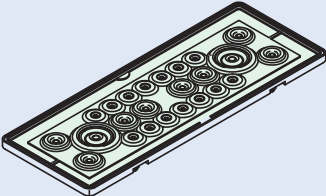


F3A-D

Cellular rubber pass-through flange, 40 cables Ø 10-13 mm,
4 cables Ø 17-21 mm, 2 cables Ø 27-30 mm

Pass-through Flange, ZSD-2K/FLA

Mas_ZSD_FL A



14x Ø 11 mm
8x Ø 15 mm
2x Ø 28 mm

Shift-back Flange, PB-FLP...-VS

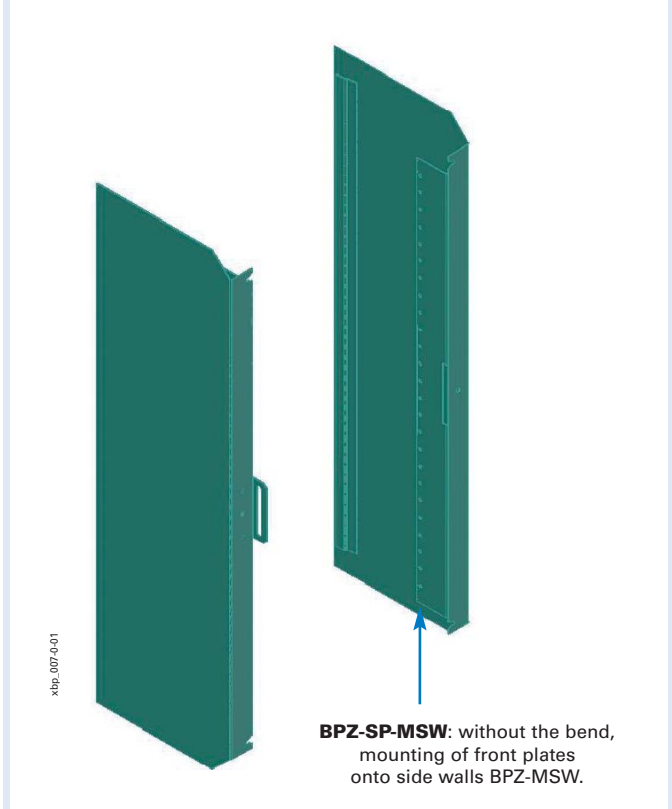
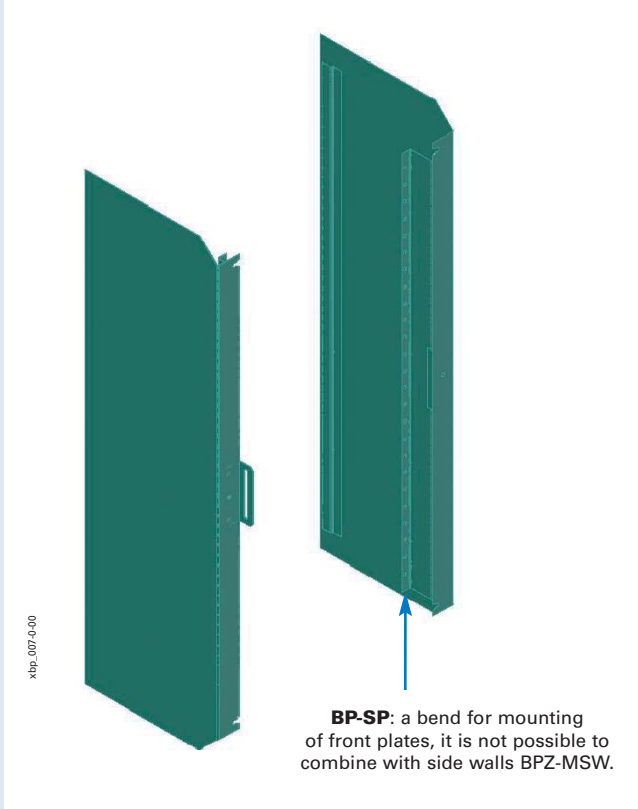
VT19208



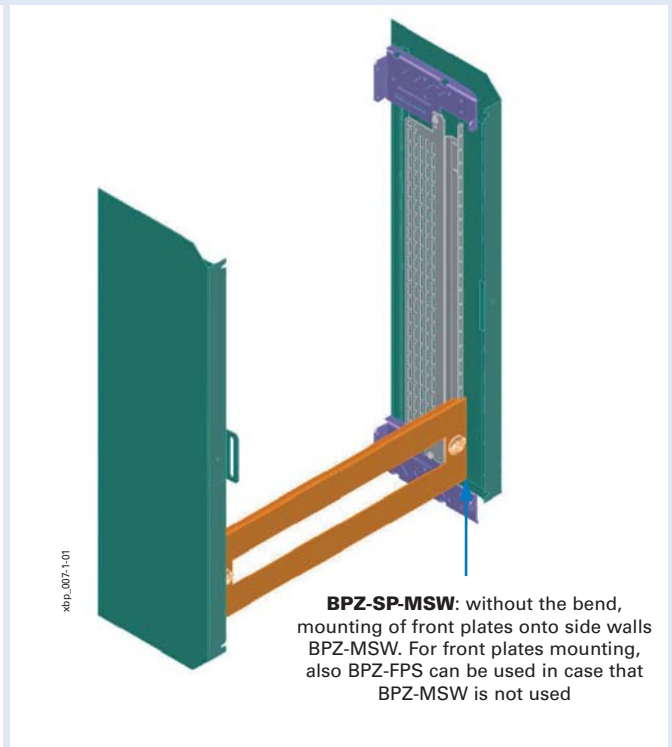
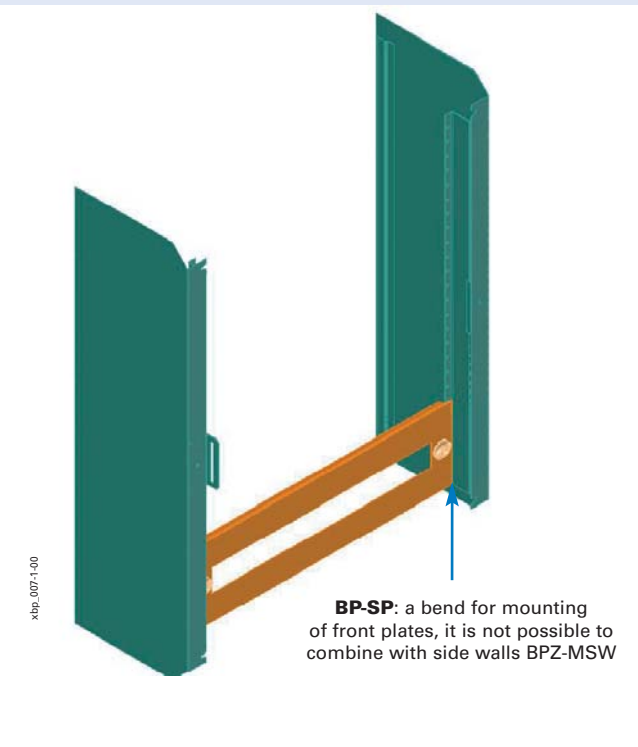
Distribution Boards

Side panels BP-SP, BPZ-SP-MSW

- Side panels are used as part of cover for the cabinet
- 2 variants (for mounting with / without BPZ-MSW)
- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016
thickness 1 mm
- Scope of delivery: 2 side panels



Mounting of front plates BPZ-FP into side panels BP-SP

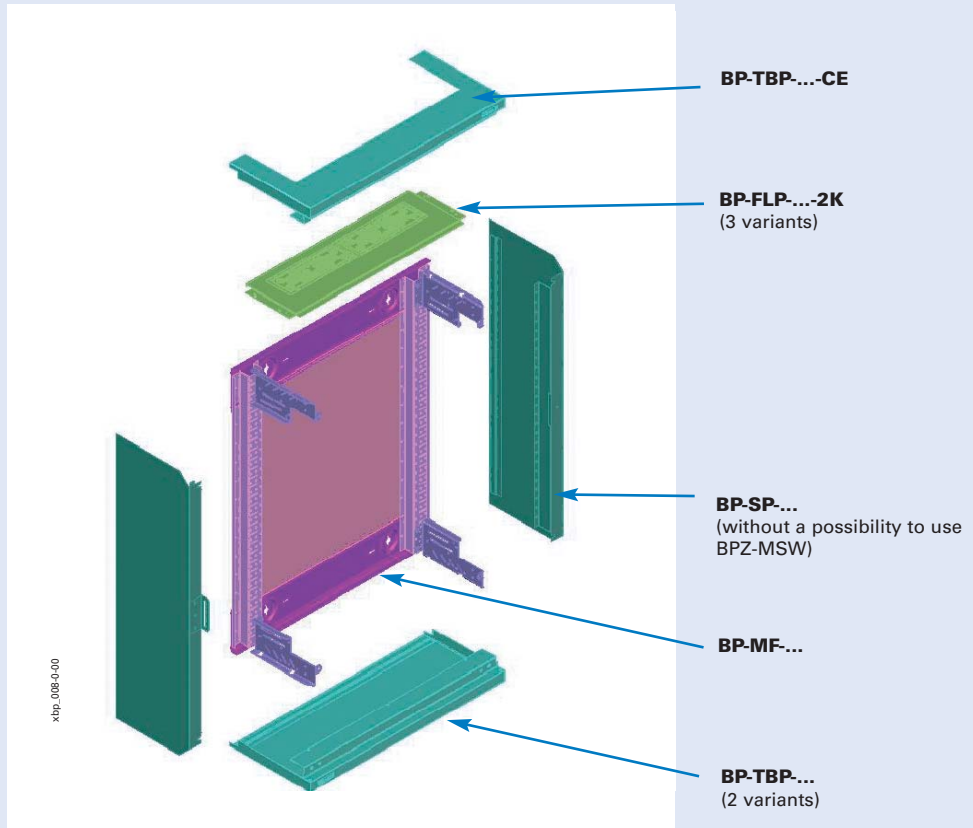


Distribution Boards

Assembling of surface-mounted board IP30

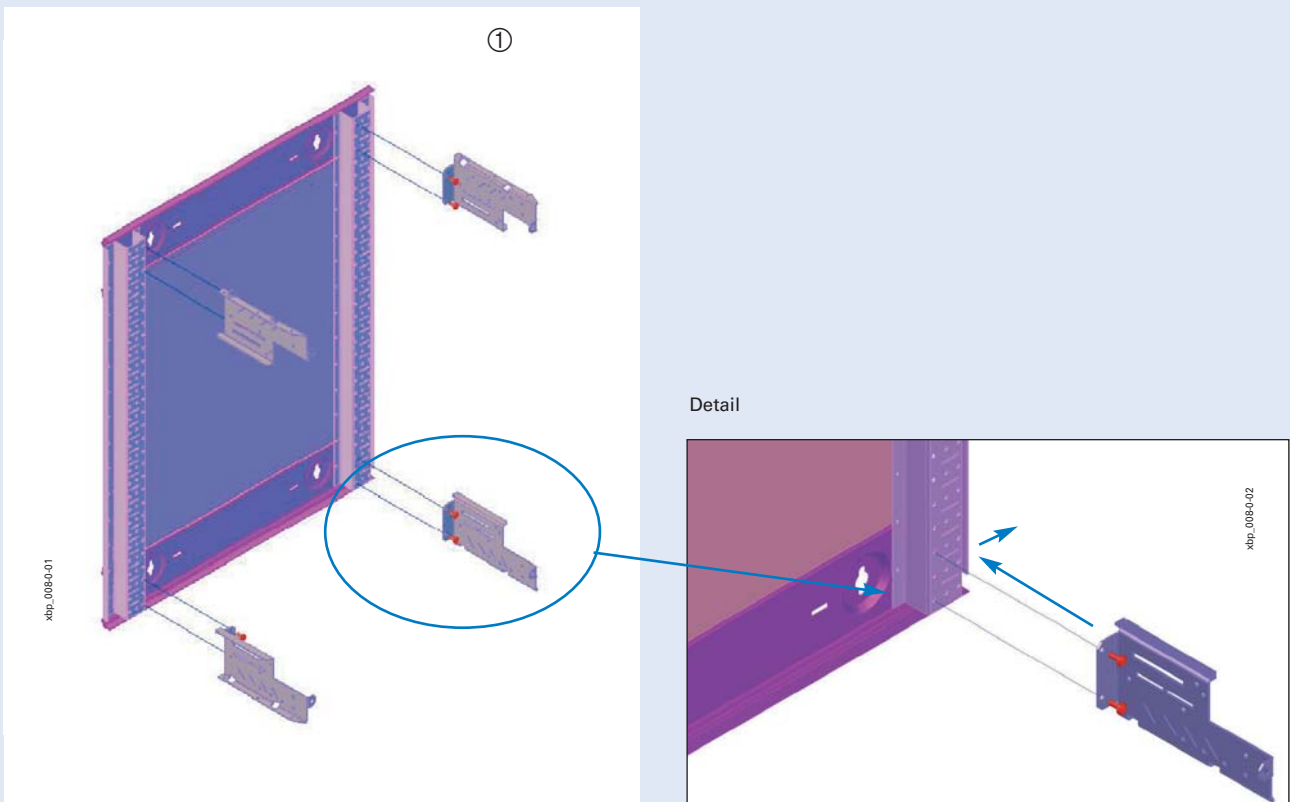
Board without a possibility of installation of mounting frame BPZ-MSW

Without side wall BPZ-MSW



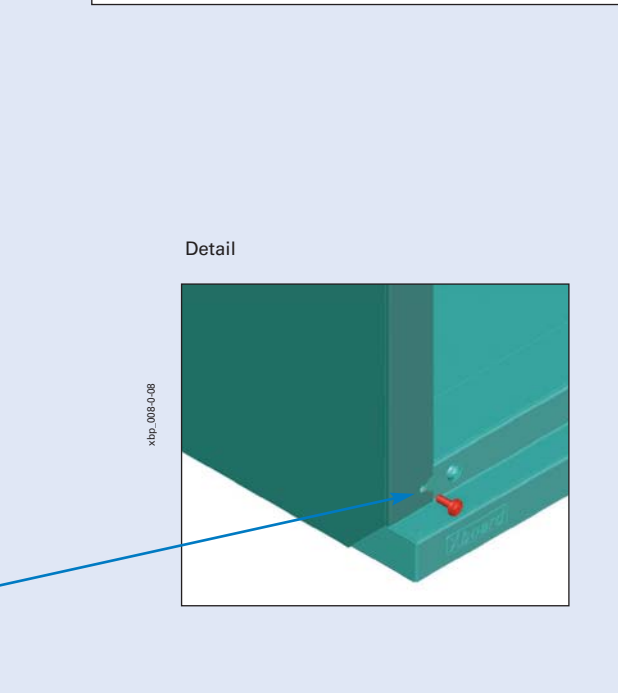
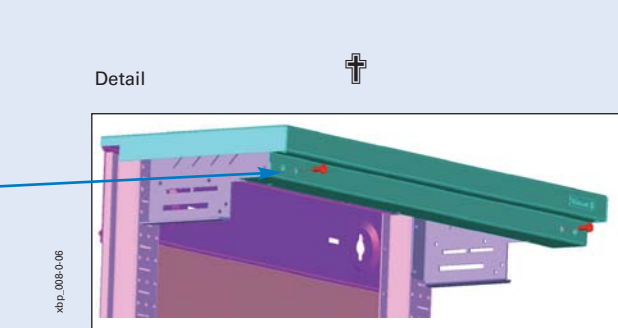
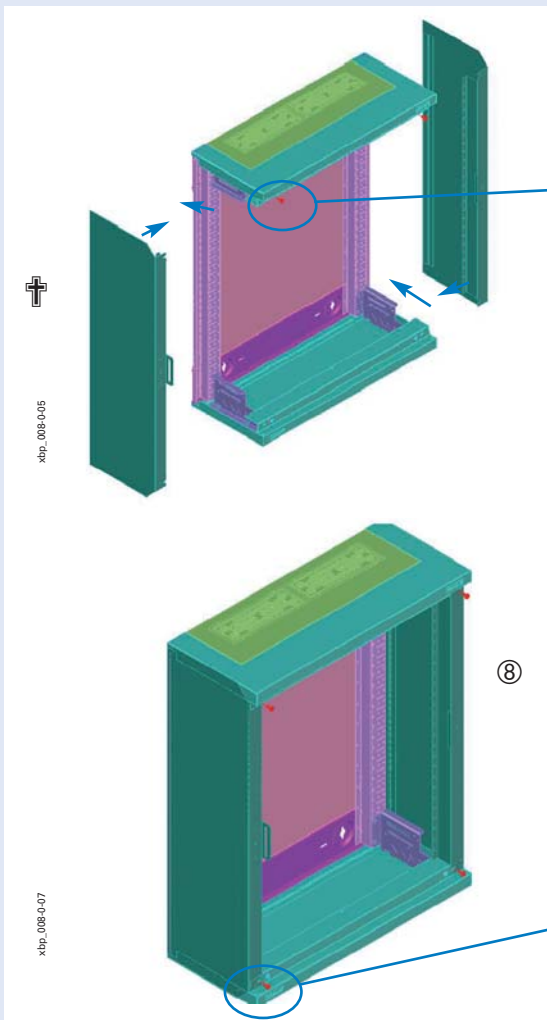
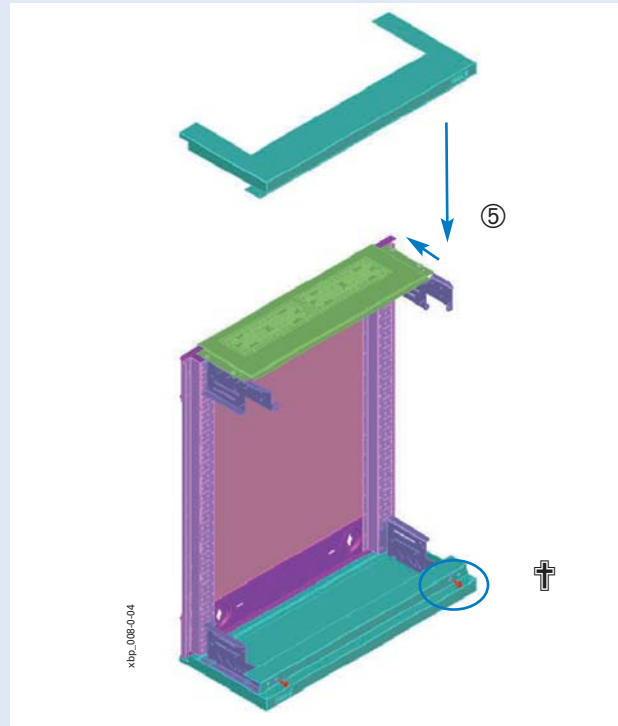
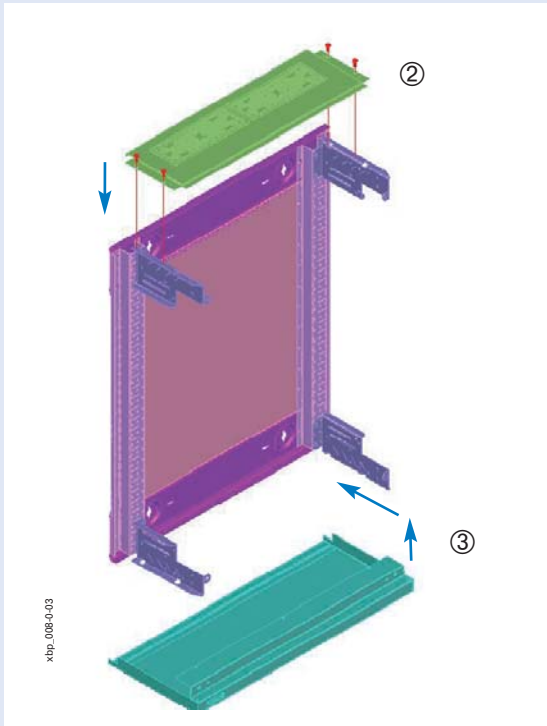
Mounting process:

1. Mounting of towers BPZ-CTS-L onto base frame BP-MF. Towers BPZ-CTS-L are in a scope of delivery of the frame BP-MF.



Distribution Boards

2. Assembly of cable entry plates BP-FLP onto towers BPZ-CTS-L
3. Assembly of top / bottom panel without cutout (if used)
4. Fixing of top / bottom panel without cutout into towers BPZ-CTS-L by means of screws
5. Addition of cable entry plate with top / bottom panel
6. Fixing of top / bottom panel with cutout into towers BPZ-CTS-L by means of screws
7. Assembly of side panels BP-SP
8. Fixing of side panels BP-SP

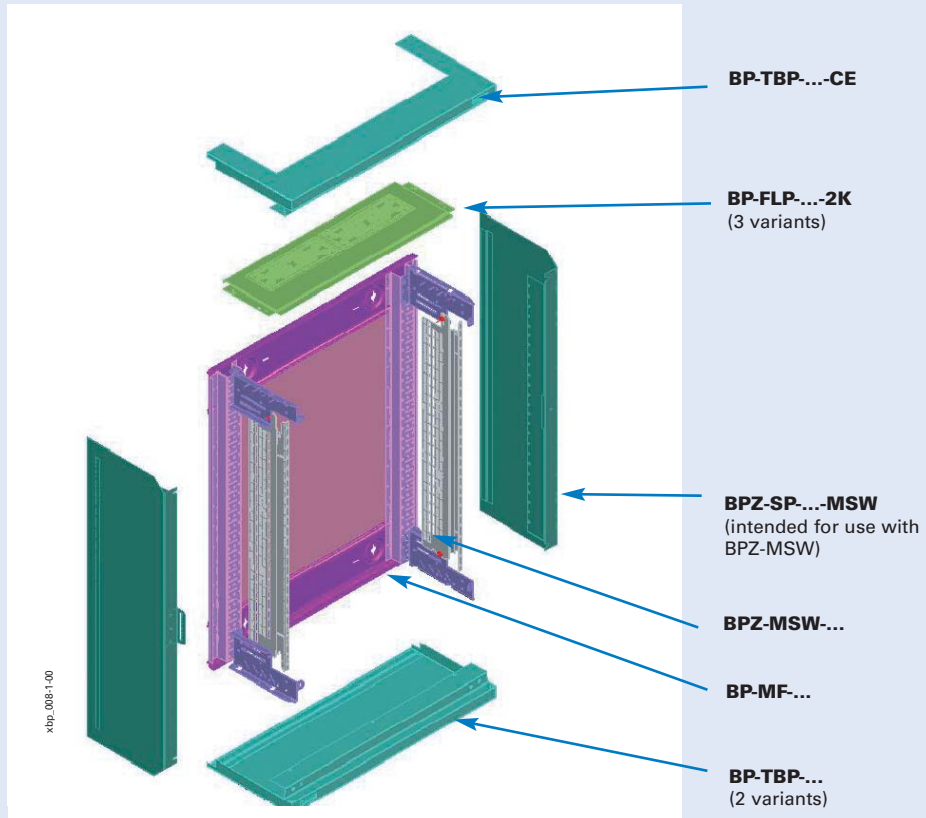


Distribution Boards

Assembling of surface-mounted board IP30

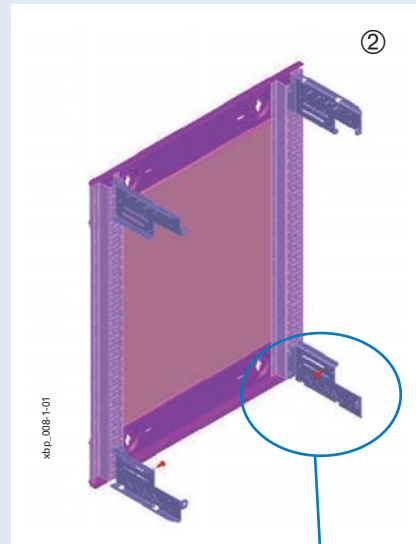
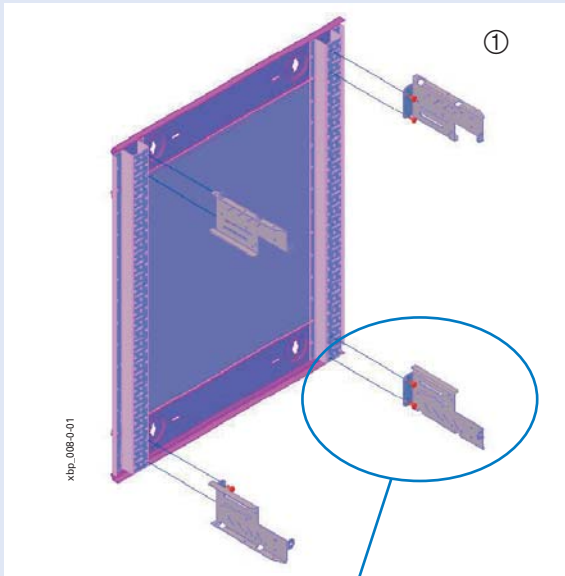
Board for installation of mounting frame BPZ-MSW

With side wall BPZ-MSW

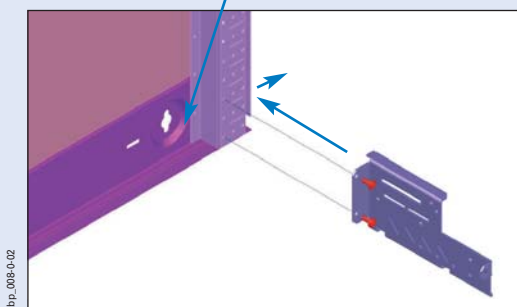


Mounting process:

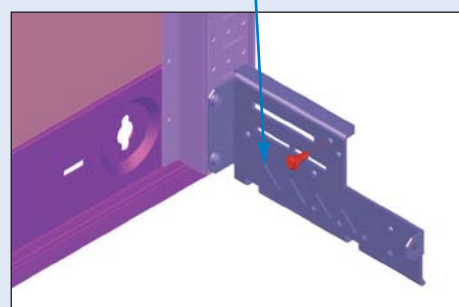
1. Mounting of towers BPZ-CTS-L onto base frame BP-MF. Towers BPZ-CTS-L are in a scope of delivery of the frame BP-MF.
2. Pre-screwing of a screw which creates bottom hitch for frame BPZ-MSW.



Detail



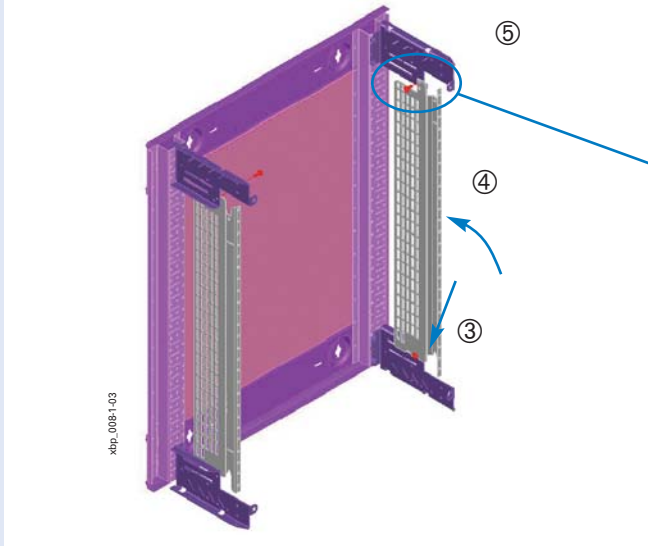
Detail



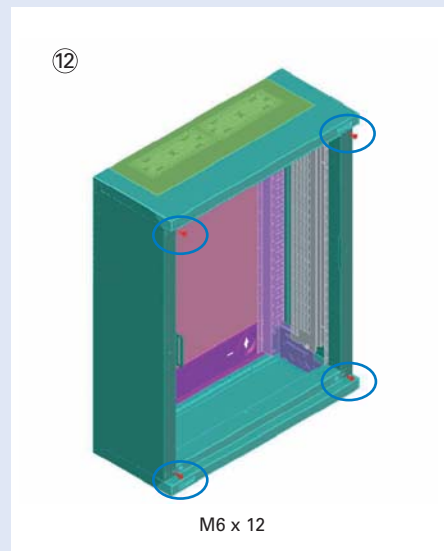
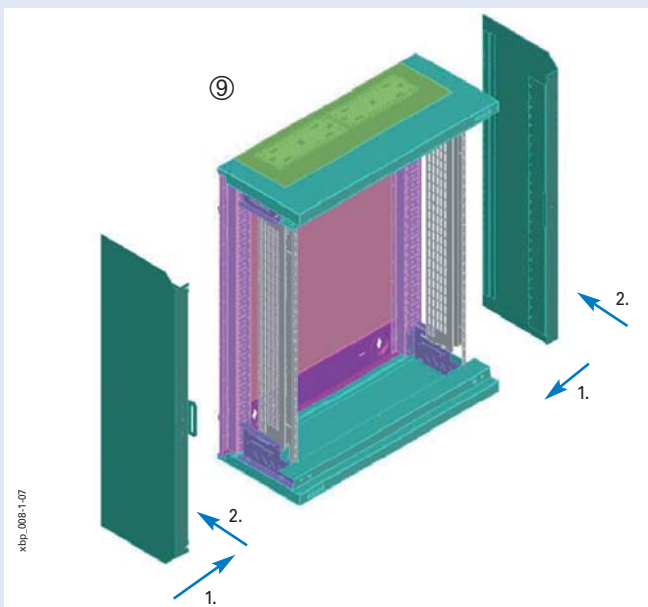
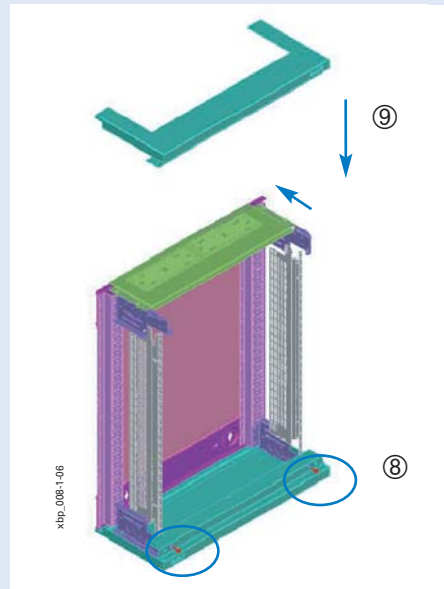
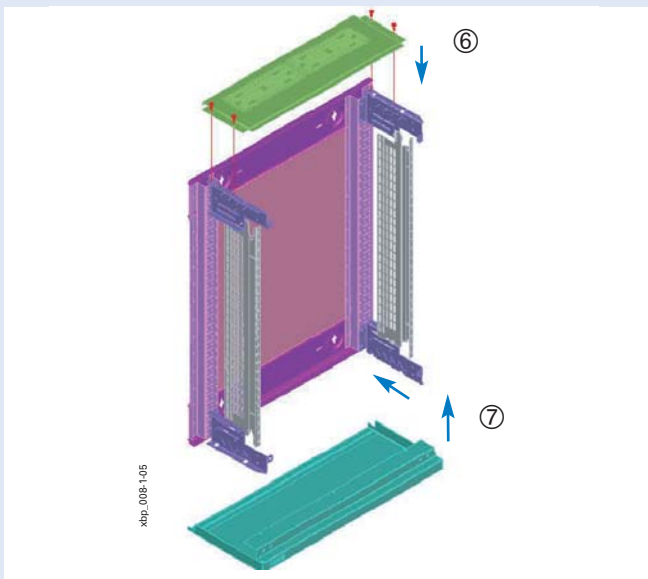
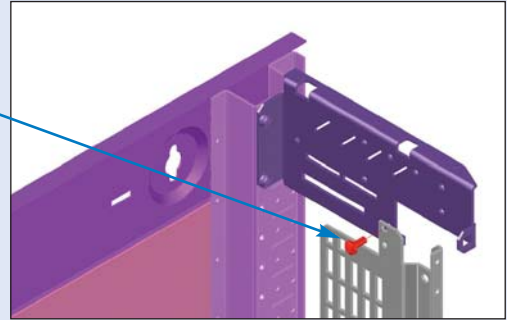
Distribution Boards

3. Placing of the frame from side walls BPZ-MSW on bottom hitch
4. Tipping of the side walls BPZ-MSW to correct position
5. Fixing of the frame with top hitch screw
6. Assembly of cable entry plates BP-FLP onto towers BPZ-CTS-L
7. Assembly of top / bottom panel without cutout (if used)
8. Fixing of top / bottom panel without cutout into towers BPZ-CTS-L by means of screws

9. Addition of cable entry plate with top / bottom panel
10. Fixing of top / bottom panel with cutout into towers BPZ-CTS-L by means of screws
11. Assembly of side panels BPZ-SP-MSW
12. Fixing of side panels BPZ-SP-MSW



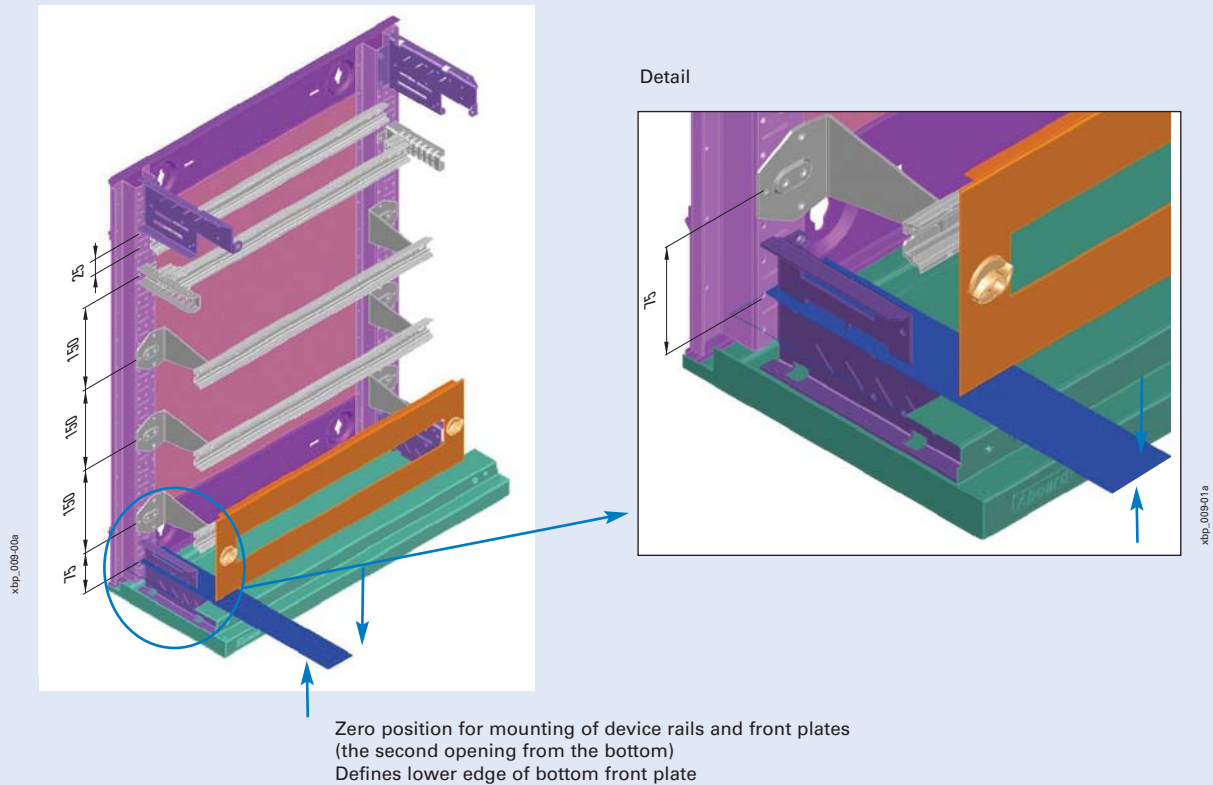
Detail



Distribution Boards

Zero position for mounting of front plates

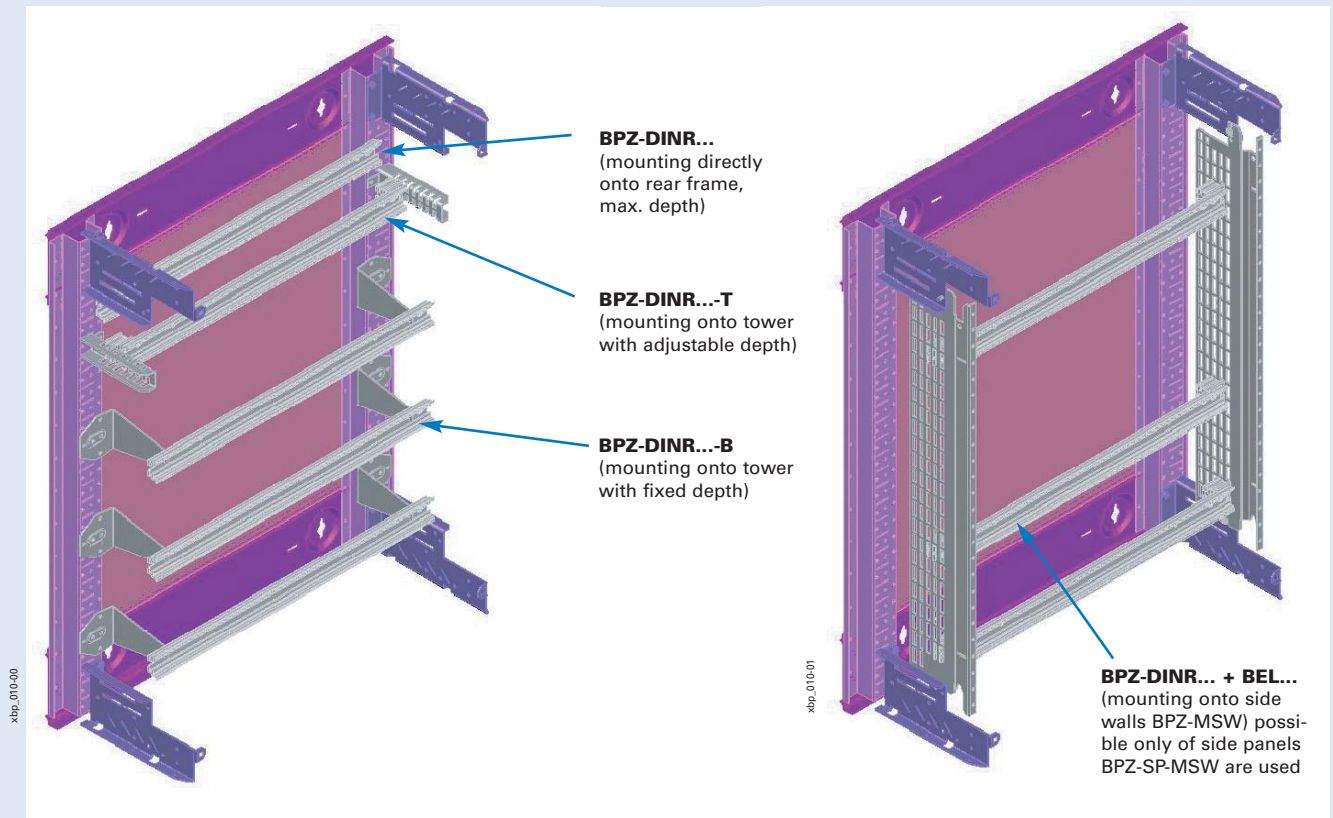
- Defines lower edge of the first bottom front plate - first step of assembly
- For standard front plate height 150 mm, the center of the first bottom device rail is located 75 mm above the zero position



Mounting of device rails

I. Rear mounting onto base frame

II. Mounting onto side walls BPZ-MSW



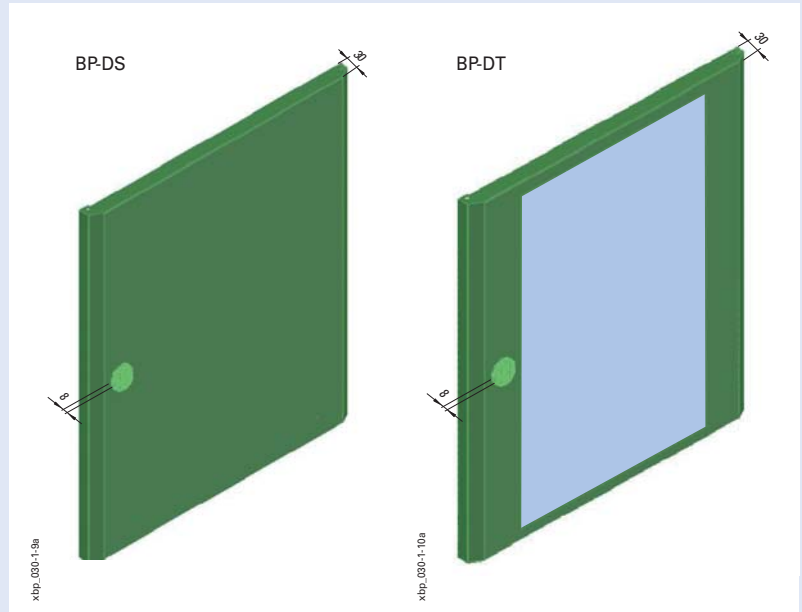
Distribution Boards

Sheet steel doors, BP-DS

- Front-mounted
- Quick mounting and removing of the door
- Right or left hinged
- Opening angle 167°
- 1-point lock through rotary lock, 3-point lock with clip down handle
- Material: sheet steel, powder-coated, RAL 7035 thickness 1 mm
- Scope of delivery: 1 door, set for earth connection

Transparent doors (sheet steel), BP-DT

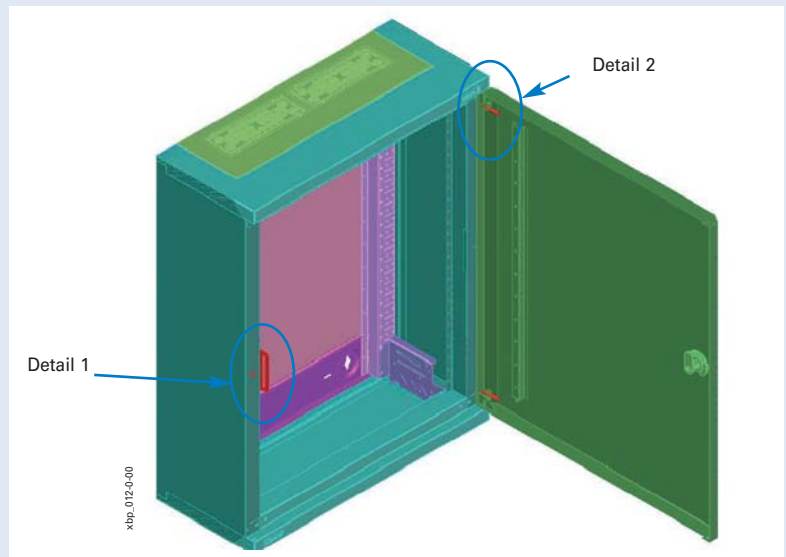
- Material: 2 mm of plexiglas



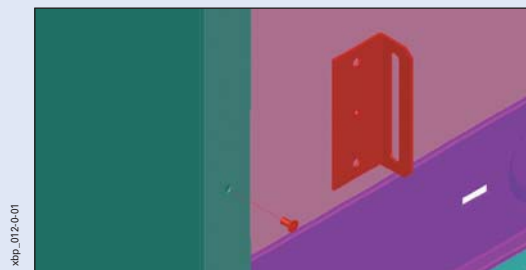
Mounting of door BP-DS

Mounting process:

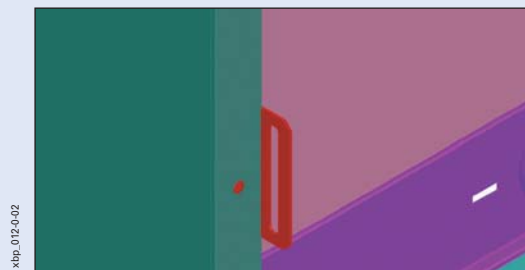
1. Mounting of lug for lock rod on the respective side (in scope of delivery of side panels)
2. Inserting of door at the opening angle about 90°
3. Inserting of hinge pins
4. Fixing of the pins in plastic bracket



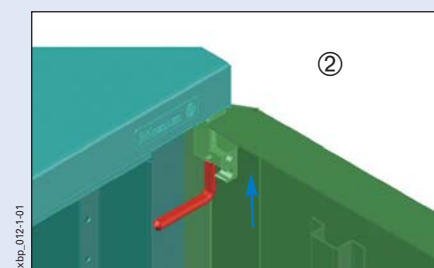
Detail 1



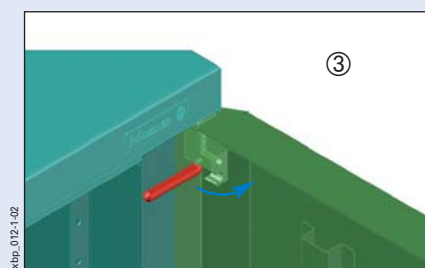
①



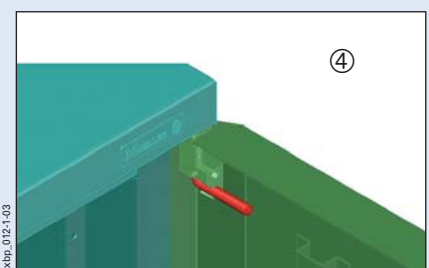
Detail 2



②



③



④

Distribution Boards

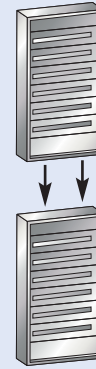
Horizontal/middle add-on connection element, BP-MFL

- For mounting distribution boards one on top of the other
- For surface mounting boards IP30
- Possible to combine with BP-MSL for cross combination of boards
- Material: sheet steel, powder-coated, RAL 7035
- Scope of delivery: 1 horizontal/middle add-on connection element, 2 mounting elements, fixing material

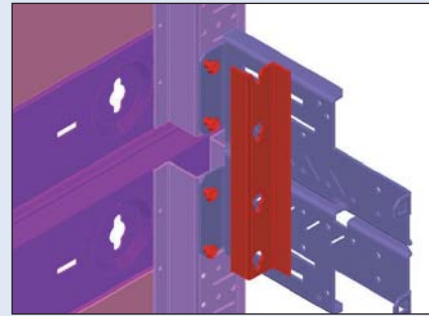
Mounting process:

- For a pair of boards, only one set of top / bottom panels is used

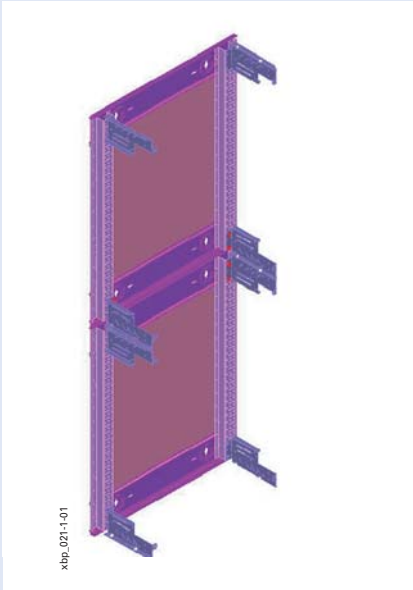
1. Placing of base frames BP-MF to correct position
2. Remove of screws of towers BPZ-CTS-L at sides near to boards connection
3. Put of mounting elements on the loosened screws
4. Tightening of fixing screws
5. Assembly of connection element
6. Fixing of connection element
7. Mounting of top and bottom panels BP-TBP
8. Mounting of side walls BP-SP, BPZ-SP-MSW
9. Mounting of doors BP-DS



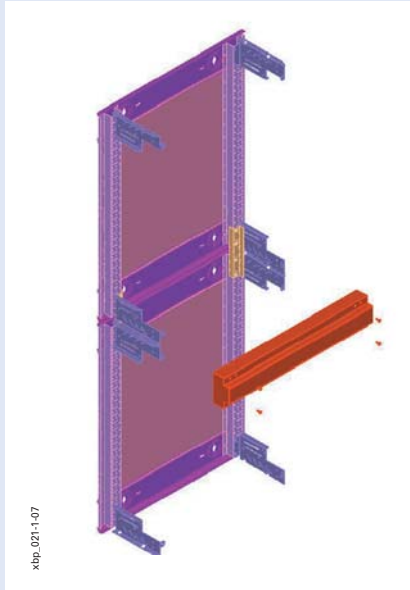
Detail



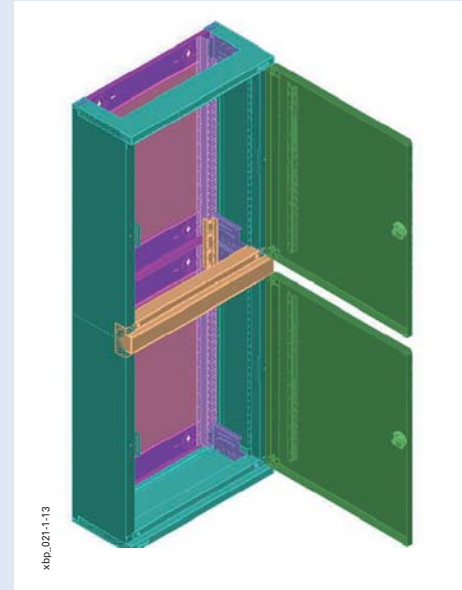
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xbp_021-1-07

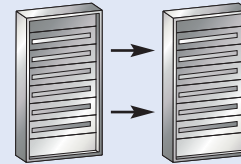


xbp_021-1-13

Distribution Boards

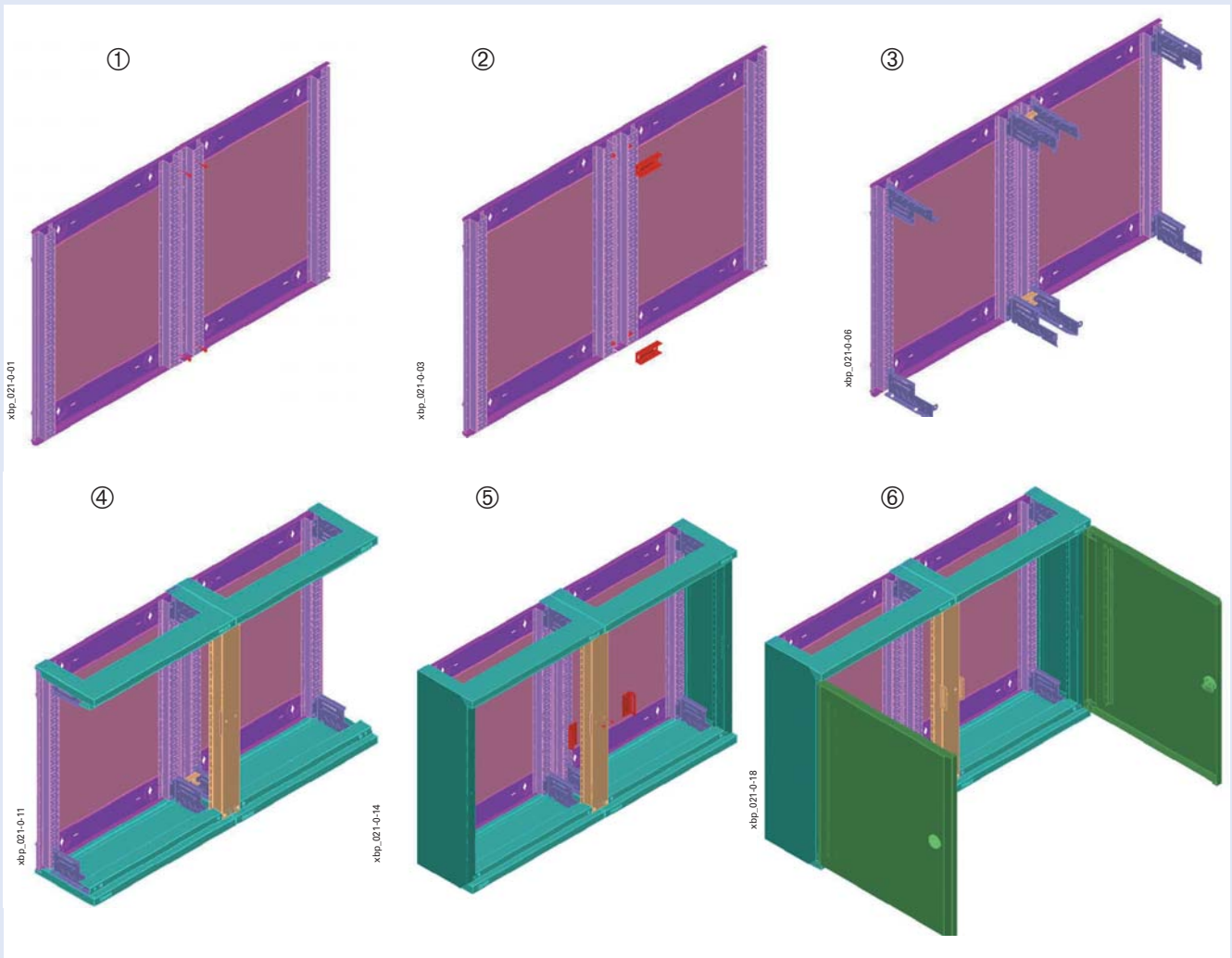
Vertical/middle add-on connection element, BP-MSL

- For mounting distribution boards one next to the other (in parallel)
- Possible to combine with BP-MFL for cross combination of boards
- Material: sheet steel, powder-coated, RAL 7035
- Scope of delivery: 1 vertical/middle add-on connection element, 2 mounting elements, fixing material



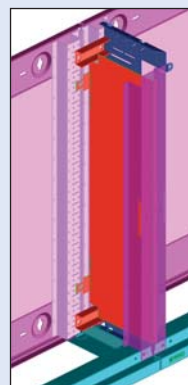
Mounting process:

- The process is identical for both BP-MSL and BP-MSL-MSW
 - For a pair of boards, only one set of side panels BP-SP, BPZ-SP-MSW is used
1. Placing of base frames BP-MF to correct position, pre-screwing of fixing screws
 2. Put of mounting elements and fixing of screws
 3. Mounting of towers BPZ-CTS-L onto base frame BP-MF. Towers BPZ-CTS-L are in a scope of delivery of the frame BP-MF.
 4. Mounting of top and bottom panels BP-TBP and pre-screwing of add-on connection element screws. Assembly of add-on element
 5. Connected pair of boards. Mounting of lugs for locks rods
 6. Mounting of doors
- To preserve maximum opening angle, both boards have to have opposite direction of door opening



Separation panel, BPZ-ASB

- Internal vertical separation between two sections
- Fixing on the rear frame
- Painted, grey RAL 7035



Distribution Boards

Surface-Mounting Installation Distribution Boards BPM-O...

- Excellent stability due to welded construction
- Grounded metal covers
- Generous wiring space
- Variable interior layout with/without removable mounting frame
- Structured, multilayer construction for easy accessible installation
- Reversible door hinging

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP54
Rated voltage	415 VAC / 50Hz
Rated current	630 A
depending on the busbar support system	

Earth connections

Base frame	M8 welding bolt
Door	M6 welding bolt

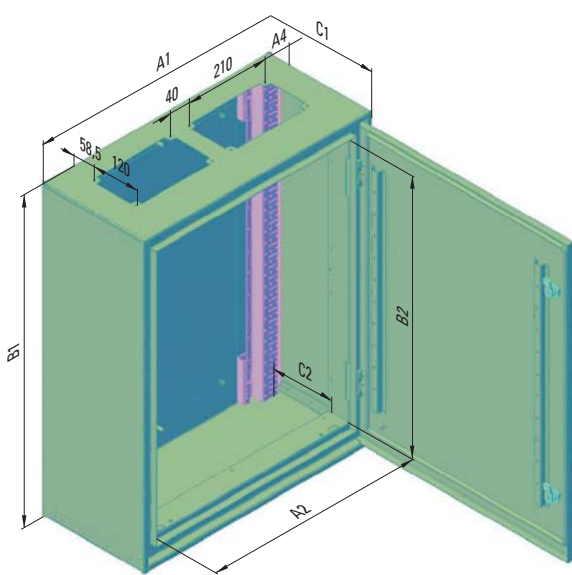
Max. power loss (W) for all devices in the dist. board at 35° C ambient temperature:

Height \ Width (mm)	400	600	800	1000	1200
460	76	105	134	-	-
760	106	140	161	-	-
1060	137	150	209	269	-
1260	121	174	239	308	386
1560	149	212	289	372	435

Mechanical

Material	Sheet steel
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035
Door	Doors with covered hinges, Opening angle: 100 degrees
Door lock	Two-way key bit; 3-point lock with clip down handle
Cable entry	Open cable entry, prepared for F3A-Flanges
Shock resistant	IK07

Dimensions (mm)



¹⁾ Number of hinge cut-outs for rotary handles. doors with clip down handle also available.

²⁾ Number of locks for the right door. Left door contains two rotary handles in all dimensions.

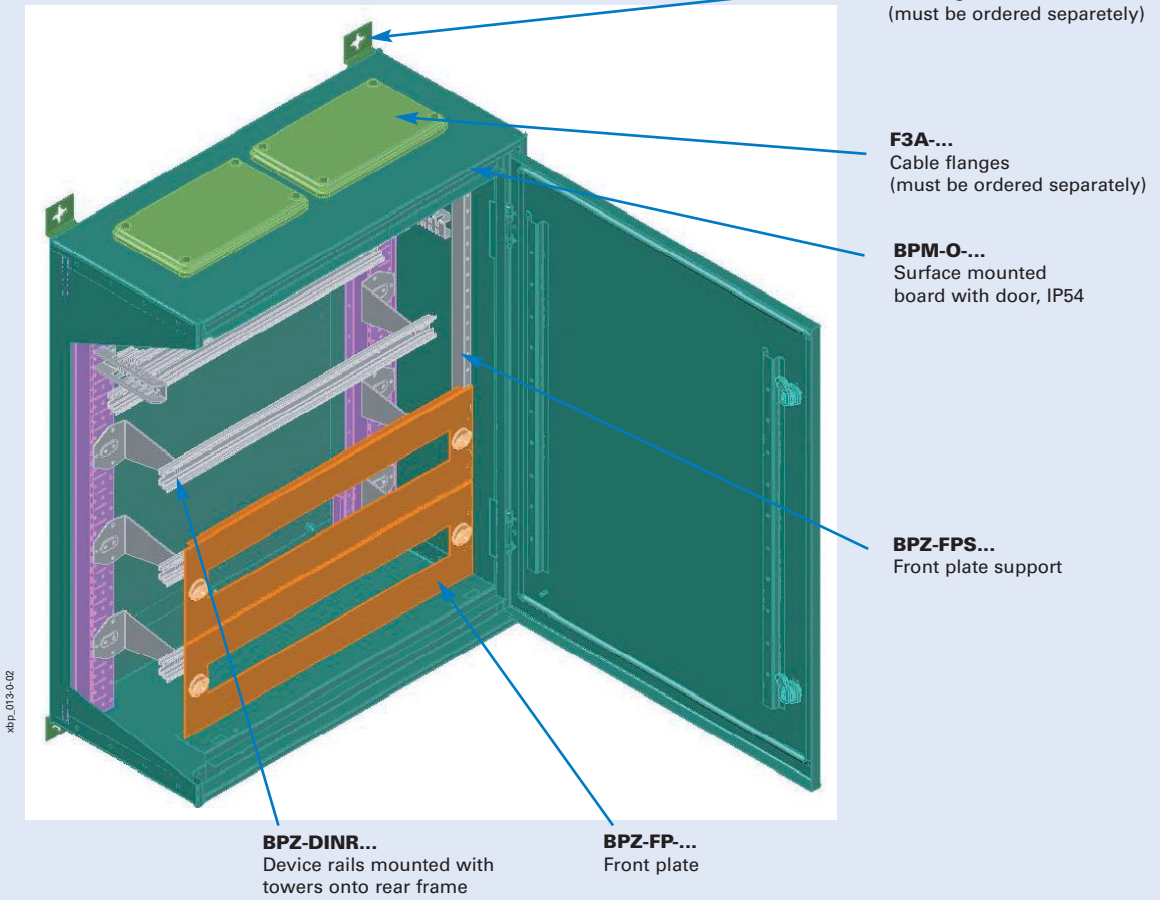
³⁾ Number of cut outs for F3A flanges on the top.

Type	Outside dimensions			Inside dimensions (front plate)			Mounting brackets - openings distance		Cable cutout A4	Amount of F3A flanges	Number of locks ¹⁾
	Width A1	Height B1	Depth C1	Width A2	Height B2	Depth C2	Width A3	Height B3			
BPM-O-400/4	400	460	270	320	350	155	340	500	94	1	1
BPM-O-400/7	400	760	270	320	650	155	340	800	94	1	2
BPM-O-400/10	400	1060	270	320	950	155	340	1100	94	1	3
BPM-O-400/12	400	1260	270	320	1150	155	340	1300	94	1	3
BPM-O-400/15	400	1560	270	320	1450	155	340	1600	94	1	3
BPM-O-600/4	600	460	270	520	350	155	540	500	69	2	1
BPM-O-600/7	600	760	270	520	650	155	540	800	69	2	2
BPM-O-600/10	600	1060	270	520	950	155	540	1100	69	2	3
BPM-O-600/12	600	1260	270	520	1150	155	540	1300	69	2	3
BPM-O-600/15	600	1560	270	520	1450	155	540	1600	69	2	3
BPM-O-800/4	800	460	270	720	350	155	740	500	44	3	1
BPM-O-800/7	800	760	270	720	650	155	740	800	44	3	2
BPM-O-800/10	800	1060	270	720	950	155	740	1100	44	3	3
BPM-O-800/12	800	1260	270	720	1150	155	740	1300	44	3	3
BPM-O-800/15	800	1560	270	720	1450	155	740	1600	44	3	3
BPM-O-1000/10	1000	1060	270	920	950	155	940	1100	144	3	3 ²⁾
BPM-O-1000/12	1000	1260	270	920	1150	155	940	1300	144	3	3 ²⁾
BPM-O-1000/15	1000	1560	270	920	1450	155	940	1600	144	3	3 ²⁾
BPM-O-1200/12	1200	1260	270	1120	1150	155	1140	1300	119	4	3 ²⁾
BPM-O-1200/15	1200	1560	270	1120	1450	155	1140	1600	119	4	3 ²⁾

Distribution Boards

Mounting of device rails onto rear frame (without mounting frame BPZ-MSW)

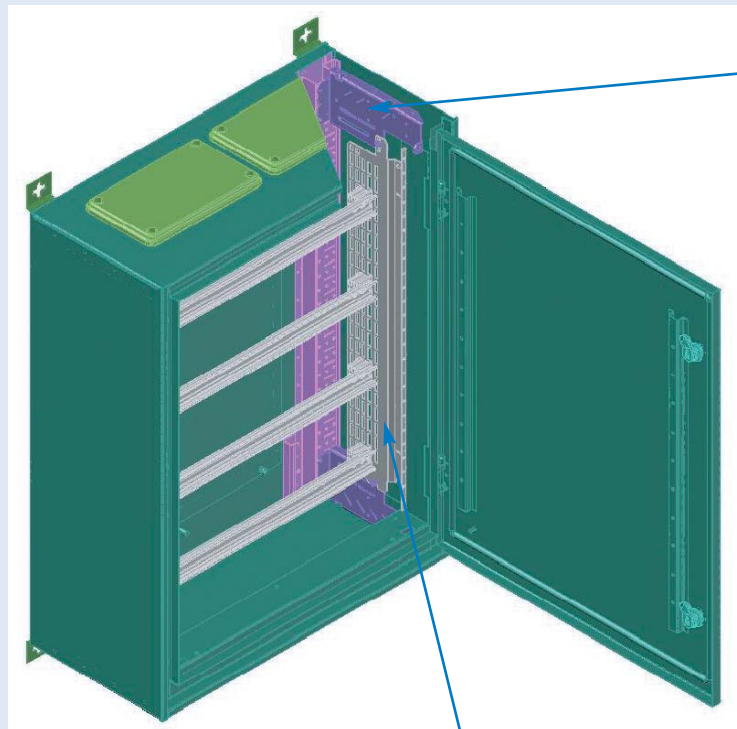
- Front plates are mounted onto supports BPZ-FPS (not in scope of delivery of BPM-O board)
- Welded construction, side panels of the cover cannot be unmounted



Distribution Boards

Mounting of device rails with mounting frame BPZ-MSW

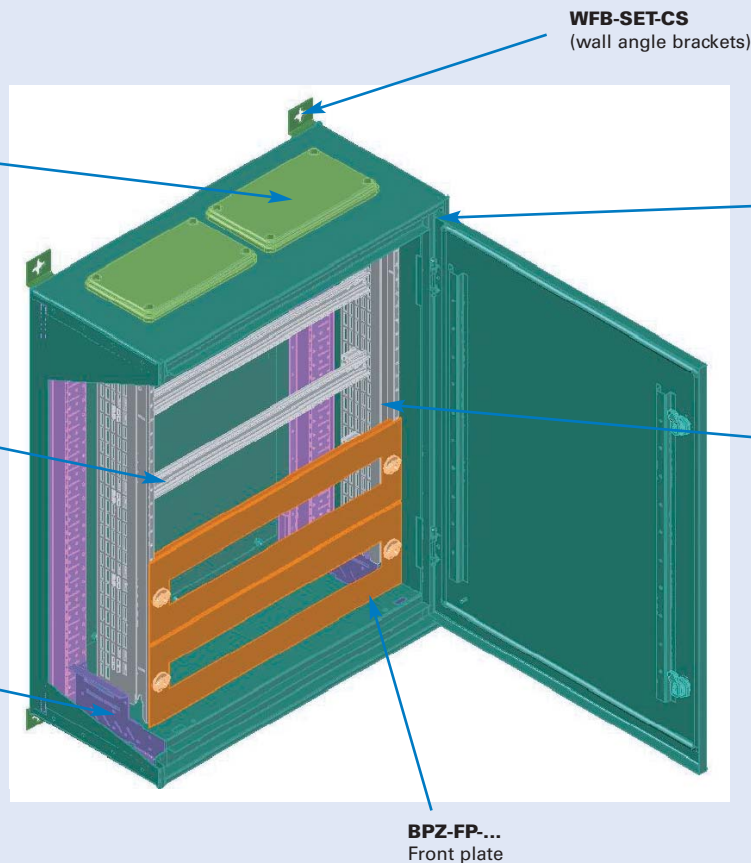
- Mounting onto corner towers BPZ-CTS-L (not in scope of delivery of BPM-O board)
- The mounting process of side walls BPZ-MSW is identical with version IP30
- Front plates are mounted directly onto BPZ-MSW
- Welded construction, side panels of the cover cannot be unmounted



BPZ-CTS-L
Tower for mounting of side wall BPZ-MSW. Can also be used for mounting of N/PE terminals holder.

BPZ-MSW...
Mounting side walls

xbp_013-0-04



WFB-SET-CS
(wall angle brackets)

F3A-...
Cable flanges

BPM-O-...
Surface mounted board with door, IP54

BPZ-DINR...
Device rails
... mounted onto side walls

BPZ-MSW...
Mounting side walls

BPZ-CTS-L
Corner tower for mounting of side walls BPZ-MSW. Can also be used for mounting of N/PE terminals holder.

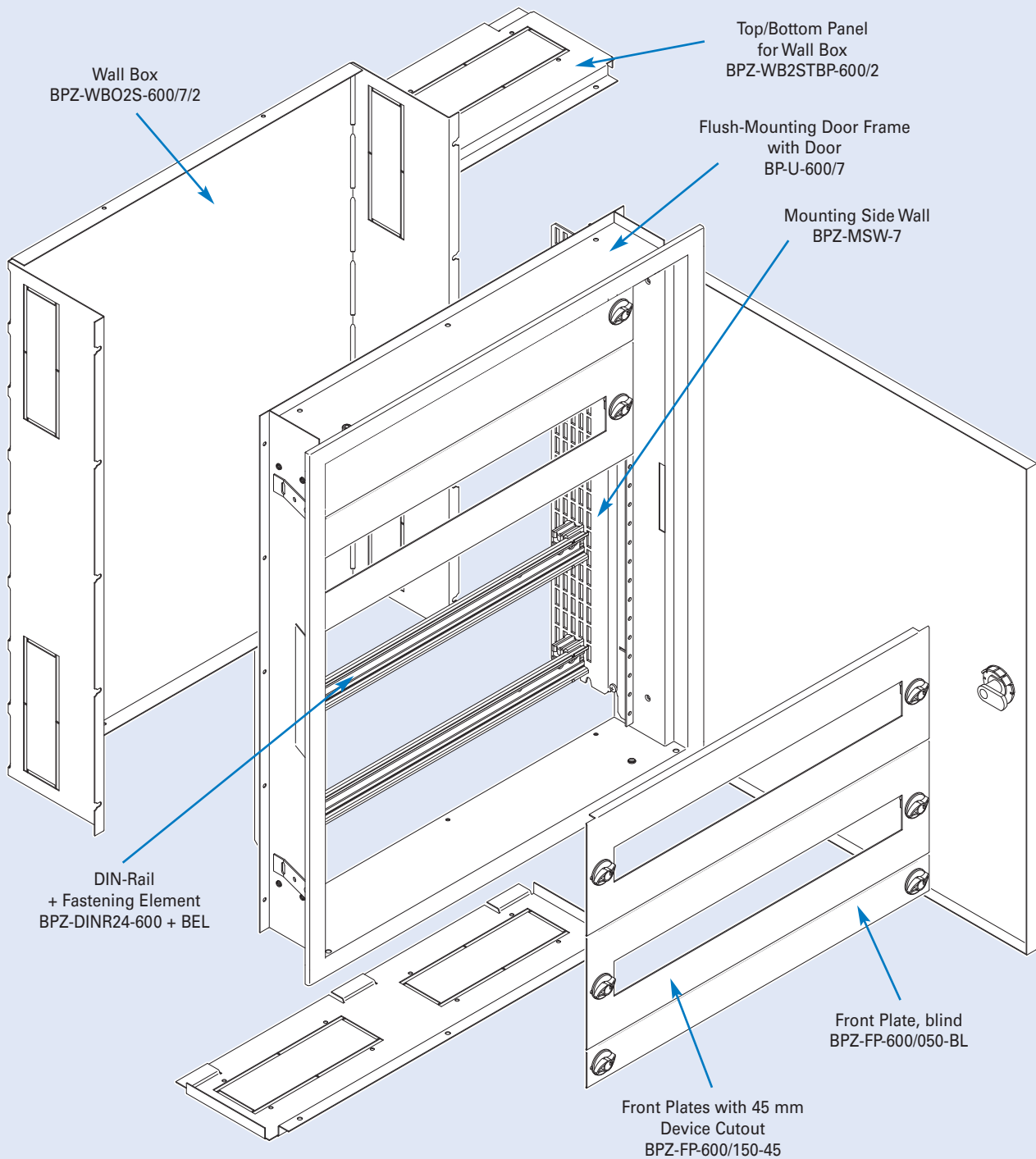
BPZ-FP-...
Front plate

xbp_013-0-03

Distribution Boards

Wall-Mounted Flush-mounting Distribution Boards xBoard - 2-Step-System BP-U...(-C)

System Overview



Distribution Boards

Flush-Mounting Installation Distribution Boards - 2-Step-System BP-U...(-C)

- Grounded metal covers
- Generous wiring space
- Variable interior layout with removable mounting frame
- Structured, multilayer construction for easy accessible installation: mounting sited wall - DIN-rails ... - enclosure
- Reversible door hinging

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP30
Rated voltage	415 VAC / 50Hz
Rated current	630 A
depending on the busbar support system	

Earth connections

Base frame	M5 earthing point screw
Door	M6 welding bolt

Max. power loss (W) for all devices in the dist. board at 35°C ambient temperature:

BP-U.../1

Height \ Width (mm)	320	520	720	920	1120
350	35	53	-	-	-
650	54	80	106	-	-
950	73	106	139	150	-
1150	86	124	131	177	222
1450	-	107	162	218	283

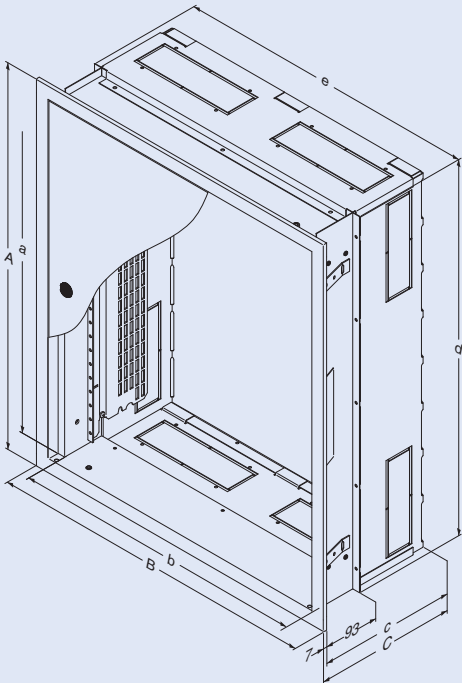
BP-U.../2

Height \ Width (mm)	320	520	720	920	1120
350	38	59	-	-	-
650	60	86	114	-	-
950	82	115	129	167	-
1150	95	133	146	197	256
1450	-	126	180	247	320

Mechanical

Material	Sheet steel
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035
Door	Flush doors with covered hinges, can be unhinged at an angle of more than 90° Opening angle: 110 degrees
Door lock	Hinged handle with rotary lock; cylinder lock; 3-point lock with clip down handle
Shock resistant	IK07

Dimensions (mm)



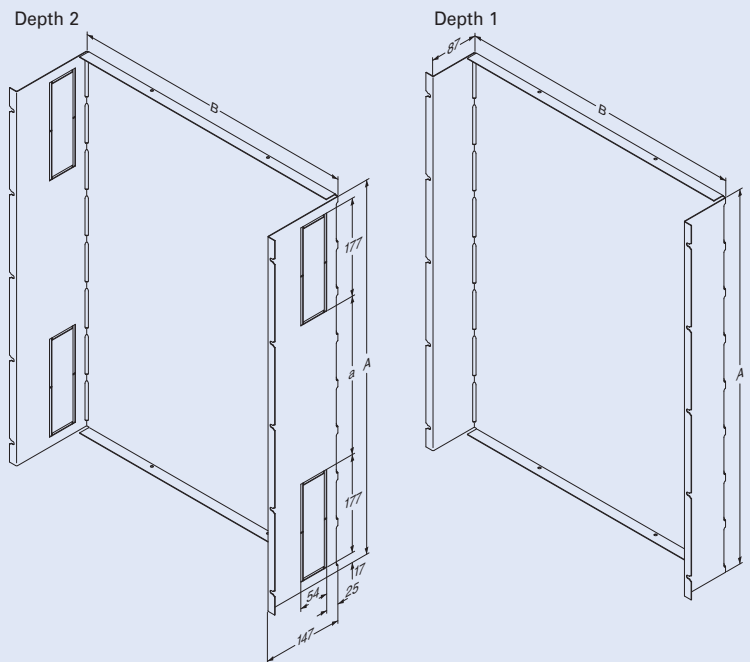
	MU	A	a	B	b	C	c	d	e
		Outside height	Front-plate height	Outside width	Inside width	Outside depth	Installation depth	Installation height	Installation width
BP-U-600/7-C	96	700	650	600	520	247	240	685	555
BP-U-600/10-C	144	1000	950	600	520	247	240	985	555
BP-U-600/12-C	168	1200	1150	600	520	247	240	1185	555
BP-U-600/15-C	216	1500	1450	600	520	247	240	1485	555
BP-U-800/7-C	140	700	650	800	720	247	240	685	755
BP-U-800/10-C	210	1000	950	800	720	247	240	985	755
BP-U-800/12-C	245	1200	1150	800	720	247	240	1185	755
BP-U-800/15-C	315	1500	1450	800	720	247	240	1485	755

Distribution Boards

Flush-Mounting Installation Distribution Boards - 2-Step System

Wall Box - Open for 2-Step System, BPZ-WBO2S

- Depth 1 = 180 mm or Depth 2 = 240 mm
- Easy-to-remove relief stamp
- Suitable for installation of the 2-step flush-mounting door frame
- Material: Sheet steel, zinc-coated
- Scope of delivery: 1 Wall box, fixing material



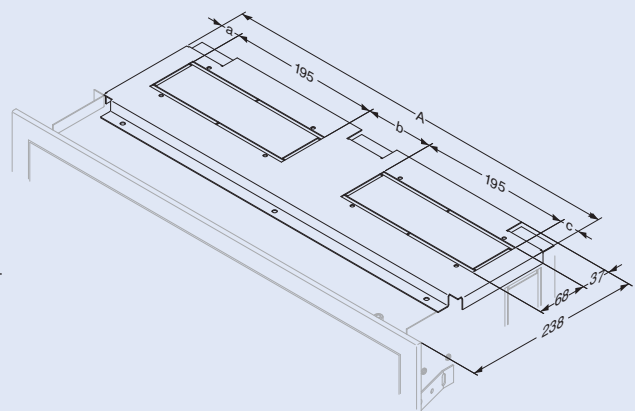
- Dimensions (mm)

	A	B	a		A	B	a
	Outside height	Outside width	Distance		Outside height	Outside width	Distance
BPZ-WBO2S-400/4/1	380	323	–	BPZ-WBO2S-800/7/1	680	723	–
BPZ-WBO2S-400/4/2	380	323	–	BPZ-WBO2S-800/7/2	680	723	286
BPZ-WBO2S-400/7/1	680	323	–	BPZ-WBO2S-800/10/1	980	723	–
BPZ-WBO2S-400/7/2	680	323	286	BPZ-WBO2S-800/10/2	980	723	586
BPZ-WBO2S-400/10/1	980	323	–	BPZ-WBO2S-800/12/1	1180	723	–
BPZ-WBO2S-400/10/2	980	323	586	BPZ-WBO2S-800/12/2	1180	723	786
BPZ-WBO2S-400/12/1	1180	323	–	BPZ-WBO2S-800/15/1	1480	723	–
BPZ-WBO2S-400/12/2	1180	323	786	BPZ-WBO2S-800/15/2	1480	723	1086
BPZ-WBO2S-600/4/1	380	523	–	BPZ-WBO2S-1000/10/1	980	923	–
BPZ-WBO2S-600/4/2	380	523	–	BPZ-WBO2S-1000/10/2	980	923	586
BPZ-WBO2S-600/7/1	680	523	–	BPZ-WBO2S-1000/12/1	1180	923	–
BPZ-WBO2S-600/7/2	680	523	286	BPZ-WBO2S-1000/12/2	1180	923	786
BPZ-WBO2S-600/10/1	980	523	–	BPZ-WBO2S-1000/15/1	1480	923	–
BPZ-WBO2S-600/10/2	980	523	586	BPZ-WBO2S-1000/15/2	1480	923	1086
BPZ-WBO2S-600/12/1	1180	523	–	BPZ-WBO2S-1200/12/1	1180	1123	–
BPZ-WBO2S-600/12/2	1180	523	786	BPZ-WBO2S-1200/12/2	1180	1123	786
BPZ-WBO2S-600/15/1	1480	523	–	BPZ-WBO2S-1200/15/1	1480	1123	–
BPZ-WBO2S-600/15/2	1480	523	1086	BPZ-WBO2S-1200/15/2	1480	1123	1086

Top/Bottom Panel for 2-Step System Wall Box, Depth 2 (240 mm), BPZ-WB2STBP

- Only for depth 2
- Blind (without cutout) or with cutout for cable entry
- Easy-to-remove relief stamp
- Suitable for installation on open wall box
- Material: Sheet steel, zinc-coated
- Scope of delivery: 1 Top/bottom panel, fixing material
- Dimensions (mm)

	A		a	b	c
	Outside width	Outside depth	Distance	Distance	Distance
BPZ-WB2STBP-400/2	329	238	67	–	67
BPZ-WB2STBP-600/2	529	238	25.5	88	25.5
BPZ-WB2STBP-800/2	729	238	25.5	2x 46.5	25.5
BPZ-WB2STBP-1000/2	929	238	25.5	2x 32.67	25.5
BPZ-WB2STBP-1200/2	1129	238	25.5	2x 25.75	25.5

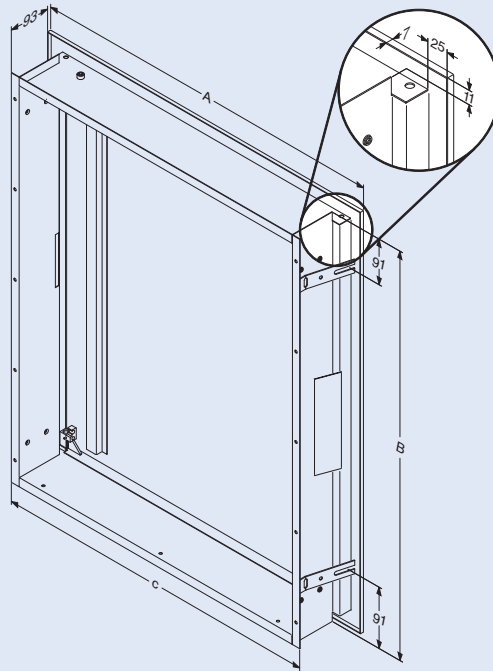


Distribution Boards

2-Step Flush-Mounting Door Frame, with Door, BP-U

- Material: Sheet steel, powder-coated, RAL 7035
- Scope of delivery: Frame, door with hinges, rotary lock, fixing material for BPZ-MSW mounting side wall
- Dimensions (mm)

	A Outside width	B Outside height	c Inside width
BP-U-400/4	400	400	353
BP-U-400/7	400	700	353
BP-U-400/10	400	1000	353
BP-U-400/12	400	1200	353
BP-U-600/4	600	400	553
BP-U-600/7	600	700	553
BP-U-600/10	600	1000	553
BP-U-600/12	600	1200	553
BP-U-600/15	600	1500	553
BP-U-800/7	800	700	753
BP-U-800/10	800	1000	753
BP-U-800/12	800	1200	753
BP-U-800/15	800	1500	753
BP-U-1000/10	1000	1000	953
BP-U-1000/12	1000	1200	953
BP-U-1000/15	1000	1500	953
BP-U-1200/12	1200	1200	1153
BP-U-1200/15	1200	1500	1153

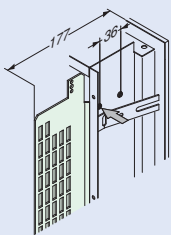


Mounting Side Wall, BPZ-MSW

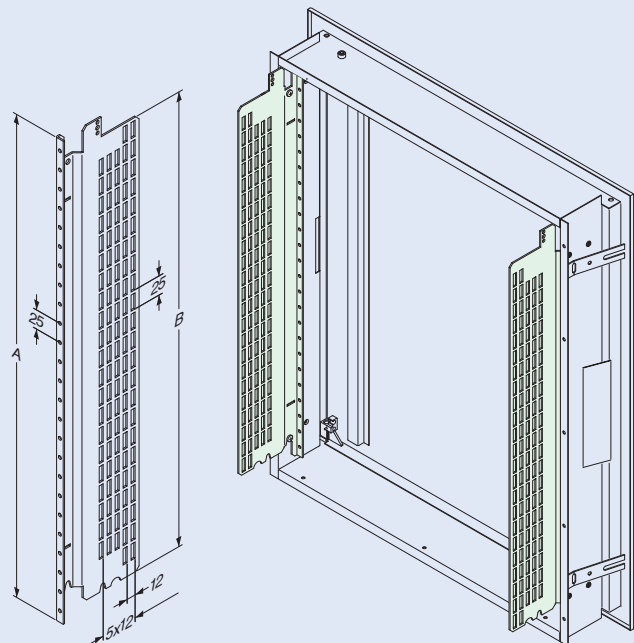
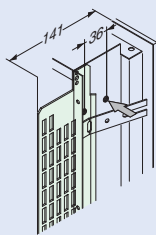
- Suitable for installation on the 2-step flush-mounting door frame with door
- Material: Sheet steel, zinc-coated
- Scope of delivery: 2 Mounting side walls
- Dimensions (mm)

	A Outside height	B Inside height	Outside depth	Frontplate height
BPZ-MSW-4	330	293	117	350
BPZ-MSW-7	630	593	117	650
BPZ-MSW-10	930	893	117	950
BPZ-MSW-12	1130	1093	117	1150
BPZ-MSW-15	1430	1393	117	1450
BPZ-MSW-17	1630	1593	117	1650
BPZ-MSW-20	1930	1893	117	1950

Pos. 1



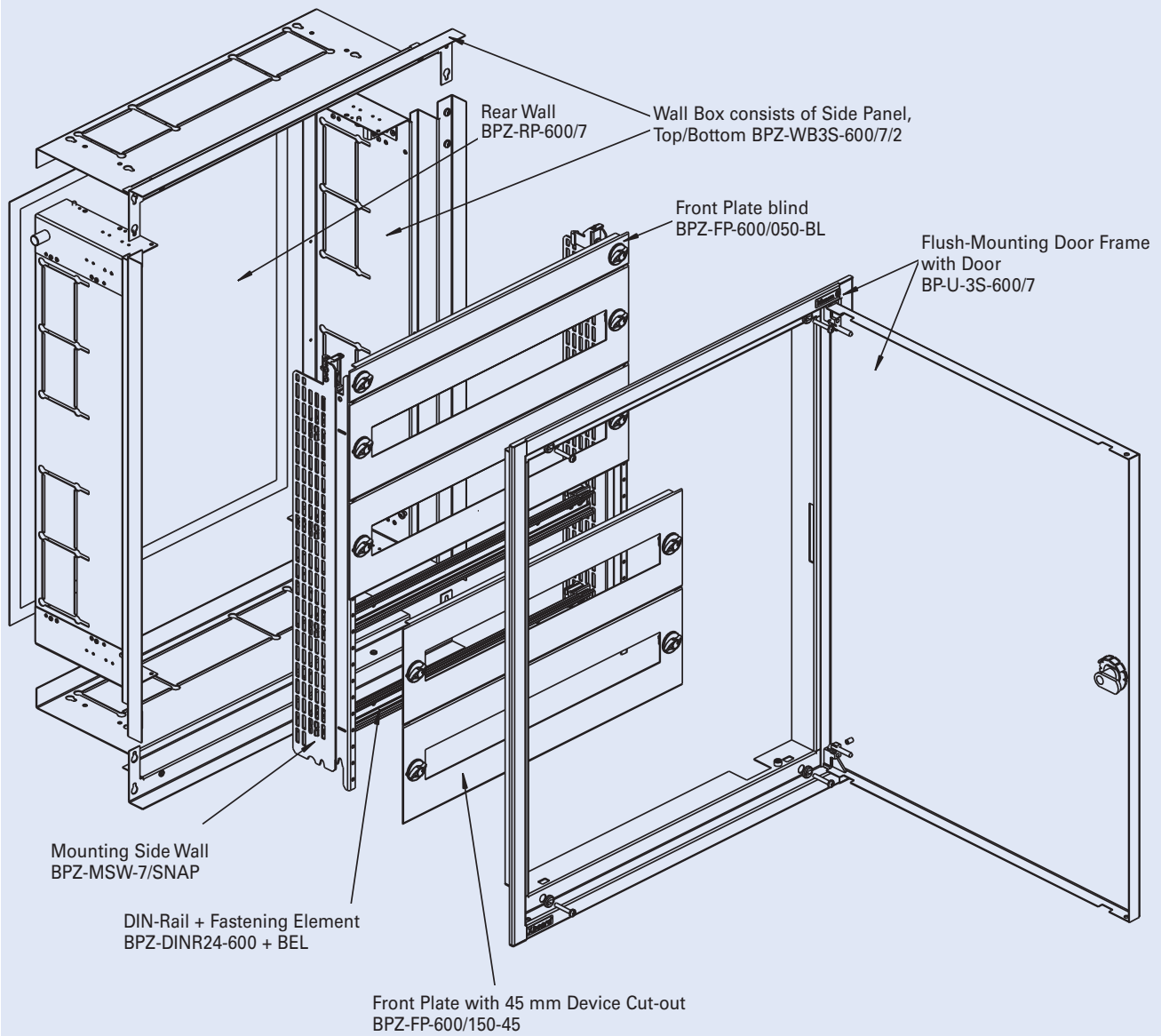
Pos. 2



Distribution Boards

Wall-Mounted Flush-mounting Distribution Boards xBoard - 3-Step-System

System Overview



Distribution Boards

Flush-Mounting Installation Distribution Boards - 3-Step-System **BP-U-3S...**

- Grounded metal covers
- Generous wiring space
- Variable interior layout with removable mounting frame
- Structured, multilayer construction for easy accessible installation: mounting sided wall - DIN-rails ... - enclosure
- Reversible door hinging
- Levelling possible to offset surface unevenness of up to 18 mm

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP30, IP43, IP54
Rated voltage	415 VAC / 50Hz
Rated current	630 A
depending on the busbar support system	

Earth connections

Base frame	M5 earthing point screw
Door	M6 welding bolt

Max. power loss (W) for all devices in the dist. board at 35°C ambient temperature:

BP-U-3S-.../1

Height \ Width (mm)	330	530	730	930	1130
350	37	56	-	-	-
650	57	82	110	-	-
950	77	109	142	142	-
1150	90	128	127	163	220
1450	-	109	150	227	278
1650	-	116	174	247	316
1950	-	131	215	288	372

BP-U-3S-.../2

Height \ Width (mm)	330	530	730	930	1130
350	41	81	-	-	-
650	63	90	118	-	-
950	85	118	129	160	-
1150	99	136	140	187	264
1450	-	122	171	248	309
1650	-	134	203	274	354
1950	-	157	241	325	402

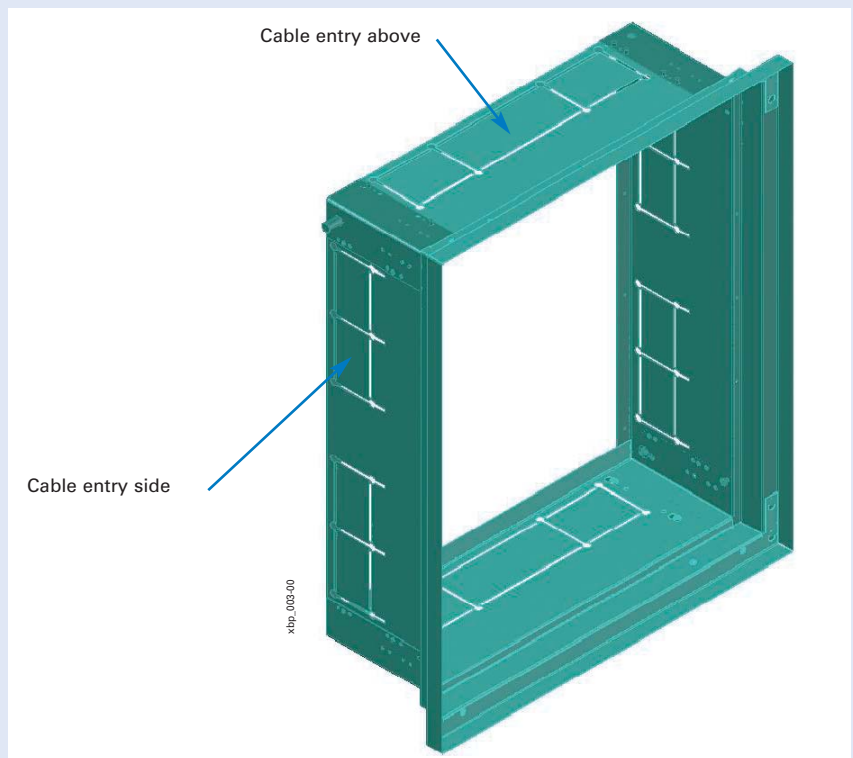
Mechanical

Material	Sheet steel, Aluminium (IP43, IP54)
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035, white RAL 9016
Door	Flush doors with covered hinges, can be unhinged at an angle of more than 90° Opening angle: 110 degrees
Door lock	Hinged handle with rotary lock; cylinder lock; 3-point lock with clip down handle, Two-way key bit
Shock resistant	IK07

Flush-Mounting Installation Distribution Boards - 3-Step System

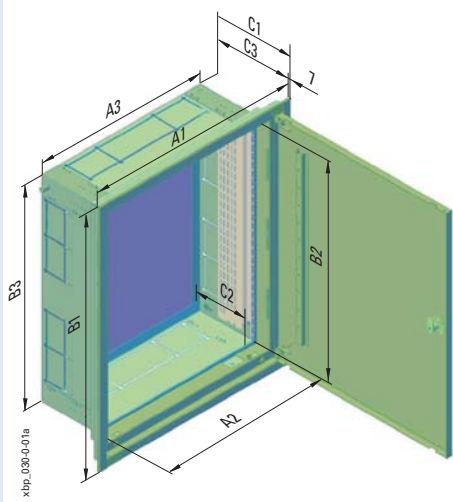
Wall Box - for 3-Step System, BPZ-WB3S

- Depth 1 = 180 mm or Depth 2 = 240 mm
- Easy-to-remove relief stamp
- Suitable for installation of the 3-step flush-mounting door frame
- Material: Sheet steel, zinc-coated
- Scope of delivery: 1 Wall box, fixing material



Distribution Boards

Dimensions (mm)

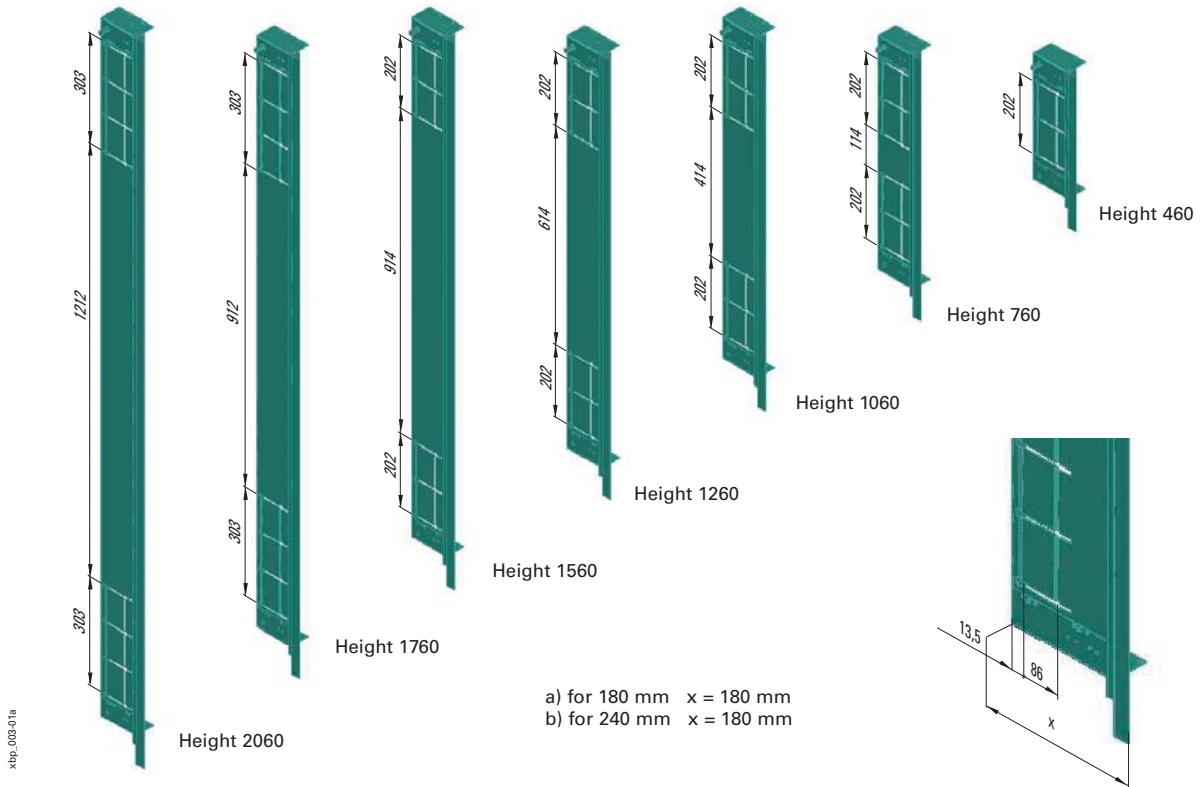


Type	Outside dimensions			Inside dimensions (front plate)			Embrasure (installation dimensions)		
	Width A1	Height B1	Depth C1	Width A2	Height B2	Depth C2	Width A3	Height B3	Depth C3
...400/4..	435	460	247 / 187	320	350	182 / 122	410	435	240 / 180
...400/7..	435	760	247 / 187	320	650	182 / 122	410	735	240 / 180
...400/10..	435	1060	247 / 187	320	950	182 / 122	410	1035	240 / 180
...400/12..	435	1260	247 / 187	320	1150	182 / 122	410	1235	240 / 180
...600/4..	635	460	247 / 187	520	350	182 / 122	610	435	240 / 180
...600/7..	635	760	247 / 187	520	650	182 / 122	610	735	240 / 180
...600/10..	635	1060	247 / 187	520	950	182 / 122	610	1035	240 / 180
...600/12..	635	1260	247 / 187	520	1150	182 / 122	610	1235	240 / 180
...600/15..	635	1560	247 / 187	520	1450	182 / 122	610	1535	240 / 180
...600/17..	635	1760	247 / 187	520	1650	182 / 122	610	1735	240 / 180
...600/20..	635	2060	247 / 187	520	1950	182 / 122	610	2035	240 / 180
...800/7..	835	760	247 / 187	720	650	182 / 122	810	735	240 / 180
...800/10..	835	1060	247 / 187	720	950	182 / 122	810	1035	240 / 180
...800/12..	835	1260	247 / 187	720	1150	182 / 122	810	1235	240 / 180
...800/15..	835	1560	247 / 187	720	1450	182 / 122	810	1535	240 / 180
...800/17..	835	1760	247 / 187	720	1650	182 / 122	810	1735	240 / 180
...800/20..	835	2060	247 / 187	720	1950	182 / 122	810	2035	240 / 180
...1000/10..	1035	1060	247 / 187	920	950	182 / 122	1010	1035	240 / 180
...1000/12..	1035	1260	247 / 187	920	1150	182 / 122	1010	1235	240 / 180
...1000/15..	1035	1560	247 / 187	920	1450	182 / 122	1010	1535	240 / 180
...1000/17..	1035	1760	247 / 187	920	1650	182 / 122	1010	1735	240 / 180
...1000/20..	1035	2060	247 / 187	920	1950	182 / 122	1010	2035	240 / 180
...1200/12..	1235	1260	247 / 187	1120	1150	182 / 122	1210	1235	240 / 180
...1200/15..	1235	1560	247 / 187	1120	1450	182 / 122	1210	1535	240 / 180
...1200/17..	1235	1760	247 / 187	1120	1650	182 / 122	1210	1735	240 / 180
...1200/20..	1235	2060	247 / 187	1120	1950	182 / 122	1210	2035	240 / 180

Distribution Boards

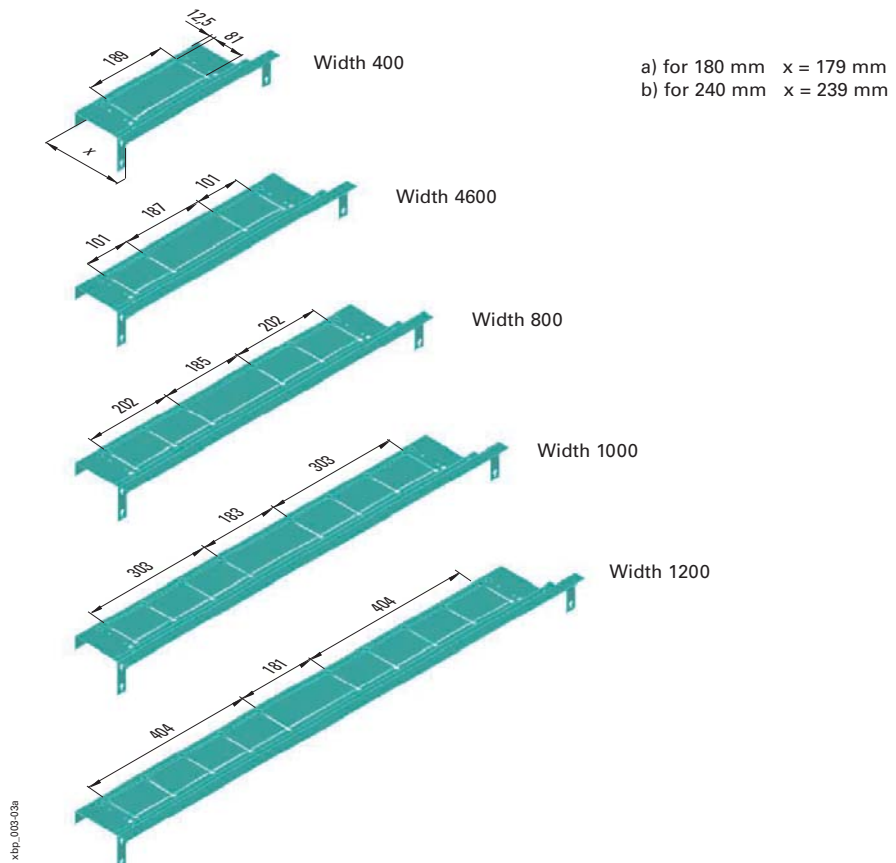
Side panels of wall box BPZ-WB3S

Depth 180, 240



Top and bottom panel of wall box BPZ-WB3S

Depth 180, 240



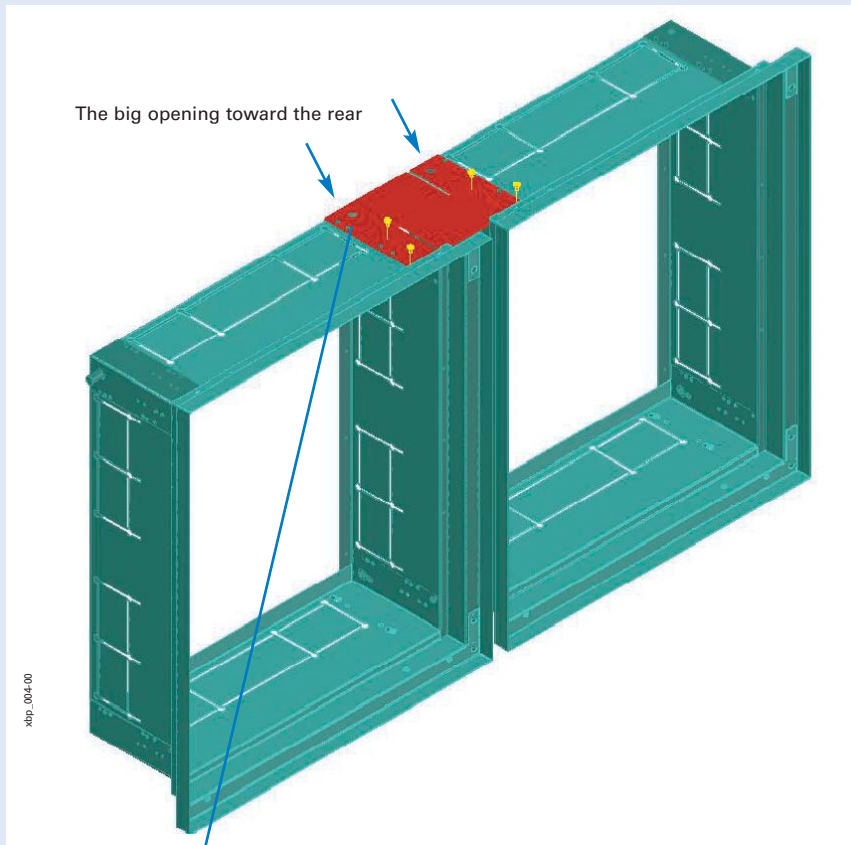
Distribution Boards

Connecting of flush-mounting boards with BPZ-BR/WB3S

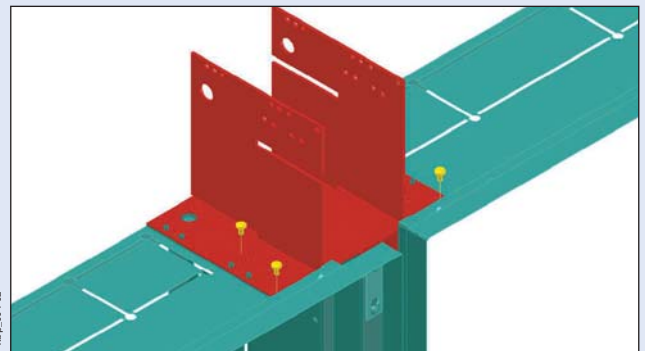
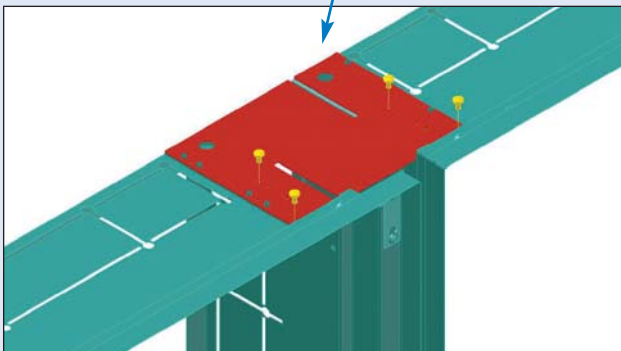
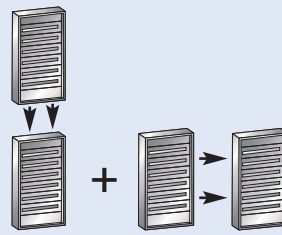
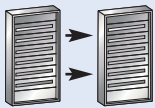
- Use of coupling flange BPZ-BR/WB3S
- The coupling flanges define respective space in between particular wall boxes
- Possible to connect boards in parallel, one above the other or into a cross (i.e. parallel and one above the other at the same time)

Mounting process:

1. Placing of wall boxes BPZ-WB3S in parallel / one above the other
2. Put of flange BPZ-BR/WB3S. The big opening has to be oriented toward the rear
3. Fixing of the flange by means of screws



Connection of boards in parallel / above the other



Cross connection of 4 boards (2 x 2)

Distribution Boards

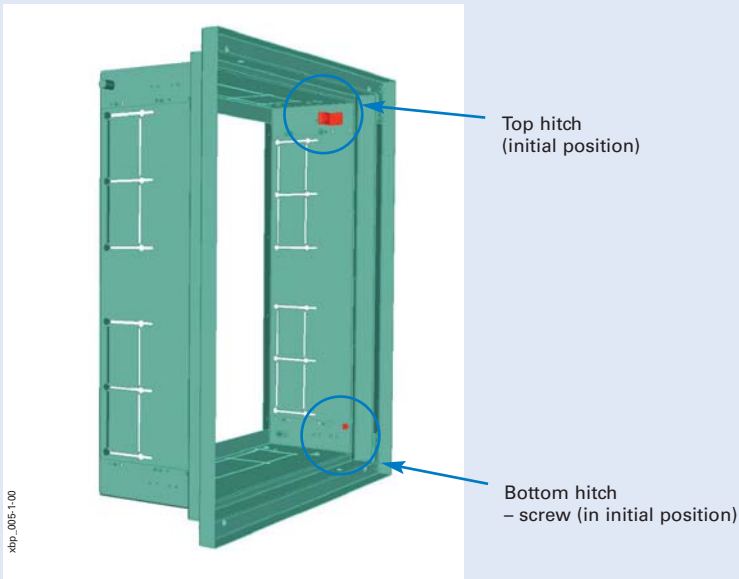
Mounting of side walls BPZ-MSW into wall box BPZ-WB3S

Mounting process:

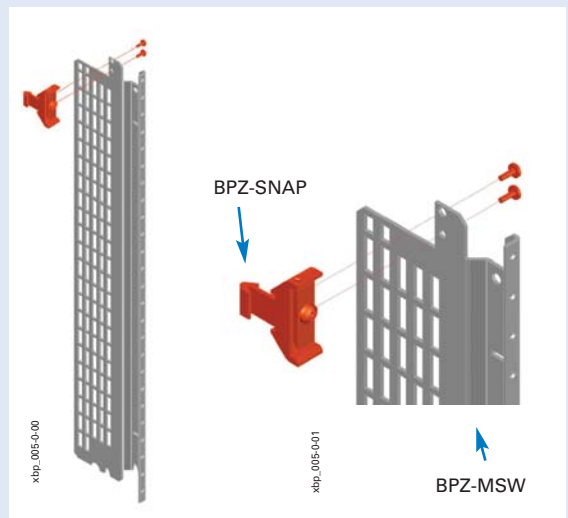
1. Placing of the side wall BPZ-MSW on bottom hitch
2. Tipping of the side wall to correct position. This position is indicated with click of the pawl BPZ-SNAP.
3. Tightening of the top hitch screw
4. Tightening of the bottom hitch screw

Notes:

- Usually, a complete frame (2 side walls, device rails, devices) is mounted
- For flush-mounting boards, the sidewalls BPZ-MSW have to be equipped with pawls BPZ-SNAP. These pawls do not substitute a function of the original screw.
The frame has to be fixed with this screw!
- To demount the frame BPZ-MSW, a flat screwdriver is necessary to press away a pin of pawl BPZ-SNAP.

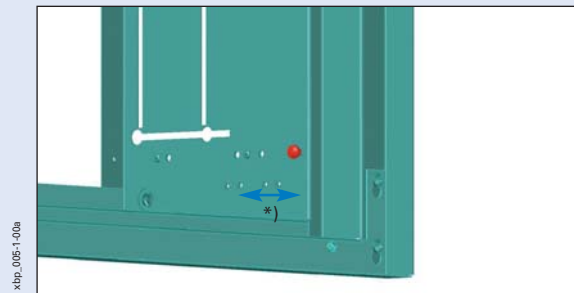


Mounting process for pawl BPZ-SNAP:

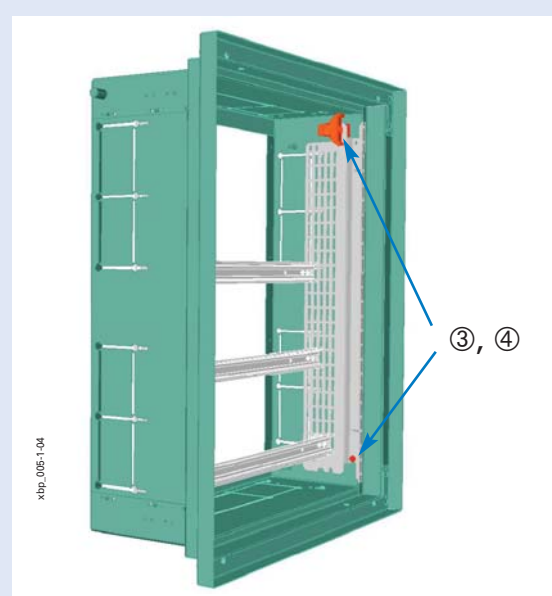
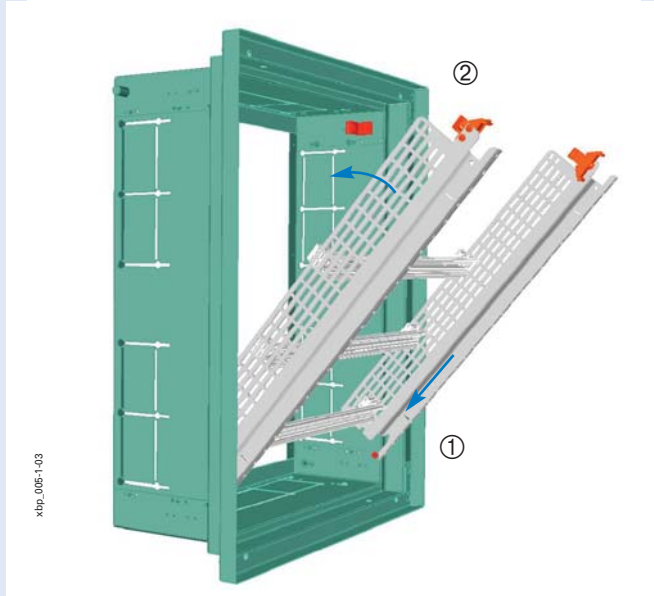
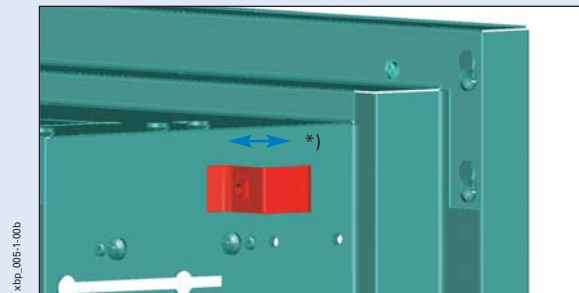


Detail of bottom hitch

*) possibility of change of side wall depth



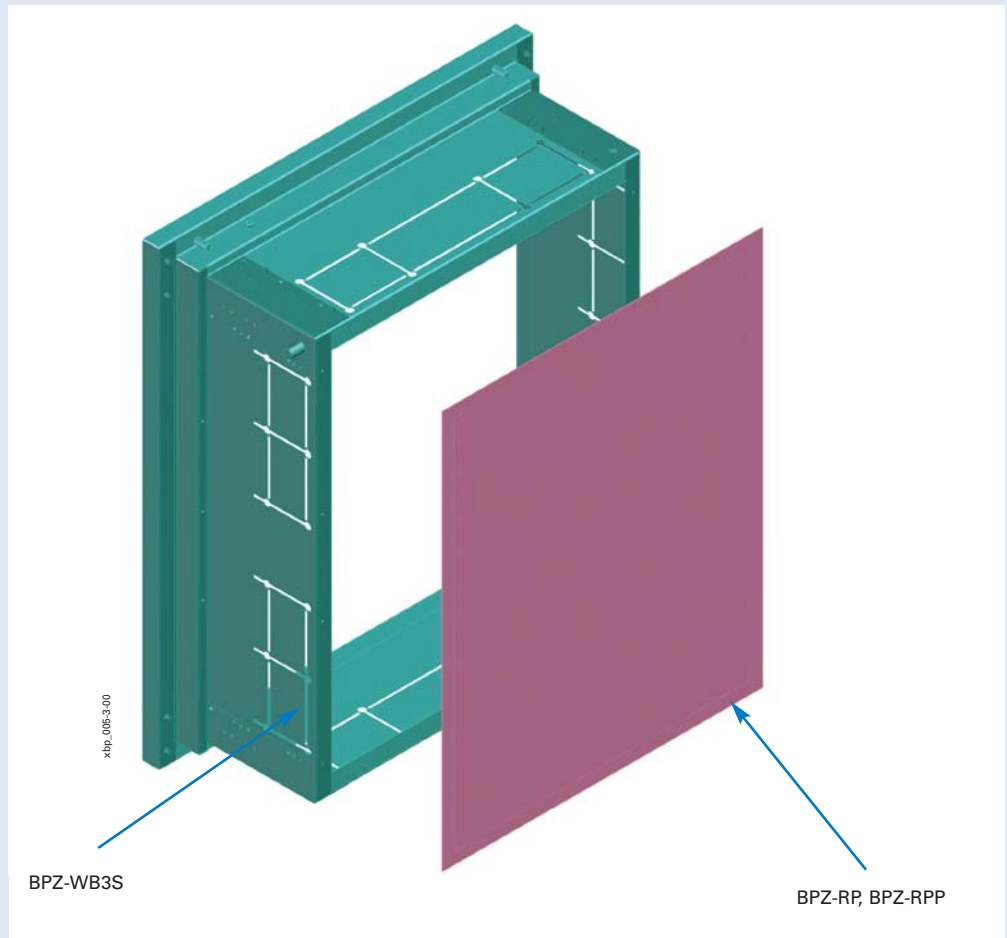
Detail of top hitch



Distribution Boards

Rear walls, BPZ-RP

- Rear wall for wall box BPZ-WB3S
- Material: sheet steel, zinc-coated, thickness 1 mm, plastic
- Mounting by means of self-sealing tape
- Scope of delivery: 1 rear panel
- Attention: sheet steel rear wall must be connected through screws into the earthing concept!

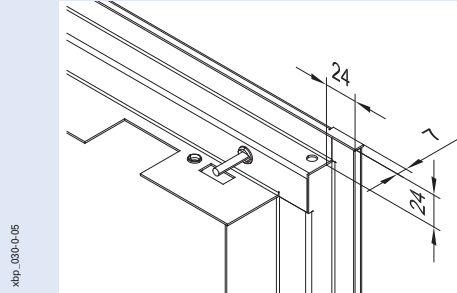
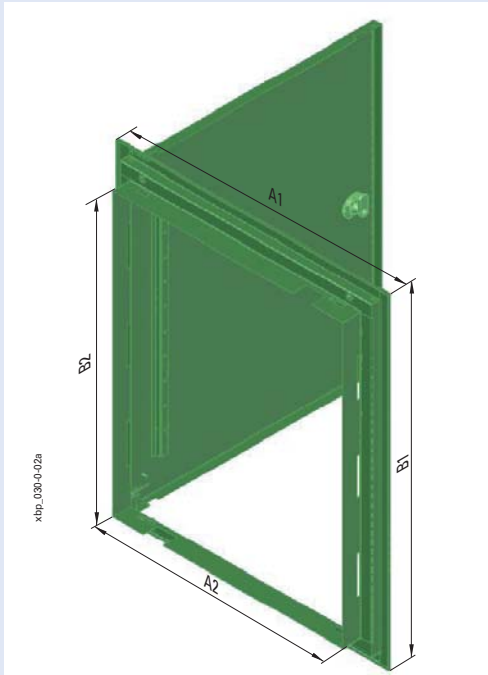


Distribution Boards

3-Step Flush-Mounting Door Frame, with Door, BP-U-3S...

- IP30 . . . BP-U-3S
- IP43 . . . BPA-U-3S, with foamed sealing and rain bar for outdoor application
- IP54 . . . BPM-U-3S, with foamed sealing for moisture-proof application
- Material: Sheet steel, powder-coated, RAL 7035 or RAL 9016
Aluminium, powder-coated, RAL 7035
- Scope of delivery: Frame, door with hinges

Dimensions [mm]



Type	Outside dimensions		Inside dimensions		Number of locks ¹⁾	
	Width A1	Height B1	Width A2	Height B2	IP30	IP43 IP54
BP-U-3S-400/4...	435	460	330	360	1	1
BP-U-3S-400/7...	435	760	330	660	1	2
BP-U-3S-400/10...	435	1060	330	960	1	2
BP-U-3S-400/12...	435	1260	330	1160	2	2
BP-U-3S-600/4...	635	460	530	360	1	1
BP-U-3S-600/7...	635	760	530	660	1	2
BP-U-3S-600/10...	635	1060	530	960	1	2
BP-U-3S-600/12...	635	1260	530	1160	2	2
BP-U-3S-600/15...	635	1560	530	1460	2	3
BP-U-3S-600/17...	635	1760	530	1660	3	3
BP-U-3S-600/20...	635	2060	530	1960	3	3
BP-U-3S-800/7...	835	760	730	660	1	2
BP-U-3S-800/10...	835	1060	730	960	1	2
BP-U-3S-800/12...	835	1260	730	1160	2	2
BP-U-3S-800/15...	835	1560	730	1460	2	3
BP-U-3S-800/17...	835	1760	730	1660	3	3
BP-U-3S-800/20...	835	2060	730	1960	3	3
BP-U-3S-1000/10...	1035	1060	930	960	1 ²⁾	2 ²⁾
BP-U-3S-1000/12...	1035	1260	930	1160	2 ²⁾	2 ²⁾
BP-U-3S-1000/15...	1035	1560	930	1460	2 ²⁾	3 ²⁾
BP-U-3S-1000/17...	1035	1760	930	1660	3 ²⁾	3 ²⁾
BP-U-3S-1000/20...	1035	2060	930	1960	3 ²⁾	3 ²⁾
BP-U-3S-1200/12...	1235	1260	1130	1160	2 ²⁾	2 ²⁾
BP-U-3S-1200/15...	1235	1560	1130	1460	2 ²⁾	3 ²⁾
BP-U-3S-1200/17...	1235	1760	1130	1660	3 ²⁾	3 ²⁾
BP-U-3S-1200/20...	1235	2060	1130	1960	3 ²⁾	3 ²⁾

¹⁾ Number of hinge cut-outs for rotary handles. doors with clip down handle also available.

²⁾ Number of locks for the right door. Left door contains two rotary handles in all dimensions.

Distribution Boards

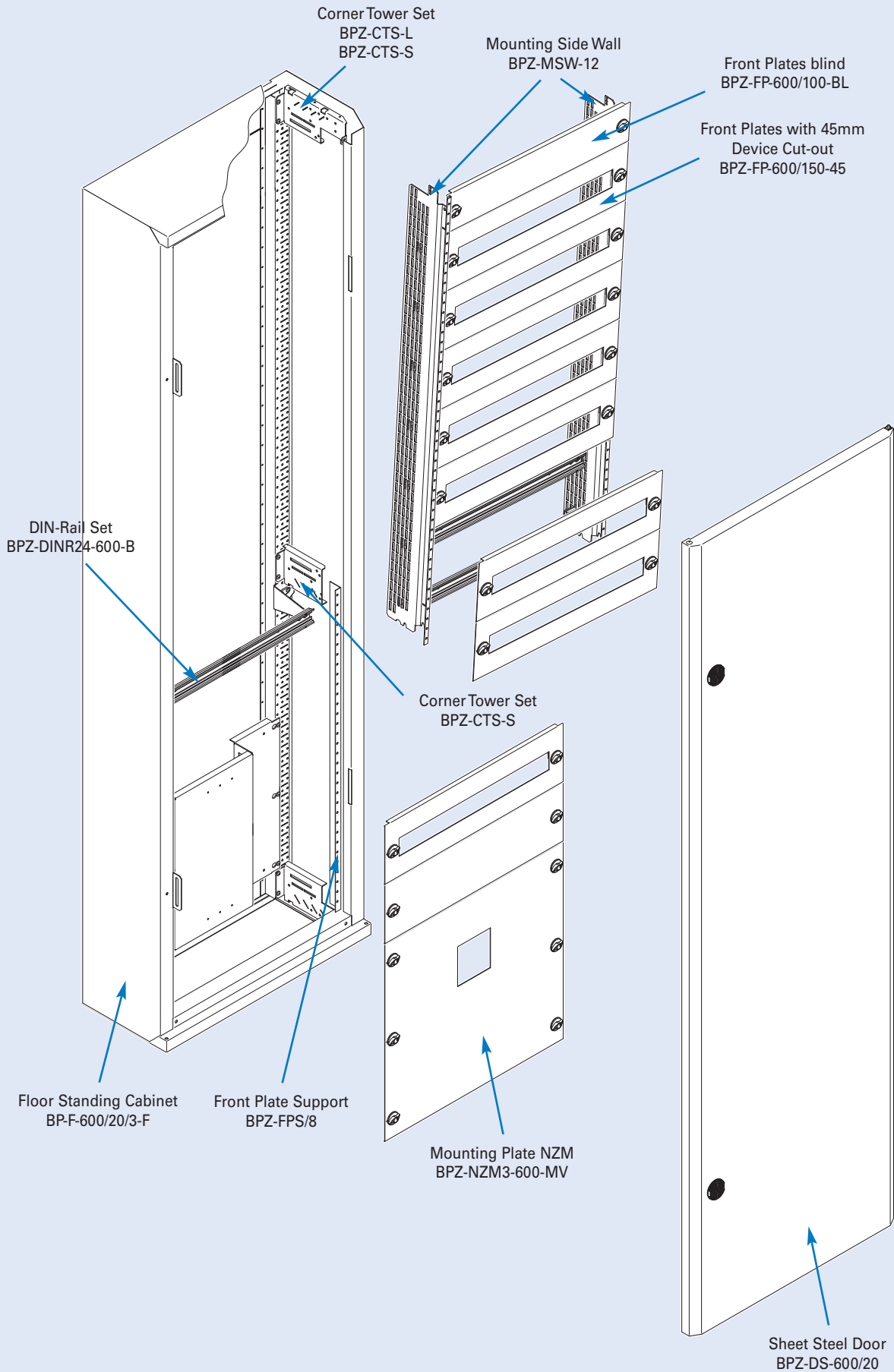
Separation Frame, BPZ-USF

- Only for flush-mounting boards with a width of 1000 and 1200 mm
- Only with MSW application
- For separate a 1000 or 1200 mm board in a 600/400 or 600/600 section
- Material: Sheet steel, powder-coated grey (RAL 7035) and white (RAL 9016)
- Scope of delivery: 1 Separation Frame and fixing material

Distribution Boards

Floor-Standing Distribution Board xBoard BP-F...

System Overview



Distribution Boards

Floor-Standing Distribution Boards, BP-F...

- Grounded metal covers
- Excellent stability thanks to the welded construction
- Generous wiring space
- Variable interior layout with/without removable mounting frame
- Structured, multilayer construction for easy accessible installation: base frame - DIN-rails ... - enclosure
- Reversible door hinging

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP30
Rated voltage	415 VAC / 50Hz
Rated current	1200 A
depending on the busbar support system	

Earth connections

Base frame	M8 welding bolt
Door	M6 welding bolt

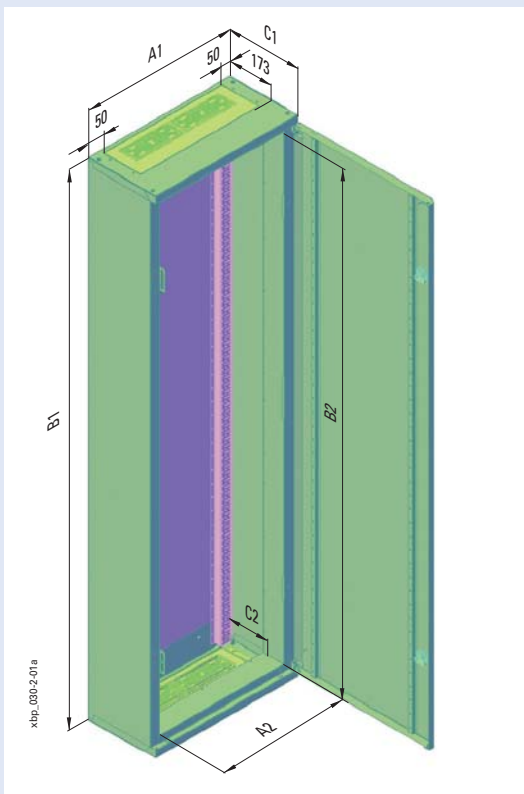
Max. power loss (W) for all devices in the dist. board at 35° C ambient temperature:

Height / Width (mm)	400	600	800	1000	1200
1760	179	258	347	420	478
2060	220	305	320	448	519

Mechanical

Material	Sheet steel
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035, white RAL 9016
Door	Doors with covered hinges, can be unhinged at an angle of more than 90° Opening angle: 167 degrees (60° in case of several dist. boards mounted next to each other)
Door lock	Hinged handle with rotary lock; cylinder lock; 3-point lock with clip down handle
Cable entry	Different covers permit cable entry from below and/or above
Shock resistant	IK07

Dimensions (mm)



Type	Outside dimensions			Inside dimensions			Pv W	Number of locks ¹⁾
	Width A1	Height B1	Depth C1 without door / with door	Width A2	Height B2	Depth C2		
BP-F-400/17/3	400	1760	286,5 / 300	320	1650	155	203	2
BP-F-400/20/3	400	2060	286,5 / 300	320	1950	155	225	2
BP-F-600/17/3	600	1760	286,5 / 300	520	1650	155	297	2
BP-F-600/20/3	600	2060	286,5 / 300	520	1950	155	343	2
BP-F-800/17/3	800	1760	286,5 / 300	720	1650	155	387	2
BP-F-800/20/3	800	2060	286,5 / 300	720	1950	155	415	2
BP-F-1000/17/3	1000	1760	286,5 / 300	920	1650	155	455	2 ²⁾
BP-F-1000/20/3	1000	2060	286,5 / 300	920	1950	155	511	2 ²⁾
BP-F-1200/17/3	1200	1760	286,5 / 300	1120	1650	155	545	2 ²⁾
BP-F-1200/20/3	1200	2060	286,5 / 300	1120	1950	155	561	2 ²⁾
BP-F-400/20/2,5	400	2060	236,5 / 250	320	1950	185*	196	2
BP-F-600/20/2,5	600	2060	236,5 / 250	520	1950	185*	316	2
BP-F-800/20/2,5	800	2060	236,5 / 250	720	1950	185*	386	2
BP-F-1000/20/2,5	1000	2060	236,5 / 250	920	1950	185*	468	2 ²⁾
BP-F-1200/20/2,5	1200	2060	236,5 / 250	1120	1950	185*	535	2 ²⁾
BP-F-400/20/4	400	2060	386,5 / 400	320	1950	255	293	2
BP-F-600/20/4	600	2060	386,5 / 400	520	1950	255	388	2
BP-F-800/20/4	800	2060	386,5 / 400	720	1950	255	480	2
BP-F-1000/20/4	1000	2060	386,5 / 400	920	1950	255	556	2 ²⁾
BP-F-1200/20/4	1200	2060	386,5 / 400	1120	1950	255	624	2 ²⁾

* no assembly spar (only MSW construction)

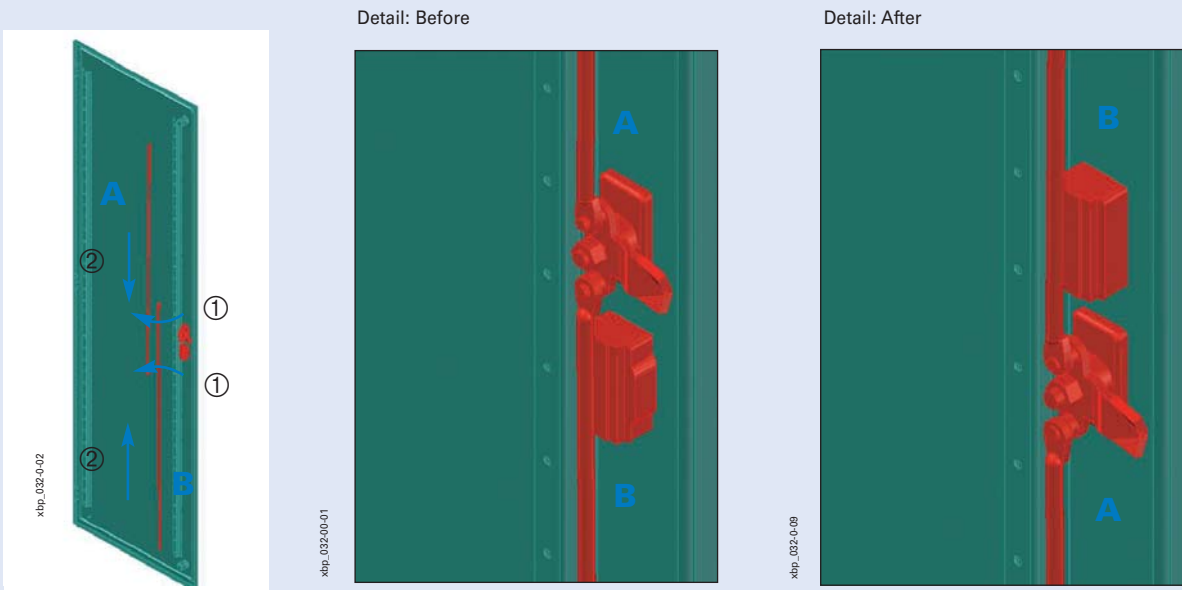
¹⁾ Number of hinge cut-outs for rotary handles. doors with clip down handle also available.

²⁾ Number of locks for the right door. Left door contains two rotary handles in all dimensions.

Distribution Boards

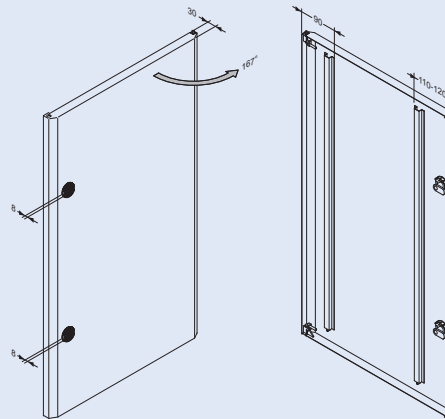
Change of clip down handle for change of direction of opening of door

1. Demounting of rods – removing from lock mechanism
2. Demounting of rods – taking out from fastening lugs



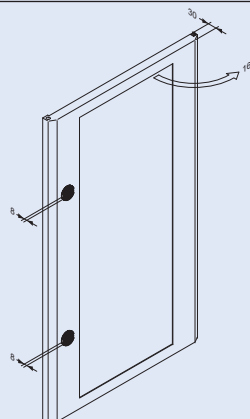
Sheet Steel Doors, BPZ-DS

- Front-mounted
 - Quick mounting and removing of the door
 - Right or left hinged
 - Opening angle 167°
 - 1-point lock through rotary lock, 3-point lock through clip-down handle
 - Material: Sheet steel, powder-coated, RAL 7035 or RAL 9016
 - Weight (kg):
- | | | | | | |
|-------------|-----|------|------|----------|-----------|
| Width (mm) | 400 | 600 | 800 | 600+400 | 600+600 |
| Height 1700 | 6,2 | 9 | 11,8 | 9+6,5 | 9+9,1 |
| Height 2000 | 7,3 | 10,6 | 13,8 | 10,6+7,7 | 10,6+10,6 |
- Scope of delivery: 1 Door



Transparent Doors (Sheet Steel), BPZ-DT

- Front-mounted
 - Quick mounting and removing of the door
 - Right or left hinged
 - Opening angle 167°
 - 1-point lock through rotary lock, 3-point lock through clip-down handle
 - Material: Sheet steel, powder-coated, RAL 7035 or RAL 9016, 4mm tempered safety glass according to EN 12150-1 or DIN 1249
 - Weight (kg):
- | | | | | | |
|-------------|-----|------|------|-----------|-----------|
| Width (mm) | 400 | 600 | 800 | 600+400 | 600+600 |
| Height 1700 | 8,1 | 13,3 | 16 | 13,3+10,9 | 13,3+16,9 |
| Height 2000 | 9,4 | 15,6 | 18,6 | 15,6+12,7 | 15,6+19,8 |
- Scope of delivery: 1 Door



Distribution Boards

Floor-Standing Distribution Boards, BPM-F...

- Grounded metal covers
- Excellent stability thanks to the welded construction
- Generous wiring space
- Variable interior layout with/without removable mounting frame
- Structured, multilayer construction for easy accessible installation: base frame - DIN-rails ... - enclosure
- Reversible door hinging

Technical Data

Electrical

Design according to	EN 60439-1/3, IEC 62208
Protection class	I
Degree of protection	IP54
Rated voltage	415 VAC / 50Hz
Rated current	1200 A
depending on the busbar support system	

Earth connections

Base frame	M8 welding bolt
Door	M6 welding bolt

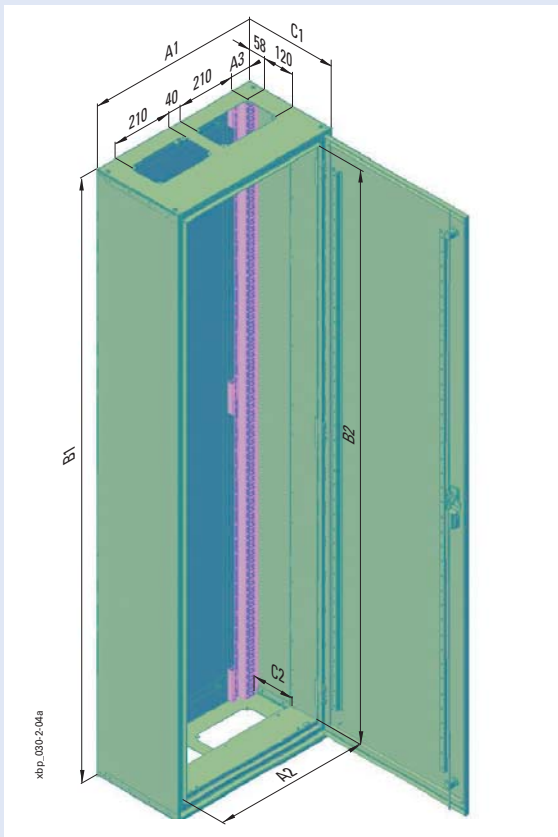
Max. power loss (W) for all devices in the dist. board at 35° C ambient temperature:

Height / Width (mm)	400	600	800	1000	1200
1760	188	268	362	431	490
2060	231	317	395	457	533

Mechanical

Material	Sheet steel
Paint coat	Phosphatised and polyester-powder-coated
Colour	Grey RAL 7035
Door	Doors with covered hinges, Opening angle: 100 degrees
Door lock	Two-way key bit, clip down handle
Cable entry	Open cable entry below and/or above, prepared for F3A-Flanges
Shock resistant	IK07

Dimensions (mm)



Type	Outside dimensions			Inside dimension			Flanges		Number of locks ¹⁾
	Width A1	Height B1	Depth C1	Width A2	Height B2	Depth C2	A3	Amount of F3A flanges ³⁾	
BPM-F-400/17	400	1760	320	320	1650	155	94	1 / 1	3
BPM-F-400/20	400	2060	320	320	1950	155	94	1 / 1	3
BPM-F-600/17	600	1760	320	520	1650	155	69	2 / 2	3
BPM-F-600/20	600	2060	320	520	1950	155	69	2 / 2	3
BPM-F-800/17	800	1760	320	720	1650	155	44	3 / 3	3
BPM-F-800/20	800	2060	320	720	1950	155	44	3 / 3	3
BPM-F-1000/17	1000	1760	320	920	1650	155	144	3 / 3	3 ²⁾
BPM-F-1000/20	1000	2060	320	920	1950	155	144	3 / 3	3 ²⁾
BPM-F-1200/17	1200	1760	320	1120	1650	155	119	4 / 4	3 ²⁾
BPM-F-1200/20	1200	2060	320	1120	1950	155	119	4 / 4	3 ²⁾

¹⁾ Number of hinge cut-outs for rotary handles. doors with clip down handle also available.

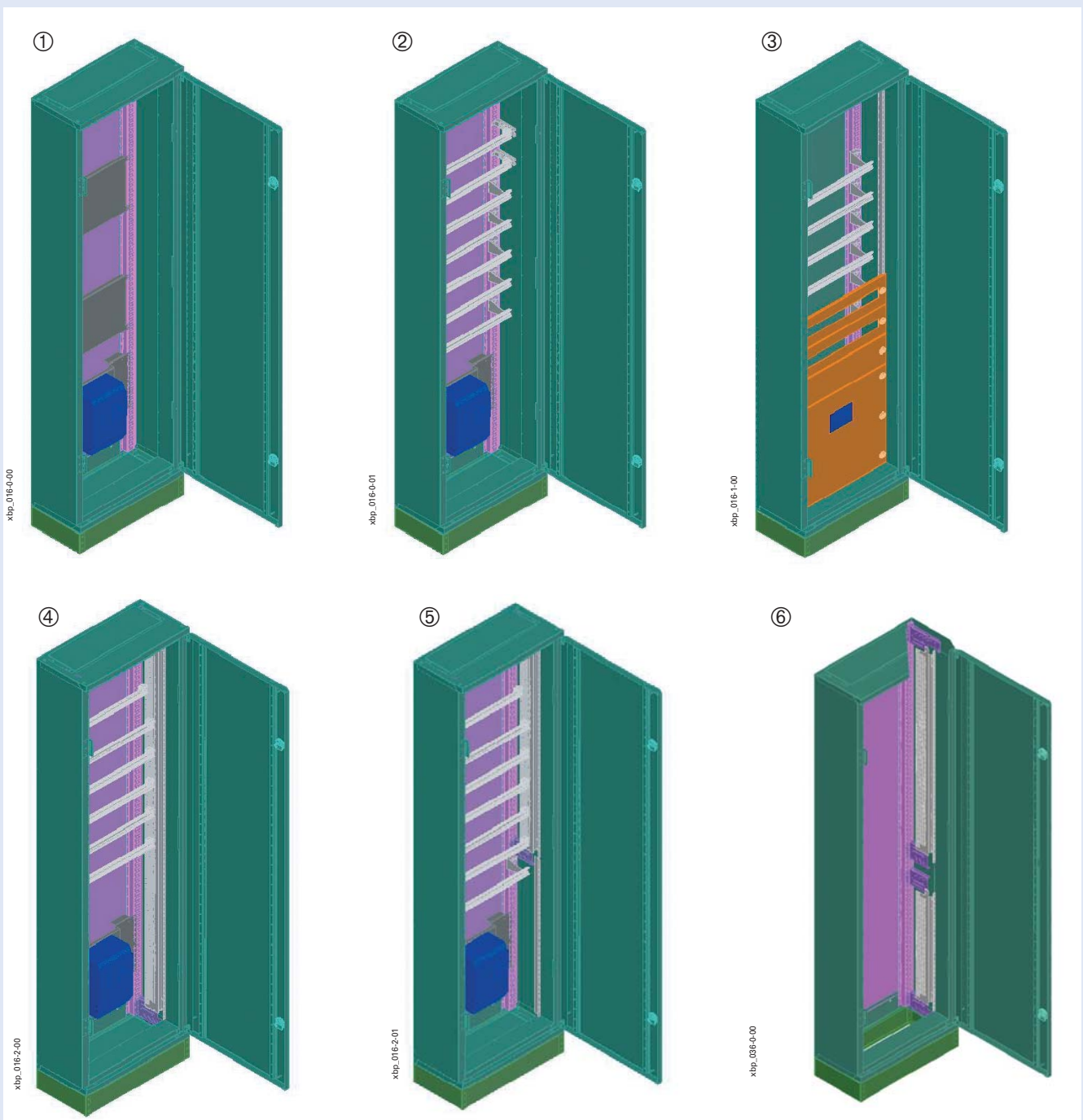
²⁾ Number of locks for the right door. Left door contains two rotary handles in all dimensions.

³⁾ Number of cut outs for F3A flanges on top/on bottom.

Distribution Boards

Possible variants of inside configuration of BP(M)-F

- Installation of inside equipment is identical for both versions BP-F with IP30 and BPM-F with IP54
1. **Installation of mounting plates BPZ-MPL and mounting sets (e.g. BPZ-NZM) directly onto rear frame.** Frontplates can be equipped by means of supports BPZ-FPS.
 2. **Simultaneous installation of mounting plates BPZ-MPL or mounting sets (e.g. BPZ-NZM) and device rails directly onto rear frame.** Device rails can be fitted either with towers BPZ-TF/2 (set with rail BPZ-DINR13-...-B) for standard depth or directly onto rear frame for maximum depth. The other depths between these two utmost ones can be reached with towers BPZ-TA/2 (set with rail BPZ-DINR13-...-T). For this tower, the device rail is fitted by means of fastening elements BEL.
 3. **Example of mounting of frontplates by means of support BPZ-FPS.**
 4. **Application of mounting side walls BPZ-MSW.** Device rails are mounted onto BPZ-MSW by means of fastening elements BEL. Mounting plates and device rails can be fitted directly onto rear frame, as well. Front plates are fastened onto side walls BPZ-MSW for whole board height. Installation of the mounting frame BPZ-MSW is the same as for surface mounting board, i.e. by means of corner towers BPZ-CTS-L. Corner towers BPZ-CTS-L are not in scope of delivery of the board itself.
 5. **Application of mounting side walls BPZ-MSW for partial height of the board.** Suitable e.g. for combination of input power section and installation section in a single board. Short side walls BPZ-MSW are mounted by means of towers BPZ-CTS-L in the corners and towers BPZ-CTS-S in the middle of the board. The towers are not in a scope of delivery of the board. Frontplates are mounted onto BPZ-MSW in the installation section. If the frontplates are asked also for power section, support BPZ-FPS with appropriate length is used for their fixing.
 6. **Application of mounting side walls BPZ-MSW for more sections.** Suitable e.g. for easier mounting of heavy equipment, for splitting up into heavy current and weak current section etc. It is necessary to pay attention to correct position of the tower BPZ-CTS-S (the cutout has to be located at the opposite side to BPZ-MSW).



Distribution Boards

Mounting Inserts, BPZ-MES

- Overview of all available inserts with front plates. Insert fits in Wall-mounting-, Flush-mounting- and Open distribution boards. With MSW application.

	<p>BPZ-MES-600/4</p> <p>48 MU</p>			
<p>BPZ-MES-400/7</p> <p>52 MU</p>	<p>BPZ-MES-600/7</p> <p>96 MU</p>			
<p>BPZ-MES-400/10</p> <p>65 MU</p>	<p>BPZ-MES-600/10</p> <p>120 MU</p>	<p>BPZ-MES-800/10</p> <p>175 MU</p>	<p>BPZ-MES-1000/10</p> <p>230 MU</p>	
<p>BPZ-MES-400/12</p> <p>78 MU</p>	<p>BPZ-MES-600/12</p> <p>144 MU</p>	<p>BPZ-MES-800/12</p> <p>210 MU</p>	<p>BPZ-MES-1000/12</p> <p>276 MU</p>	<p>BPZ-MES-1200/12</p> <p>342 MU</p>
	<p>BPZ-MES-600/15</p> <p>168 MU</p>	<p>BPZ-MES-800/15</p> <p>245 MU</p>	<p>BPZ-MES-1000/15</p> <p>322 MU</p>	<p>BPZ-MES-1200/15</p> <p>399 MU</p>
	<p>BPZ-MES-600/17</p> <p>192 MU</p>	<p>BPZ-MES-800/17</p> <p>280 MU</p>	<p>BPZ-MES-1000/17</p> <p>368 MU</p>	<p>BPZ-MES-1200/17</p> <p>456 MU</p>
	<p>BPZ-MES-600/20</p> <p>216 MU</p>	<p>BPZ-MES-800/20</p> <p>315 MU</p>	<p>BPZ-MES-1000/20</p> <p>414 MU</p>	<p>BPZ-MES-1200/20</p> <p>513 MU</p>

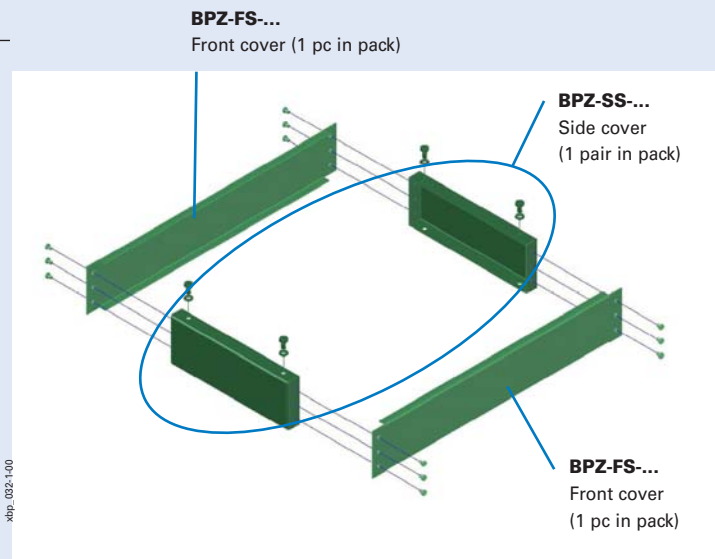
Distribution Boards

Front cover for base, BPZ-FS-..

- Height: 100 mm or 200 mm
- Material: sheet steel, powder-coated, RAL 7035 and RAL 9016
- Scope of delivery: 1 front cover, fixing material

Side cover for base, BPZ-SS-..

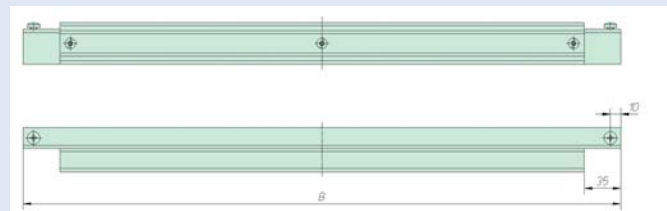
- Height: 100 mm or 200 mm
- Material: sheet steel, powder-coated, RAL 7035 and RAL 9016
- Scope of delivery: 2 side covers, fixing material



Cable Strain-Relief Rail, BPZ-KFS

- Material: Sheet steel, galvanized
- C-Profile 16 mm, for hammerfoot yoke clamps
- Scope of delivery: 1 Cable strain-relief rail incl. fixing material
- Dimensions (mm):

Type	B
BPZ-KFS400	370
BPZ-KFS600	570
BPZ-KFS830	800
BPZ-KFS1200	1170



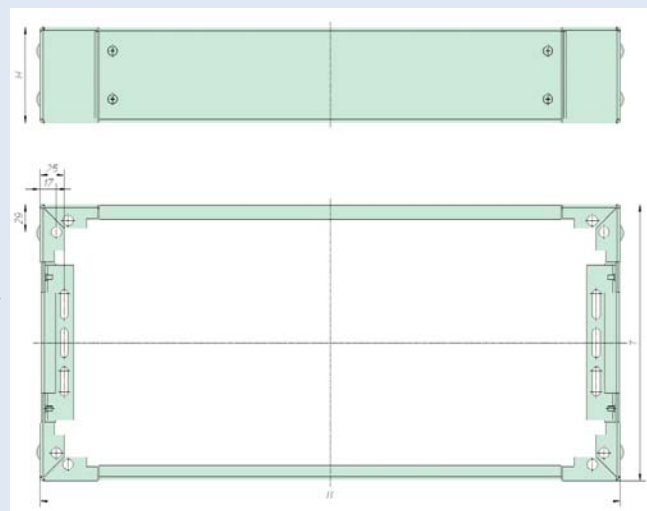
Frontplate Support, BPZ-FPS

- For fixing of front plates
- Mounting of front plates without using of BPZ-MSW
- Enables combination of an installation section with and without MSW in one board
- For mounting of floor standing distribution boards flexible assembling BP-F...F
- Material: 2mm sheet steel, galvanized
- Scope of delivery: 1 pair of Frontplate Support, fixing material

Cable Interconnect Frame, BPZ-KR...

- Height: 100mm or 200mm
- Material: Sheet steel, powder-coated, RAL 7035 or RAL 9016 (BPZ-KR.../300-W)
- Scope of delivery: 1 Cable interconnect frame including fixing material without cable strain-relief rail
- Dimensions (mm):

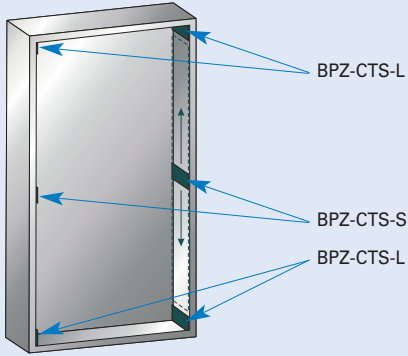
Type	W	H	D
BPZ-KR41/300(-W)	400	100	286.5
BPZ-KR42/300(-W)	400	200	286.5
BPZ-KR61/300(-W)	600	100	286.5
BPZ-KR62/300(-W)	600	200	286.5
BPZ-KR81/300(-W)	800	100	286.5
BPZ-KR82/300(-W)	800	200	286.5
BPZ-KR121/300(-W)	1200	100	286.5
BPZ-KR122/300(-W)	1200	200	286.5
BPZ-KR41/320(-W)	400	100	320
BPZ-KR42/320(-W)	400	200	320
BPZ-KR61/320(-W)	600	100	320
BPZ-KR62/320(-W)	600	200	320
BPZ-KR81/320(-W)	800	100	320
BPZ-KR82/320(-W)	800	200	320
BPZ-KR121/320(-W)	1200	100	320
BPZ-KR122/320(-W)	1200	200	320



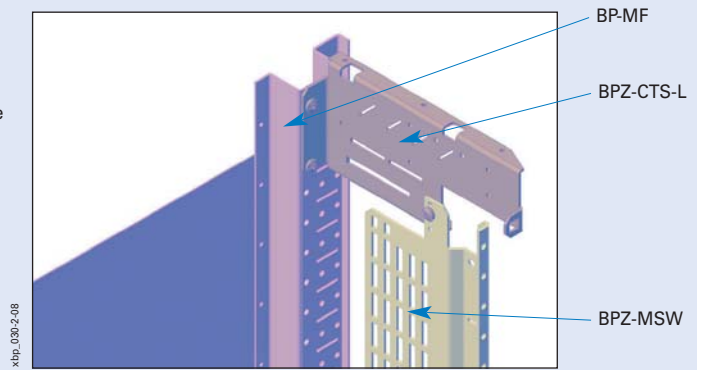
Distribution Boards

Corner tower set, BPZ-CTS

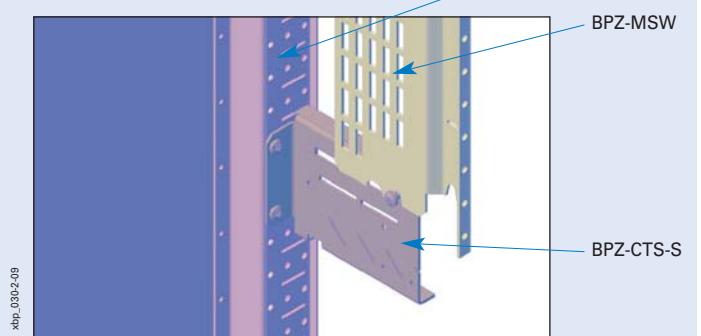
- Mounted directly on the system perforation pattern of the base frame BP-MF
- For fixing the terminal support bar BPZ-TSB
- For fixing the mounting side walls BPZ-MSW
- If towers BPZ-CTS-S are mounted for short side walls BPZ-MSW, it is necessary to pay attention to correct orientation of the towers. The square cutout in tower bend has to be on the other side to BPZ-MSW.
- Scope of delivery: 1 pair of towers (for left and right side), fixing material
- Mounting position:



Detail

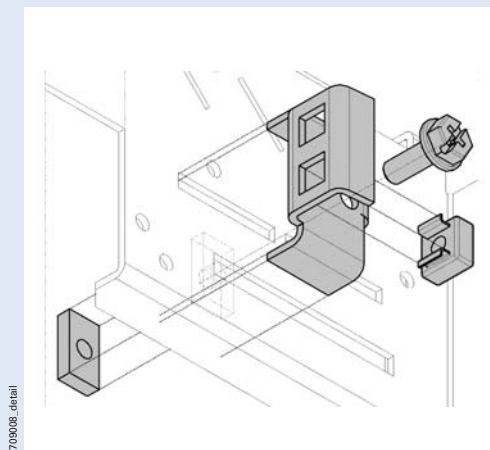
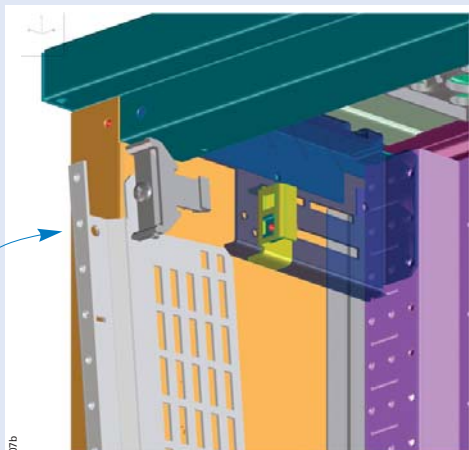
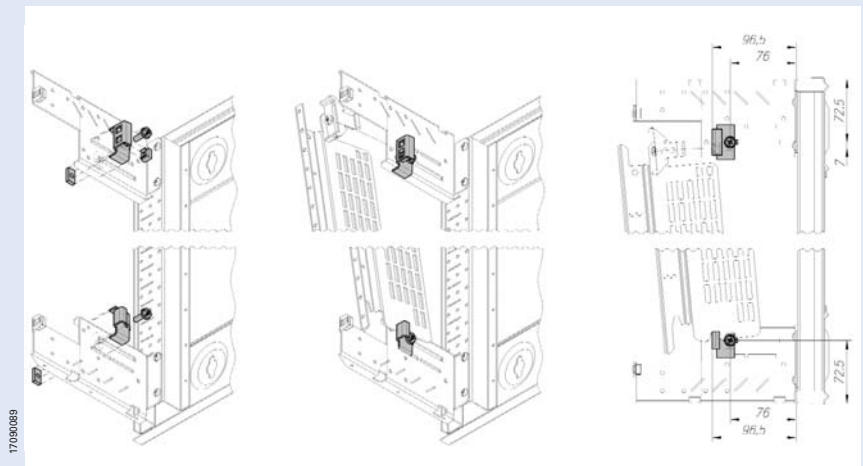


Detail



Set, BPZ-SNAP-MSW-CTS

- Designed for comfort inserting and fixing BPZ-MSW with use BPZ-SNAP to board
- Used for surface mounted boards BP-O, BPM-O and floor-standing boards BP-F, BPM-F
- Set contains top and bottom parts



Distribution Boards

Mounting side walls, BPZ-MSW

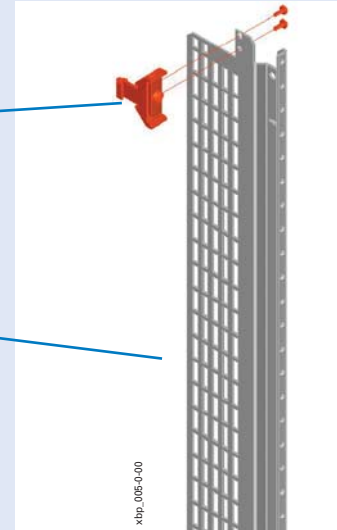
- Mounting side walls for flush mounting boards
- Can be used also for surface mounting or floor standing boards for comfortable mounting of installation devices
- Enables mounting of inside equipment including electrical connection outside the board
- Material:
 - Sheet steel, zinc-coated
- Scope of delivery: 2 mounting side walls

Auxiliary pawl, BPZ-SNAP

- Necessary for mounting of the BPZ-MSW frame into flush mounting boards
- Scope of delivery: 2 pawls

BPZ-SNAP

BPZ-MSW



Separation frame for split build up, BPZ-SF

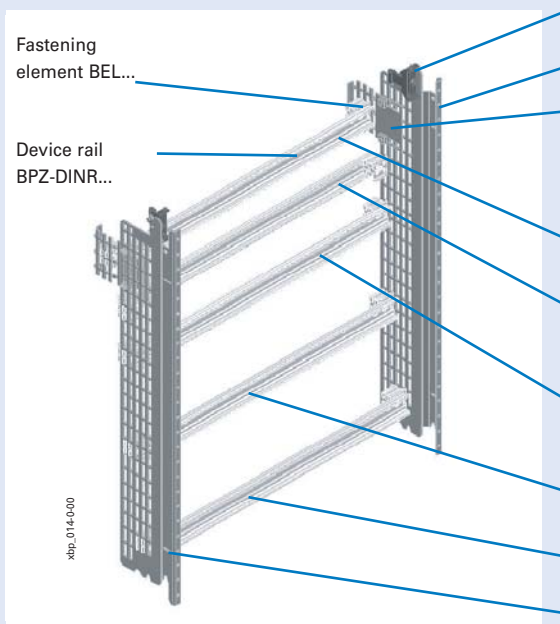
- For splitting a 1000 mm and 1200 mm wide stand alone board into 600/400, 600/600 or 400/800 mm wide compartments
- Material:
 - Profile sheet steel, zinc-coated
 - Front cover sheet steel, powder-coated RAL 7035 and RAL 9016
- Supporting profiles (rear frame) are mounted by means of rivets, front cover by means of screws
- Scope of delivery: 2 profiles, 1 front cover, fixing material



Distribution Boards

Applications of mounting frame, BPZ-MSW

Applications of device rails



Pawl BPZ-SNAP

Side walls BPZ-MSW...

Depth strap TIW-1: Can be mounted into flush mounted boards with wall box of depth 240 mm only. Enables increase of installation depth. Fits also in all other distribution boards.

Attention: depth strap has to be mounted from inner side of side wall with inward bend. In different case it is not possible to mount wall box of flush mounted board.

Device rail in depth (2) mounted with TIW-1 – mounting of devices under the frontplate (e.g. contactors, input/output terminals, N/PE terminals etc.)

Device rail in depth (5) mounting onto rear side of BEL - mounting of devices under the frontplate (e.g. contactors, input/output terminals, N/PE terminals etc.)

Device rail in depth (5) - mounting of devices under the frontplate (e.g. contactors, input/output terminals, N/PE terminals etc.)

Device rail in depth (4) - mounting of power devices, e.g. MCCBs NZM1 with NZM1-XC35 adaptor.

Device rail in depth (2) - mounting of standard modular devices under front plate with 45 mm device cutout

Cutout corresponding to mounting height of device rail 100 mm

Door Support bar, BPZ-TP

- For strengthen the door
- Support assembly units in the door in combination with C-Profil rail BPZ-CP-TP
- Standard length 1200 mm
- Zinc coated

IP30-AP (BP-O, BP-F...(-P))					
H \ B	400	600	800	1000	1200
4	2Stk BPZ-TP-4	2Stk BPZ-TP-4	2Stk BPZ-TP-4		
7	2Stk BPZ-TP-7	2Stk BPZ-TP-7	2Stk BPZ-TP-7		
10	2Stk BPZ-TP-10	2Stk BPZ-TP-10	1Stk BPZ-TP-10	2Stk+2Stk BPZ-TP-10	
12	2Stk BPZ-TP-12	1Stk BPZ-TP-12	1Stk BPZ-TP-12	1Stk+2Stk BPZ-TP-12	1Stk+1Stk BPZ-TP-12
15	2Stk BPZ-TP-15	1Stk BPZ-TP-15	1Stk BPZ-TP-15	1Stk+2Stk BPZ-TP-15	1Stk+1Stk BPZ-TP-15
17	0Stk BPZ-TP-17	0Stk BPZ-TP-17	0Stk BPZ-TP-17	0Stk+0Stk BPZ-TP-17	0Stk+0Stk BPZ-TP-17
20	0Stk BPZ-TP-20	0Stk BPZ-TP-20	0Stk BPZ-TP-20	0Stk+0Stk BPZ-TP-20	0Stk+0Stk BPZ-TP-20

IP30, IP43, IP54-UP (BP(A;M)-U-3S...(-P))					
H \ B	400	600	800	1000	1200
4	2Stk BPZ-TP-4	2Stk BPZ-TP-4			
7	2Stk BPZ-TP-7	2Stk BPZ-TP-7	2Stk BPZ-TP-7		
10	1Stk BPZ-TP-10	1Stk BPZ-TP-10	1Stk BPZ-TP-10	1Stk+1Stk BPZ-TP-10	
12	1Stk BPZ-TP-12	1Stk BPZ-TP-12	1Stk BPZ-TP-12	1Stk+1Stk BPZ-TP-12	1Stk+1Stk BPZ-TP-12
15		1Stk BPZ-TP-15	1Stk BPZ-TP-15	1Stk+1Stk BPZ-TP-15	1Stk+1Stk BPZ-TP-15
17		1Stk BPZ-TP-17	1Stk BPZ-TP-17	1Stk+1Stk BPZ-TP-17	1Stk+1Stk BPZ-TP-17
20		1Stk BPZ-TP-20	1Stk BPZ-TP-20	1Stk+1Stk BPZ-TP-20	1Stk+1Stk BPZ-TP-20

IP54-AP (BPM-O...(-P), BPM-F...(-P))					
H \ B	400	600	800	1000	1200
4	0Stk BPZ-TP-4	0Stk BPZ-TP-4	0Stk BPZ-TP-4		
7	0Stk BPZ-TP-7	0Stk BPZ-TP-7	0Stk BPZ-TP-7		
10	0Stk BPZ-TP-10	0Stk BPZ-TP-10	0Stk BPZ-TP-10	0Stk+0Stk BPZ-TP-10	
12	0Stk BPZ-TP-12	0Stk BPZ-TP-12	0Stk BPZ-TP-12	0Stk+0Stk BPZ-TP-12	0Stk+0Stk BPZ-TP-12
15	0Stk BPZ-TP-15	0Stk BPZ-TP-15	0Stk BPZ-TP-15	0Stk+0Stk BPZ-TP-15	0Stk+0Stk BPZ-TP-15
17	0Stk BPZ-TP-17	0Stk BPZ-TP-17	0Stk BPZ-TP-17	0Stk+0Stk BPZ-TP-17	0Stk+0Stk BPZ-TP-17
20	0Stk BPZ-TP-20	0Stk BPZ-TP-20	0Stk BPZ-TP-20	0Stk+0Stk BPZ-TP-20	0Stk+0Stk BPZ-TP-20

BPZ_TP_Mainix

xBoard

Distribution Boards

Separation horizontal, BPZ-AS

- Only for MSW application
- For creating a horizontal section within the board
- Metal base frame with plastic insert

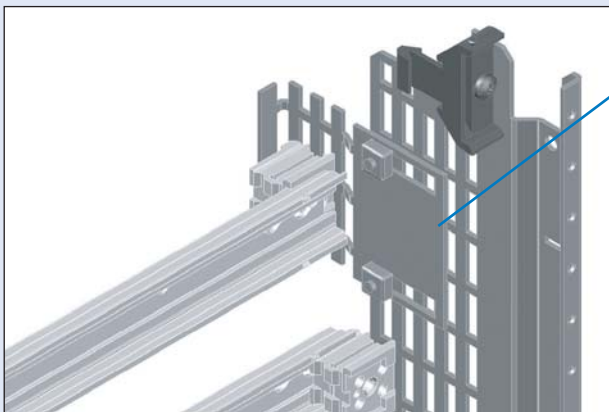
Separation, BPZ-ASMF

- Mounted on main frame
- For creating a horizontal section within the board
- Mounted horizontal with knock-outs

Depth Straps, TIW

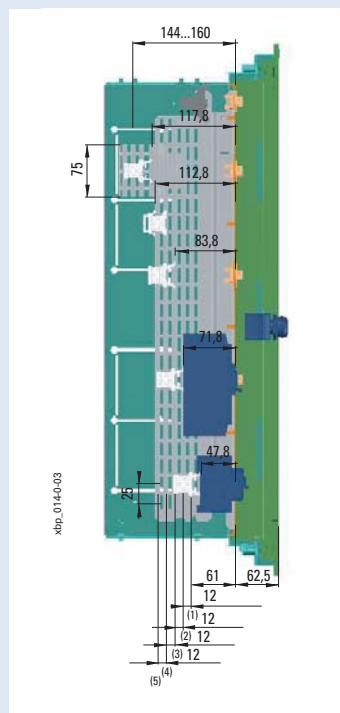
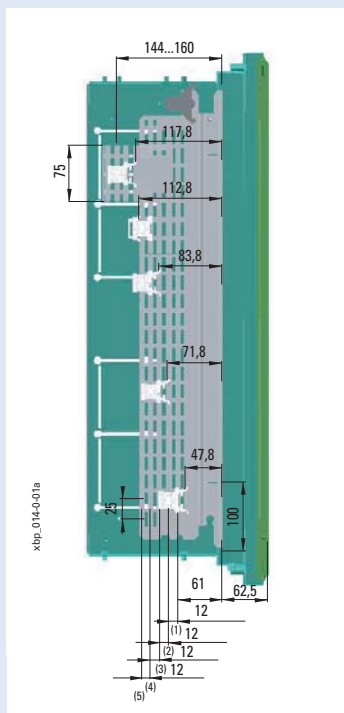
- For assembling of mounting plates deeper than it is possible with BPZ-MSW itself

Detail of assembly of TIW-1



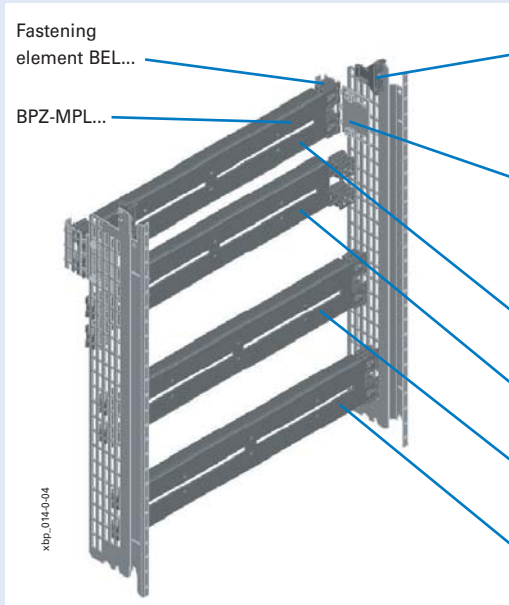
Depth strap TIW-1: Can be mounted into flush mounted boards with wall box of depth 240 mm only.
Attention: depth strap has to be mounted form inner side of side wall with inward bend. In different case it is not possible to mount wall box of flush mounted board.

For surface mounted boards, floor standing boards, the depth strap TIW-1 can be in initial position only.



Distribution Boards

Applications of mounting plates



Pawl BPZ-SNAP

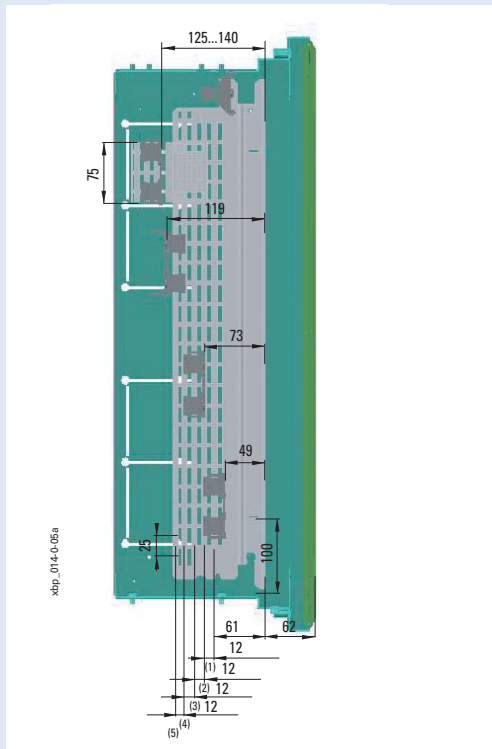
Depth strap TIW-1: Can be mounted into flush mounted boards with wall box of depth 240 mm only. Also in all other distribution boards.
Attention: depth strap has to be mounted from inner side of side wall with inward bend. In different case it is not possible to mount wall box of flush mounted board.

Mounting plate in depth (2) mounted with TIW-1 – mounting of devices under frontplate (e.g. measuring, N/PE terminals, contactors)

Mounting plate in depth (5) mounting onto rear side of BEL - mounting of devices (e.g. MCCBs NZM2)

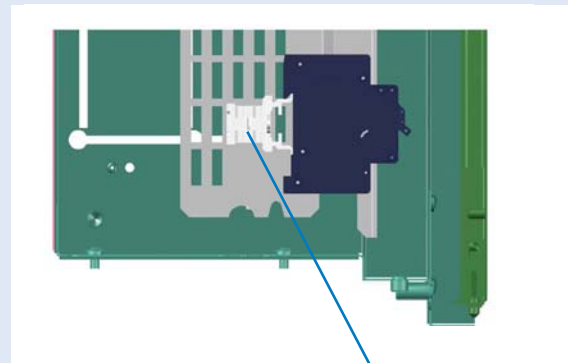
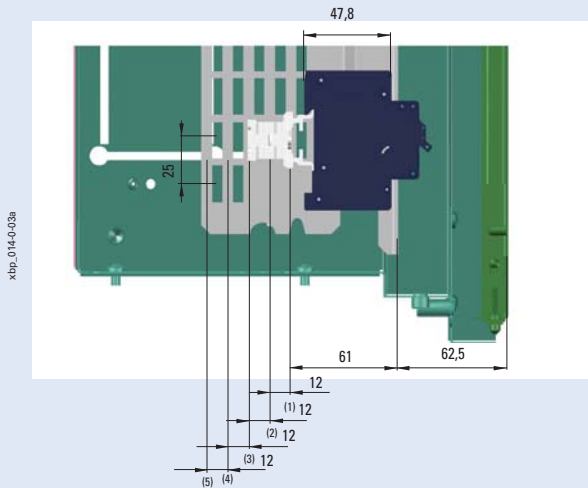
Mounting plate in depth (3) - mounting of devices (e.g. MCCBs NZM1)

Mounting plate in depth (1) - mounting of devices (e.g. fuse disconnectors)



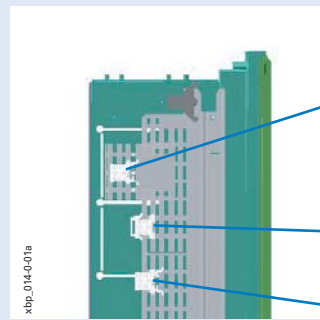
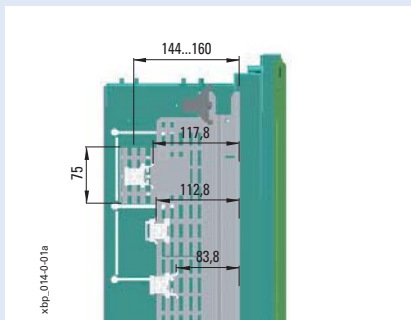
Distribution Boards

Mounting of devices with a possibility of controlling



Device rail in depth (2)

Mounting of devices under frontplate (e.g. contactors without a possibility of manual controlling)

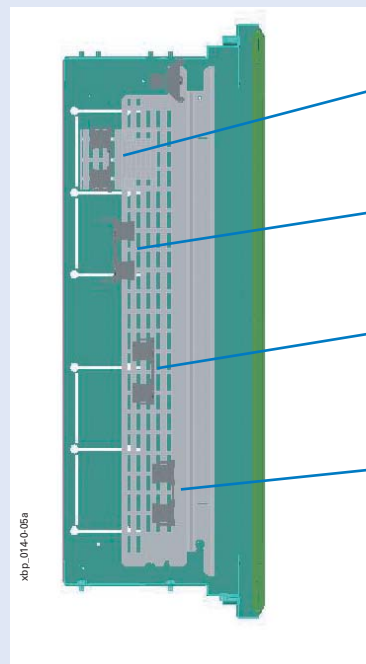
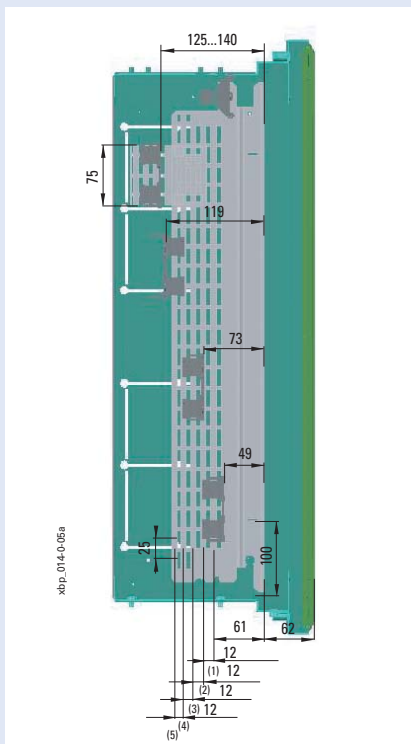


Device rail in depth (2) mounted with TIW-1 (mounting depth can be smoothly adjusted)

Device rail in depth (5) mounting onto rear side of BEL

Device rail in depth (5)

Mounting of devices onto mounting plate



Device rail in depth (1) mounted with TIW-1 (devices with high installation depth, mounting depth can be smoothly adjusted)

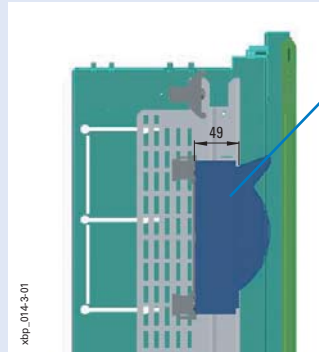
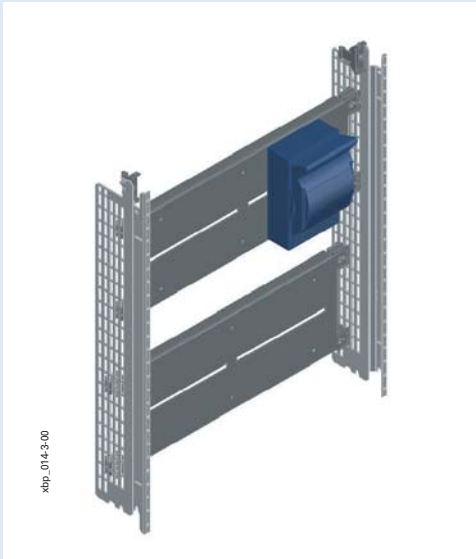
Mounting plate in depth (5) mounted onto turned BEL (devices with high installation depth)

Mounting plate in depth (3) (devices with medium installation depth)

Mounting plate in depth (1) (devices with low installation depth)

Distribution Boards

Mounting of fuse disconnectors LTS



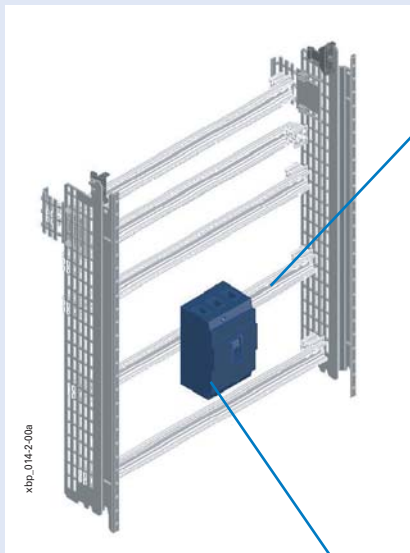
Fuse disconnector size 00:
Mounting plate BPZ-MPL180-...
in depth (1) (mounting depth
49 mm)

Fuse disconnector size 1:
Mounting plate BPZ-MPL350-...
in depth (3) (mounting depth
73 mm)

Fuse disconnector size 2:
Mounting plate BPZ-MPL350-...
in depth (4) (mounting depth
85 mm)

Mounting of moulded case circuit breakers NZM1

- Mounting sets BPZ-NZM...-MSW are recommended for mounting of single breakers NZM1 and NZM2 into flush mounting boards



Mounting onto device rail in depth (4) (the breaker is fastened with adaptor NZM1-XC35).

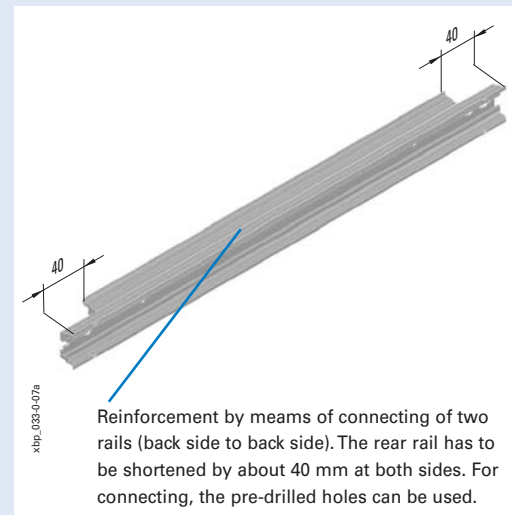
It is necessary to pay attention to mechanical load of device rail – dangerous of twisting if more MCCBs is installed.

In this case it is recommended to use reinforcement by means of another device rail (mounted behind the first one, the rear second rail has to be shortened appropriately).

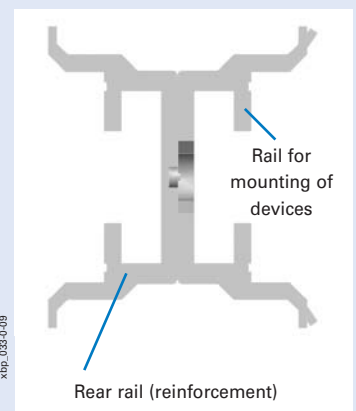
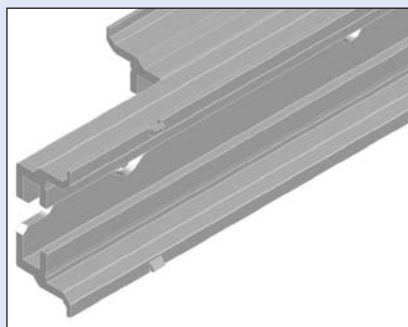
To cover, a front plate BPZ-FP...-45 with 45 mm cutout can be used.

NZM1

Reinforcement of the device rail



Detail



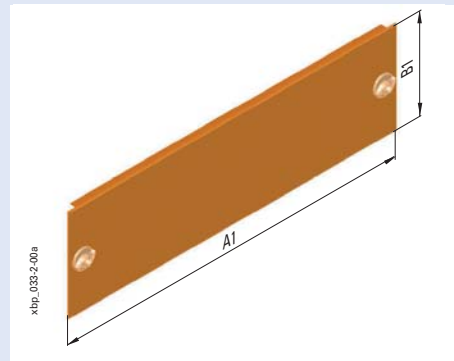
Distribution Boards

Front plates blind, BPZ-FP...-BL

- To cover spare areas or to protect areas in use
- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016
- Metal front plates with automatic connection to the enclosure
- Scope of delivery: 1 front plate

Dimensions [mm]

Type	Outside dimensions	
	Width A1	Height B1
BPZ-FP-400/...-BL	320	50, 100, 150, 200, 250, 300
BPZ-FP-600/...-BL	520	50, 100, 150, 200, 250, 300
BPZ-FP-800/...-BL	720	50, 100, 150, 200, 250, 300
BPZ-FP-1000/...-BL	920	50, 100, 150, 200, 250, 300
BPZ-FP-1200/...-BL	1120	50, 100, 150, 200, 250, 300

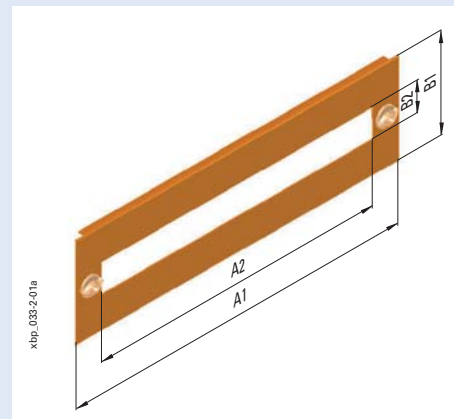


Front plates with 45 mm device cutout, BPZ-FP...-45

- To cover areas accommodating switchgear
- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016
- Metal front plates with automatic connection to the enclosure
- Scope of delivery: 1 front plate

Dimensions [mm]

Type	Outside dimensions		Inside dimensions		TE
	Width A1	Height B1	Width A2	Height B2	
BPZ-FP-400/...-45	320	150, 200	238	46	13
BPZ-FP-600/...-45	520	150, 200	438	46	24
BPZ-FP-800/...-45	720	150, 200	638	46	35
BPZ-FP-1000/...-45	920	150, 200	838	46	46
BPZ-FP-1200/...-45	1120	150, 200	1038	46	57

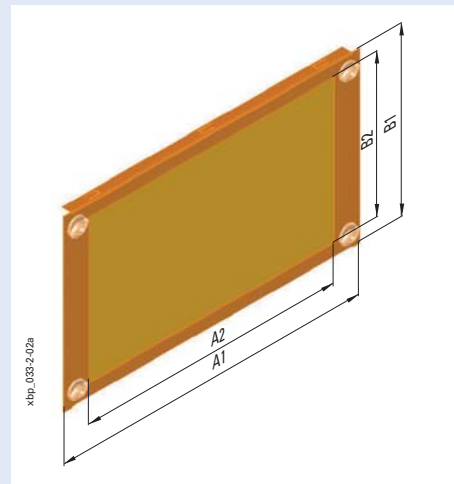


Front plates sheet steel with plastic insert, BPZ-FPP...-BL

- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016
- Metal front plates with automatic connection to the enclosure
- Material of plastic insert: 2mm PVC, similar to RAL 7035
- Scope of delivery: 1 front plate

Dimensions [mm]

Type	Outside dimensions		Inside dimensions	
	Width A1	Height B1	Width A2	Height B2
BPZ-FPP-400/150-BL	320	150	230	90
BPZ-FPP-400/300-BL	320	300	230	254
BPZ-FPP-600/150-BL	520	150	430	90
BPZ-FPP-600/300-BL	520	300	430	254
BPZ-FPP-600/500-BL	520	500	430	454
BPZ-FPP-800/150-BL	720	150	630	90
BPZ-FPP-800/300-BL	720	300	630	254
BPZ-FPP-800/500-BL	720	500	630	454
BPZ-FPP-1000/150-BL	920	150	830	90
BPZ-FPP-1000/300-BL	920	300	830	254
BPZ-FPP-1000/500-BL	920	500	830	454
BPZ-FPP-1200/150-BL	1120	150	1030	90
BPZ-FPP-1200/300-BL	1120	300	1030	254
BPZ-FPP-1200/500-BL	1120	500	1030	454

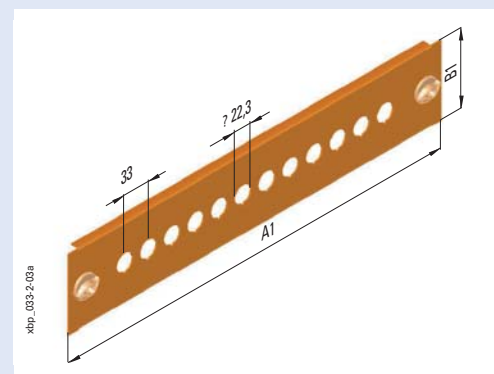


Front plates for command devices RMQ-Titan, BPZ-FP...-RMQ

- Material: sheet steel, powder-coated, RAL 7035 or RAL 9016
- Metal front plates with automatic connection to the enclosure
- Scope of delivery: 1 front plate

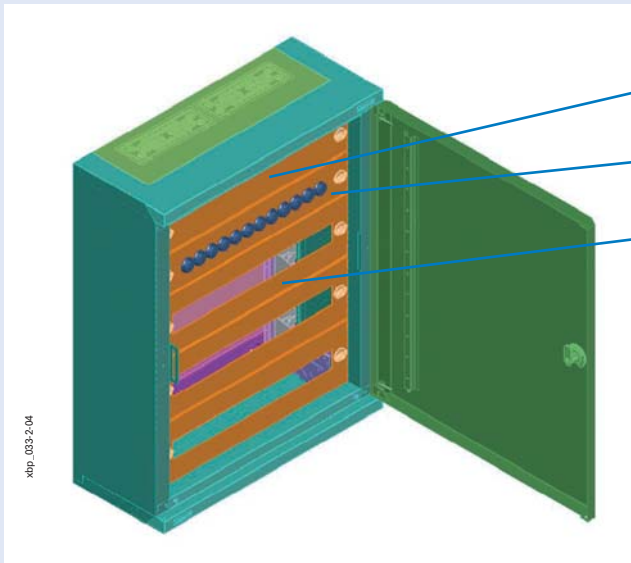
Dimensions [mm]

Type	Outside dimensions		Amount of supports for RMQ
	Width A1	Height B1	
BPZ-FP-400/100-RMQ	320	100	7
BPZ-FP-600/100-RMQ	520	100	12



Distribution Boards

Examples of application of front plates

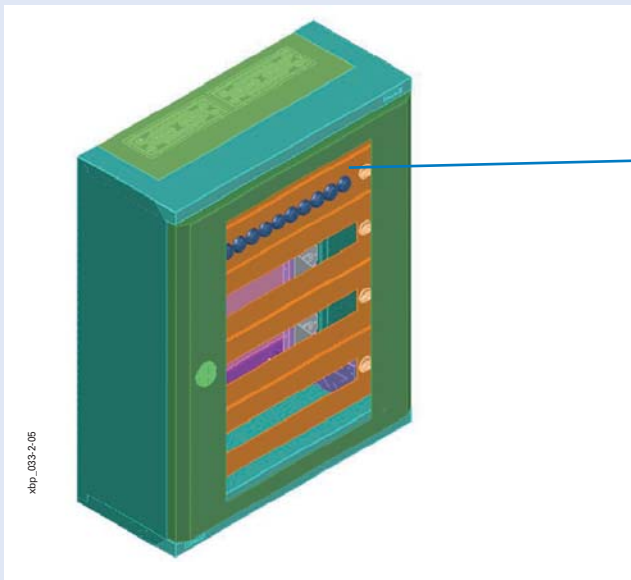


xbrp_033-2-04

Front plate blind
BPZ-FP...-BL

Front plate with command
devices RMO-Titan

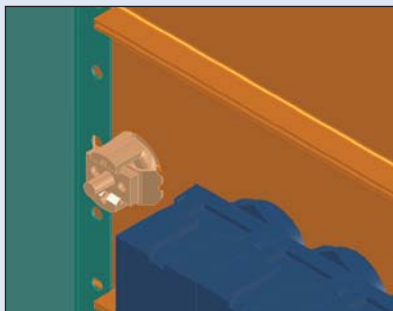
Front plate with device
cutout BPZ-FP...-45



xbrp_033-2-05

Glass door – command and
control devices RMO-Titan
mounted on front plate

Detail



xbrp_033-2-06

Rear view of self-earthing seal.
Conductive connection of the front plates
with frame is type tested.



Distribution Boards

Universal mounting plates BPZ-MPL

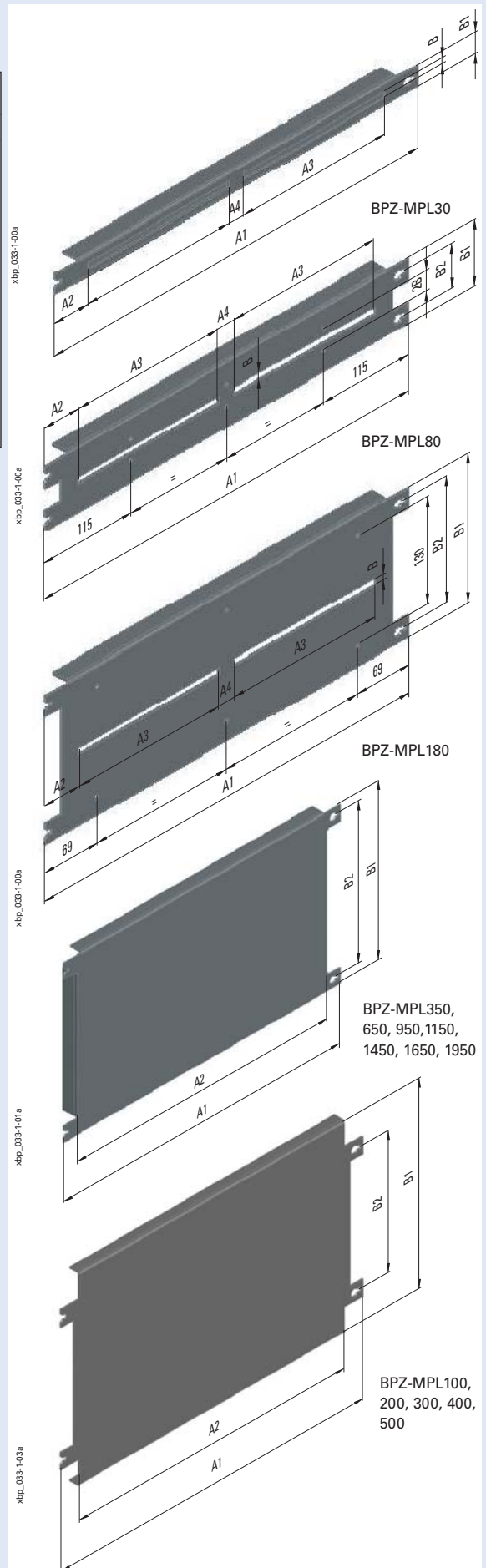
- For mounting busbar supports and many other devices
- Material: sheet steel, zinc-coated
- Scope of delivery: 1 mounting plate, fixing material

Dimensions [mm]

Type	Width				Height		Number of BEL elements on the side
	A1	A2	A3	A4	B1	B2	
BPZ-MPL30-400	288	49	190	20	30	0	1
BPZ-MPL30-600	488	44	190	20	30	0	1
BPZ-MPL30-800	688	46,5	185	20	30	0	1
BPZ-MPL30-1000	888	44	185	20	30	0	1
BPZ-MPL30-1200	1088	41,5	185	20	30	0	1
BPZ-MPL80-400	288	49	190	20	80	50	2
BPZ-MPL80-600	488	44	190	20	80	50	2
BPZ-MPL80-800	688	46,5	185	20	80	50	2
BPZ-MPL80-1000	888	44	185	20	80	50	2
BPZ-MPL80-1200	1088	41,5	185	20	80	50	2
BPZ-MPL180-400	288	49	190	20	180	150	2
BPZ-MPL180-600	488	44	190	20	180	150	2
BPZ-MPL180-800	688	46,5	185	20	180	150	2
BPZ-MPL180-1000	888	44	185	20	180	150	2
BPZ-MPL180-1200	1088	41,5	185	20	180	150	2

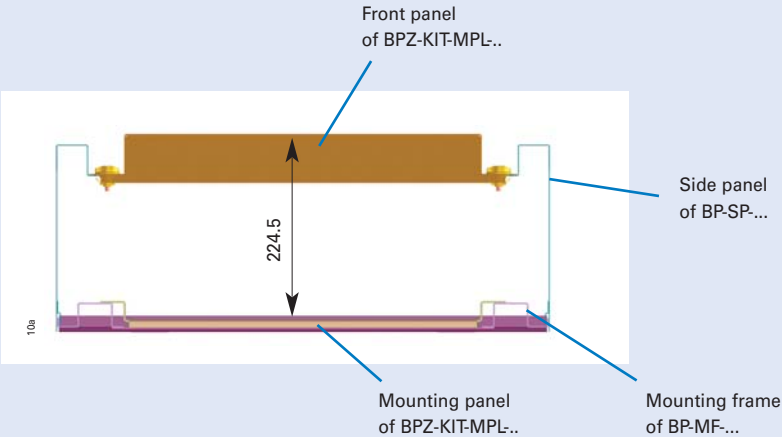
Type	Width		Height		Number of BEL elements on the side
	A1	A2	B1	B2	
BPZ-MPL100-400	288	246	100	50	2
BPZ-MPL100-425 *)	313	253	100	50	2
BPZ-MPL100-600	488	446	100	50	2
BPZ-MPL100-800	688	648	100	50	2
BPZ-MPL100-1000	888	846	100	50	2
BPZ-MPL100-1200	1088	1046	100	50	2
BPZ-MPL200-400	288	246	200	150	2
BPZ-MPL200-425 *)	313	253	200	150	2
BPZ-MPL200-600	488	446	200	150	2
BPZ-MPL200-800	688	648	200	150	2
BPZ-MPL200-1000	888	846	200	150	2
BPZ-MPL200-1200	1088	1046	200	150	2
BPZ-MPL300-400	288	246	300	200	2
BPZ-MPL300-425 *)	313	253	300	200	2
BPZ-MPL300-600	488	446	300	200	2
BPZ-MPL300-800	688	648	300	200	2
BPZ-MPL300-1000	888	846	300	200	2
BPZ-MPL300-1200	1088	1046	300	200	2
BPZ-MPL350-400	288	246	280	250	2
BPZ-MPL350-600	488	446	280	250	2
BPZ-MPL350-800	688	648	280	250	2
BPZ-MPL400-400	288	246	400	300	2
BPZ-MPL400-425 *)	313	253	400	250	2
BPZ-MPL400-600	488	446	400	300	2
BPZ-MPL400-800	688	648	400	300	2
BPZ-MPL400-1000	888	846	400	300	2
BPZ-MPL400-1200	1088	1046	400	300	2
BPZ-MPL500-400	288	246	500	400	2
BPZ-MPL500-425 *)	313	253	500	300	2
BPZ-MPL500-600	488	446	500	400	2
BPZ-MPL500-800	688	648	500	400	2
BPZ-MPL500-1000	888	846	500	400	2
BPZ-MPL500-1200	1088	1046	500	400	2
BPZ-MPL650-400	288	246	580	550	2
BPZ-MPL650-600	488	446	580	550	2
BPZ-MPL650-800	688	648	580	550	2
BPZ-MPL950-400	288	246	880	850	2
BPZ-MPL950-600	488	446	880	850	2
BPZ-MPL950-800	688	648	880	850	2
BPZ-MPL1150-400	288	246	1080	1050	2
BPZ-MPL1150-600	488	446	1080	1050	2
BPZ-MPL1150-800	688	648	1080	1050	2
BPZ-MPL1450-400	288	246	1380	1350	2
BPZ-MPL1450-600	488	446	1380	1350	2
BPZ-MPL1450-800	688	648	1380	1350	2
BPZ-MPL1650-400	288	246	1580	1550	3
BPZ-MPL1650-600	488	446	1580	1550	3
BPZ-MPL1650-800	688	648	1580	1550	3
BPZ-MPL1950-400	288	246	1880	1850	3
BPZ-MPL1950-600	488	446	1880	1850	3
BPZ-MPL1950-800	688	648	1880	1850	3

*) Panels BPZ-MPL..00-425 are suitable only for stand-alone boards XVTL of width 425 mm with direct mounting onto board frame, onto brackets XVTL-BRA/C250 or onto vertical profiles XVTL-VP.



Distribution Boards

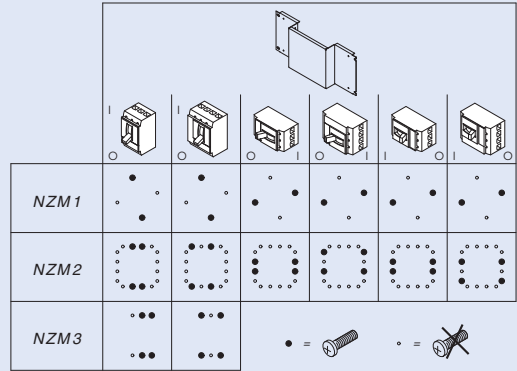
Mounting set for maximal depth of board BPZ-KIT-MPL..



Distribution Boards

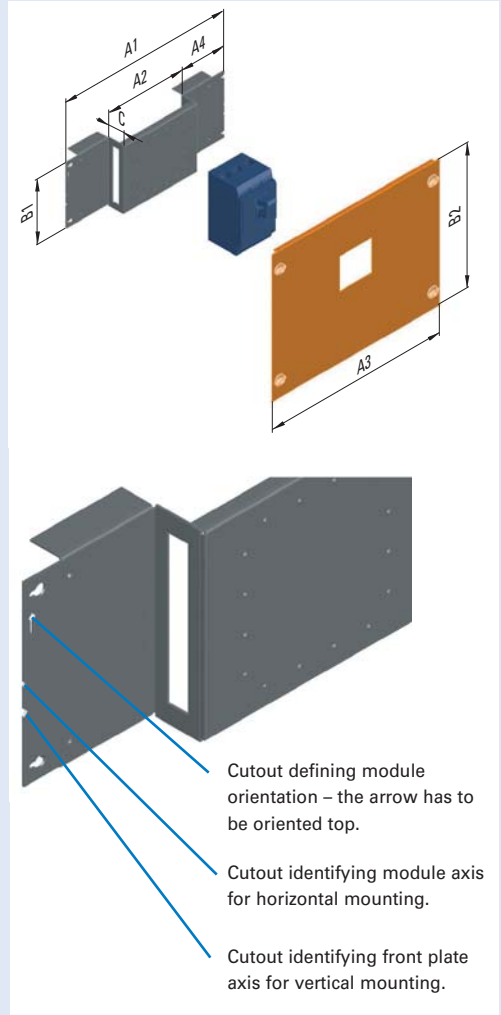
Mounting sets BPZ-NZM for circuit breakers NZM

- Mounting sets BPZ-NZM... for mounting NZM1-3 circuit breakers (position of the breaker vertical or horizontal) for surface-mounted or floor-standing boards
- Material
Front plate: sheet steel, powder-coated, RAL 7035 or RAL 9016
Mounting plate: sheet steel, zinc-coated
- Metal front plates with automatic connection to the enclosure
- Design ...-RH for breakers equipped with rotary door handle, suitable only for surface-mounted or floor-standing boards
- Scope of delivery: 1 mounting plate, 1 front plate, fixing material



Dimensions [mm]

Type	Front plate		Mounting plate				
	Outside dims.		Outside dims.				
	Width	Height	Width	Height			
	A3	B2	A1	B1	A2	A4	C
BPZ-NZM1-400-MV	320	299	292	179	174	61	89.5
BPZ-NZM2-400-MV	320	399	292	179	230	33	54.5
BPZ-NZM3-400-MV	320	499	292	279	244	26	37
BPZ-NZM1-600-MV	520	299	492	179	174	161	89.5
BPZ-NZM2-600-MV	520	399	492	179	230	133	54.5
BPZ-NZM3-600-MV	520	499	492	279	244	126	37
BPZ-NZM1-800-MV	720	299	692	179	174	261	89.5
BPZ-NZM2-800-MV	720	399	692	179	230	233	54.5
BPZ-NZM3-800-MV	720	499	692	279	244	226	37
BPZ-NZM1-400-MH	320	199	292	179	74	61	89.5
BPZ-NZM2-400-MH	320	199	292	179	230	33	54.5
BPZ-NZM1-600-MH	520	199	492	179	174	161	89.5
BPZ-NZM2-600-MH	520	199	492	179	230	133	54.5
BPZ-NZM1-800-MH	720	199	692	179	174	261	89.5
BPZ-NZM2-800-MH	720	199	692	179	230	233	54.5
BPZ-NZM1/MSW-400-MV	320	299	288	185	174	57	16.5
BPZ-NZM2/MSW-400-MV	320	399	288	185	226	129	-18.5
BPZ-NZM1/MSW-600-MV	520	299	488	185	174	157	16.5
BPZ-NZM2/MSW-600-MV	520	399	488	185	226	229	-18.5
BPZ-NZM1/MSW-800-MV	720	299	688	185	174	257	16.5
BPZ-NZM2/MSW-800-MV	720	399	688	185	226	329	-18.5
BPZ-NZM1/MSW-600-MH	520	199	488	185	174	157	16.5
BPZ-NZM2/MSW-600-MH	520	199	488	185	226	229	-18.5
BPZ-NZM1/MSW-800-MH	720	199	688	185	174	257	16.5
BPZ-NZM2/MSW-800-MH	720	199	688	185	226	329	-18.5
BPZ-NZM1-400-MV-RH	320	299	292	179	174	61	54.5
BPZ-NZM2-400-MV-RH	320	399	292	179	230	33	19.5
BPZ-NZM3-400-MV-RH	320	499	292	279	244	26	0
BPZ-NZM1-600-MV-RH	520	299	492	179	174	161	54.5
BPZ-NZM2-600-MV-RH	520	399	492	179	230	133	19.5
BPZ-NZM1-800-MV-RH	720	299	692	179	174	261	54.5
BPZ-NZM2-800-MV-RH	720	399	692	179	230	233	19.5
BPZ-NZM1-600-MH-RH	520	199	492	179	174	161	54.5
BPZ-NZM2-600-MH-RH	520	199	492	179	230	133	19.5
BPZ-NZM1-800-MH-RH	720	199	692	179	174	261	54.5
BPZ-NZM2-800-MH-RH	720	199	692	179	230	233	19.5

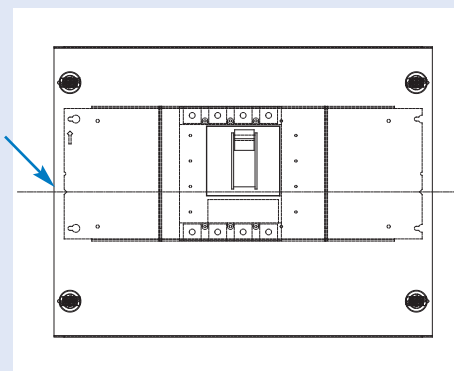
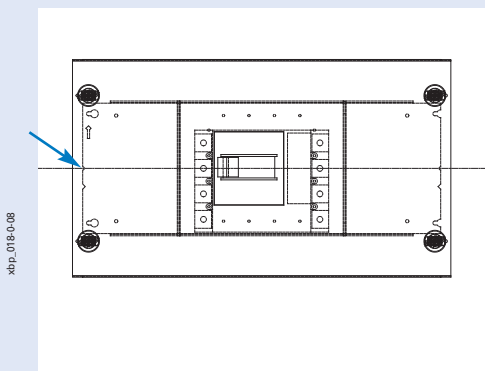


Round cutout:

- identifies axis of the device module
- Identifies front plate axis for horizontal mounting

Sharp cutout:

- identifies front plate axis for vertical mounting (position of the mounting plate is defined by the axis of the front plate)



Distribution Boards

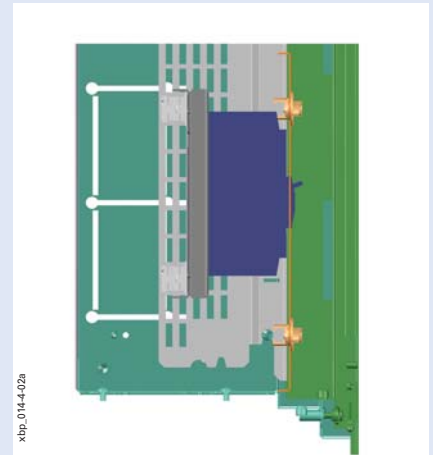
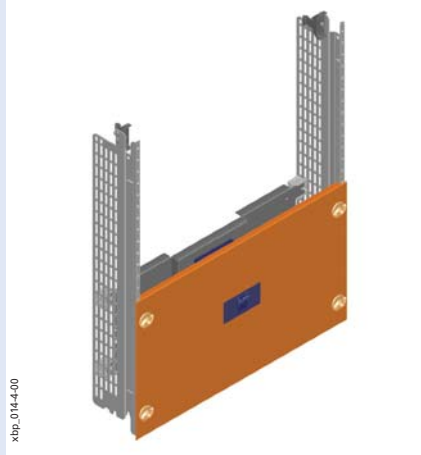
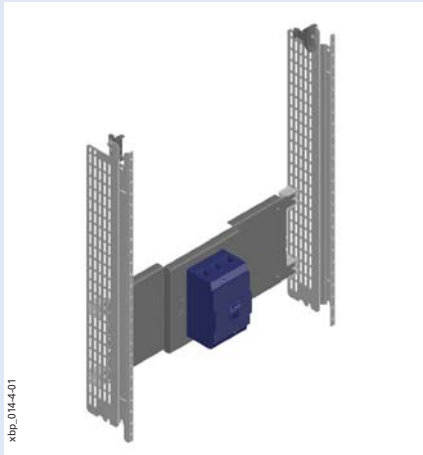
Applications of mounting sets BPZ-NZM...-MSW

- For NZM breakers of type size 1 and 2
- Vertical or horizontal orientation of the breaker
- Mounting on to side walls BPZ-MSW by means of fastening elements BEL

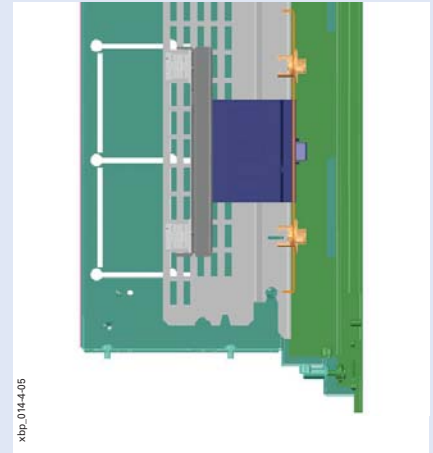
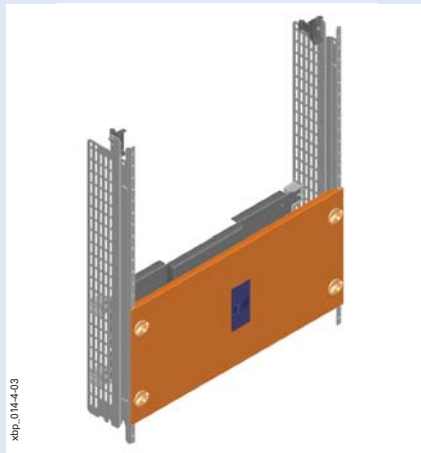
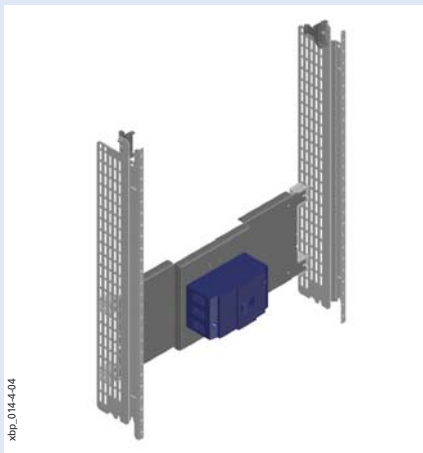
Mounting process:

1. Fixing of a breaker onto mounting plate from the set
2. Installation of the mounting plate with the breaker into board by means of fastening elements BEL
3. Fixing of the front plate

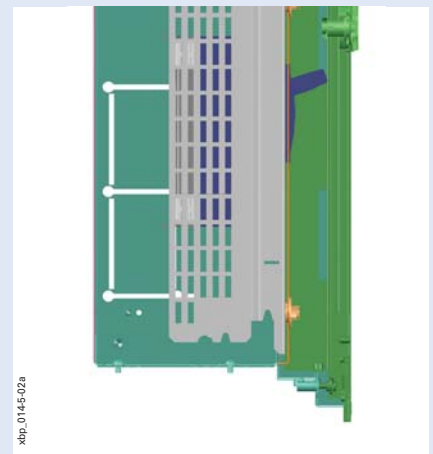
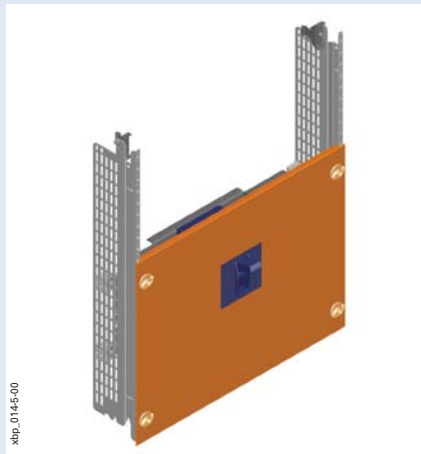
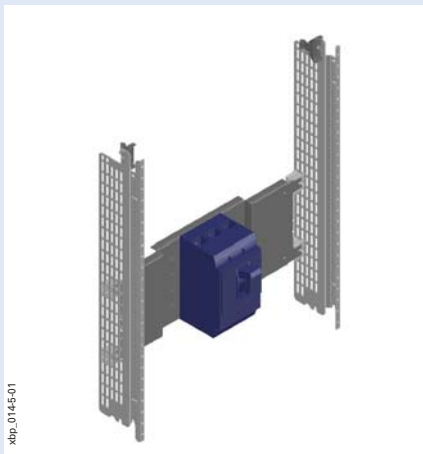
NZM1 breaker, vertical orientation



NZM1 breaker, horizontal orientation

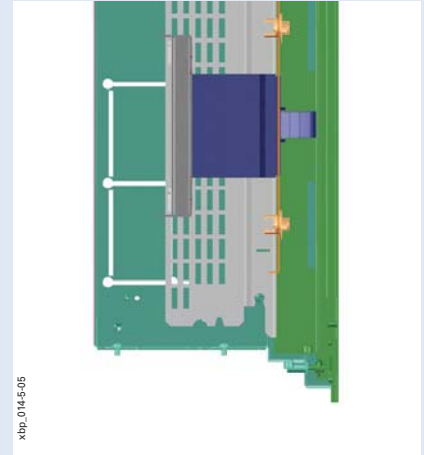
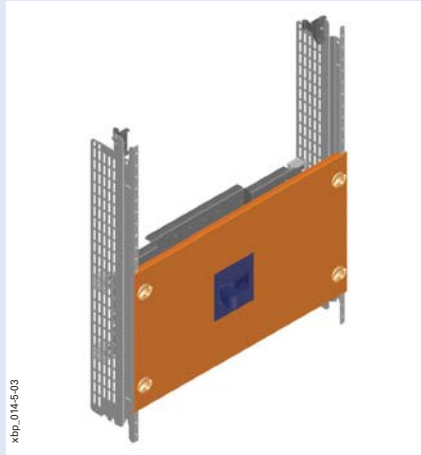
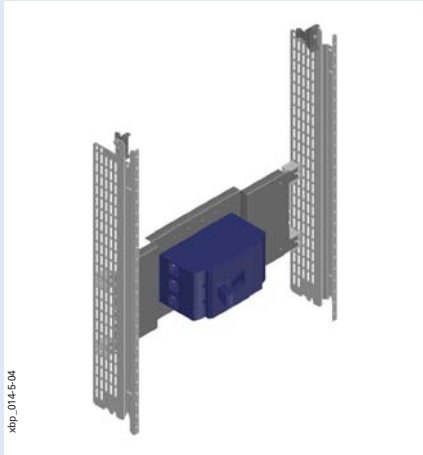


NZM2 breaker, vertical orientation



Distribution Boards

NZM2 breaker, horizontal orientation

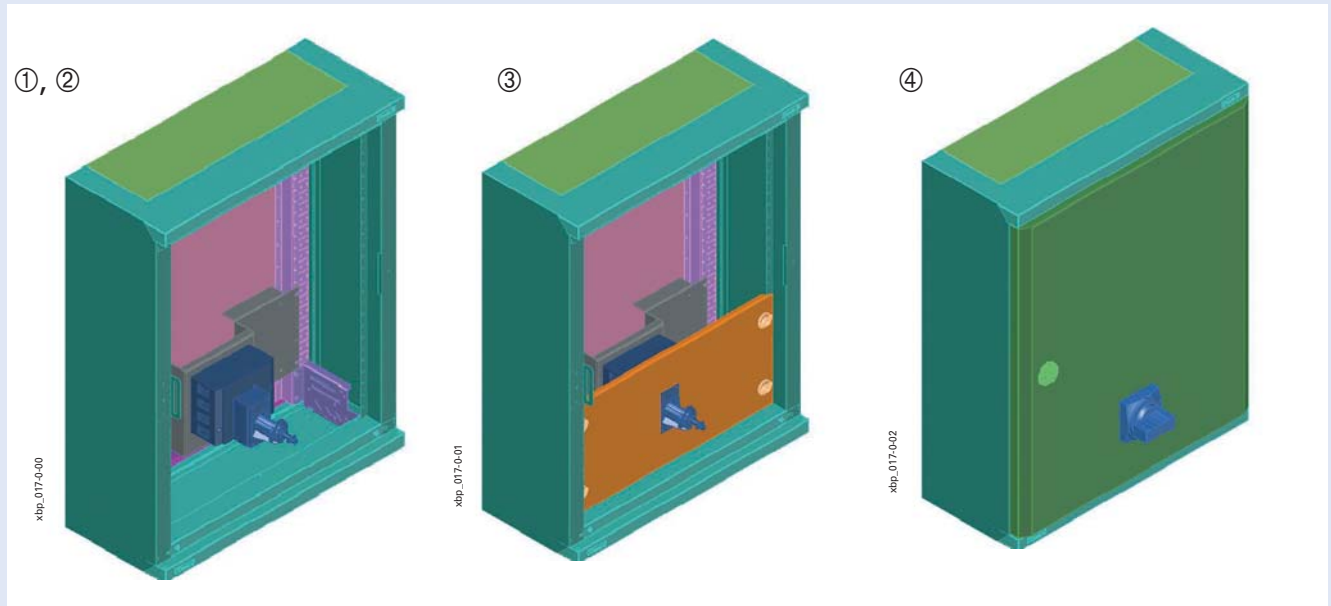


Applications of mounting sets BPZ-NZM...-RH

- Example of utilisation in a surface-mounted board (can be used for floor-standing boards as well)

Mounting process:

1. Fixing of a breaker onto mounting plate from the set
2. Installation of the mounting plate with the breaker into board
3. Fixing of the front plate
4. Mounting of the door coupling and rotary handle



Distribution Boards

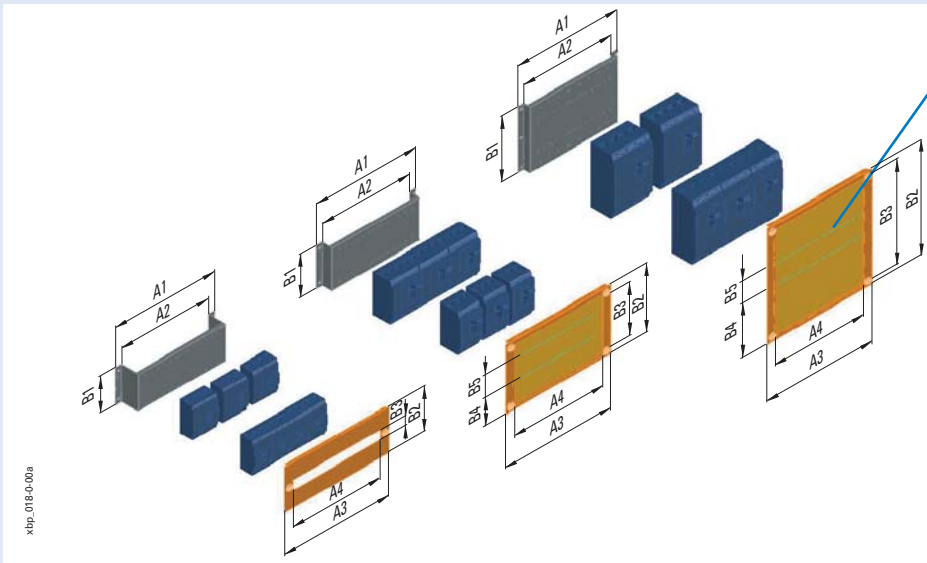
Mounting sets BPZ-NZM.X for multiple mounting of circuit breakers NZM

- For mounting of multiple NZM in vertical position
- Material:
 - Front plate: frame - sheet steel, powder-coated, RAL 7035
 - plastic insert 2 mm PVC
 - Mounting plate: sheet steel, zinc-coated
- Metal front plates with automatic connection to the enclosure
- For surface-mounted or floor-standing distribution boards
- Scope of delivery: 1 mounting plate, 1 front plate, fixing material

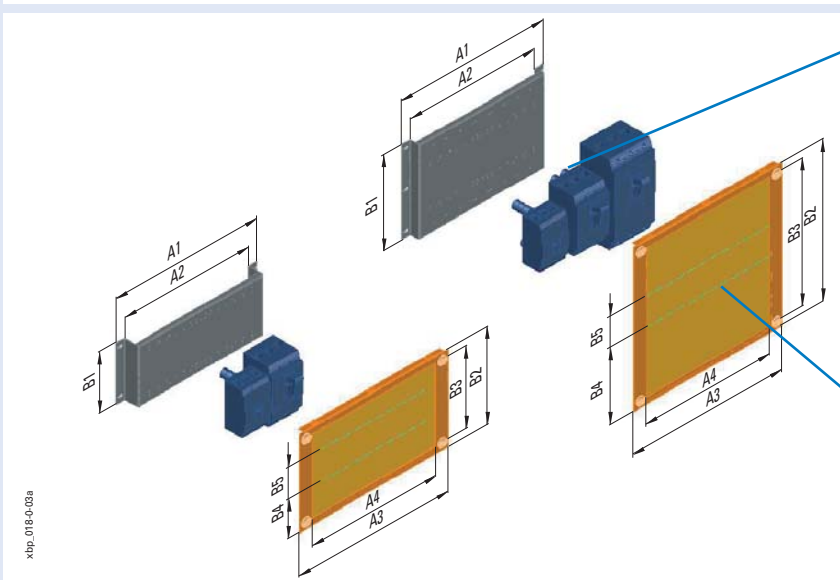
Dimensions [mm]

Type Set	N *)	Mounting plate				Front plate						Note
		Cir. br.	A1	A2	B1	A3	A4	B2	B3	B4	B5	
BPZ-NZM1X-400-MV	2	NZM1	292	232	160	320	238	200	45	-	-	Cutout in the front plate done
BPZ-NZM1X-600-MV	4	NZM1	492	432	160	520	438	200	45	-	-	Cutout in the front plate done
BPZ-NZM1X-800-MV	7	NZM1	692	632	160	720	638	200	45	-	-	Cutout in the front plate done
BPZ-NZM2X-400-MV	2	NZM2	292	232	185	320	230	300	253	119	95	1x set of spacers NZM1/2-XAB 260203
		NZM1	292	232	185	320	230	300	253	119	45	
BPZ-NZM2X-600-MV	3	NZM2	492	432	185	520	430	300	253	119	95	1x set of spacers NZM1/2-XAB 260203
		NZM1	492	432	185	520	430	300	253	119	45	
BPZ-NZM2X-800-MV	5	NZM2	692	632	185	720	630	300	253	119	95	1x set of spacers NZM1/2-XAB 260203
		NZM1	692	632	185	720	630	300	253	119	45	
BPZ-NZM3X-600-MV	3	NZM3	492	432	285	520	430	500	453	234	95	1x set of spacers NZM1/2-XAB 260203
		NZM2	492	432	285	520	430	500	453	219	95	
		NZM1	492	432	285	520	430	500	453	219	45	
BPZ-NZM3X-800-MV	4	NZM3	692	632	285	720	630	500	453	234	95	2x set of spacers NZM1/2-XAB 260203
		NZM2	692	632	285	720	630	500	453	219	95	
		NZM1	692	632	285	720	630	500	453	219	45	

*) Maximum number of 3-pole circuit breakers of given type size



Cutout line for plastic insert of the front plate. The cutout is done during the mounting process according to particular position of the breakers.

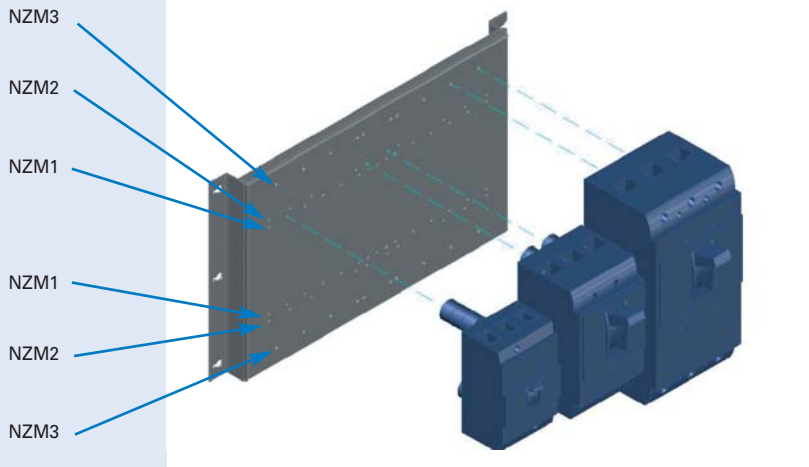


In case that circuit breakers of different type sizes are mounted onto a single mounting plate it is necessary to put spacers NZM1/2-XAB under the smaller-size breaker. Respective number of spacers is given in the table.

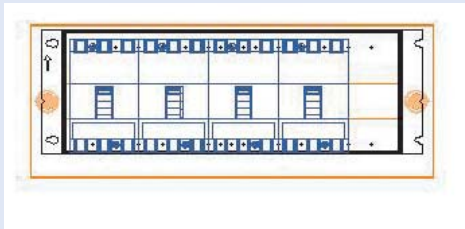
Cutout line for plastic insert of the front plate. The cutout is done during the mounting process according to particular position of the breakers. The dimensions differ for particular type sizes of the circuit breaker and are given in the table.

Distribution Boards

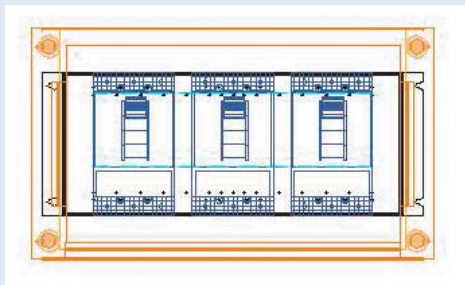
Placing of the mounting holes for particular type sizes of the circuit breakers (BPZ-NZM3X-...)



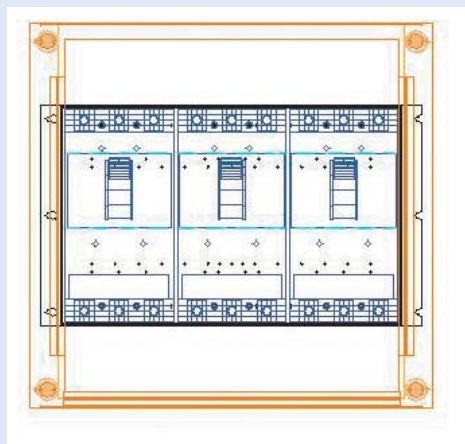
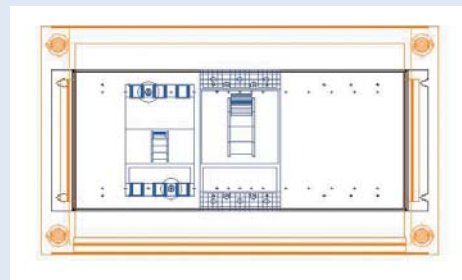
xbp_018-0-04



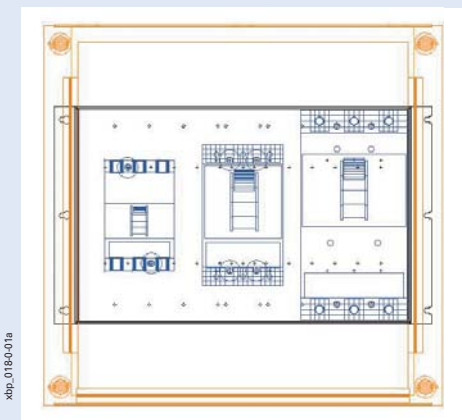
BPZ-NZM1X-...



BPZ-NZM2X-...



BPZ-NZM3X-...

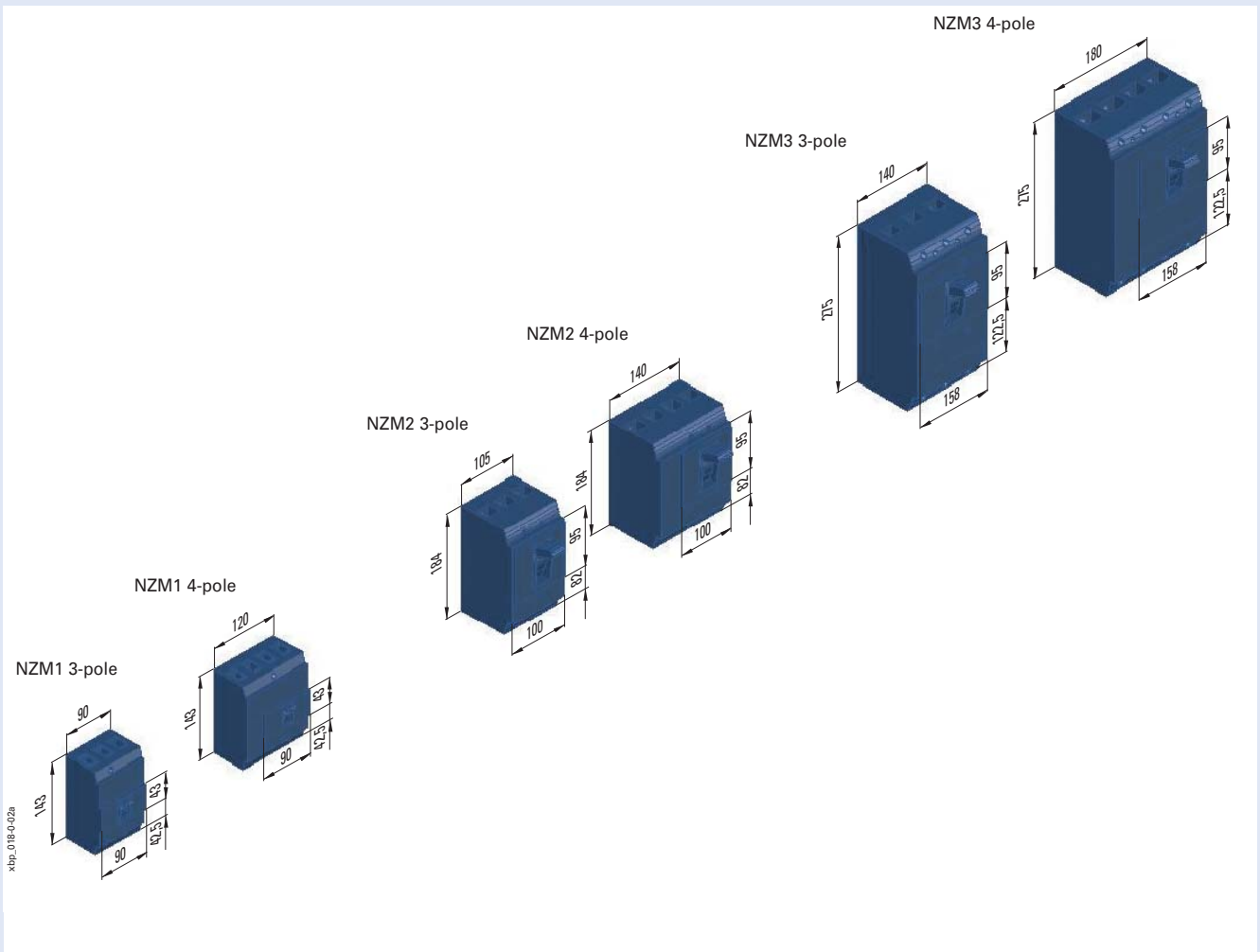


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xbp_018-0-01a

Distribution Boards

Basic dimensions of the circuit breakers NZM



Distribution Boards

Device rail set, BPZ-DINR

- For mounting of installation devices

With adjustable mounting depth BPZ-DINR...T

- Scope of delivery: device rail, 2 adjustable towers, 2 BEL01 fastening elements, fixing material
- Delivered in packs with 10 sets only

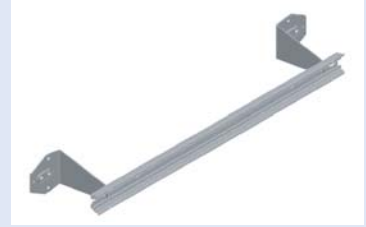
With fixed mounting depth BPZ-DINR...B

- Scope of delivery: device rail, 2 fixed towers, fixing material
- Delivered in packs with 10 sets only
- Conductive connection is type tested

xbp_033-0-00



xbp_033-0-01



Towers for device rail, BPZ-T./2

- For mounting of device rails (without BPZ-MSW)

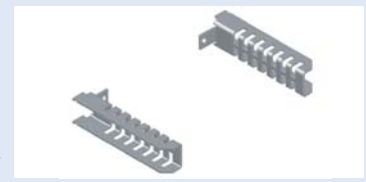
With adjustable depth BPZ-TA/2

- Enables set of mounting depth with 12 mm stepsize
- Scope of delivery: 2 adjustable towers, fixing material

With fixed depth BPZ-TF/2

- Scope of delivery: 2 fixed towers, fixing material
- Conductive connection is type tested

xbp_033-0-02



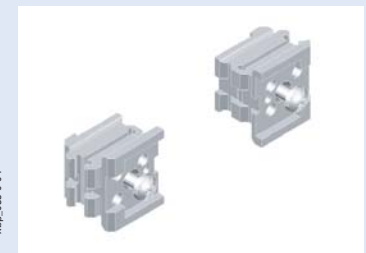
xbp_033-0-03



Fastening elements, BEL

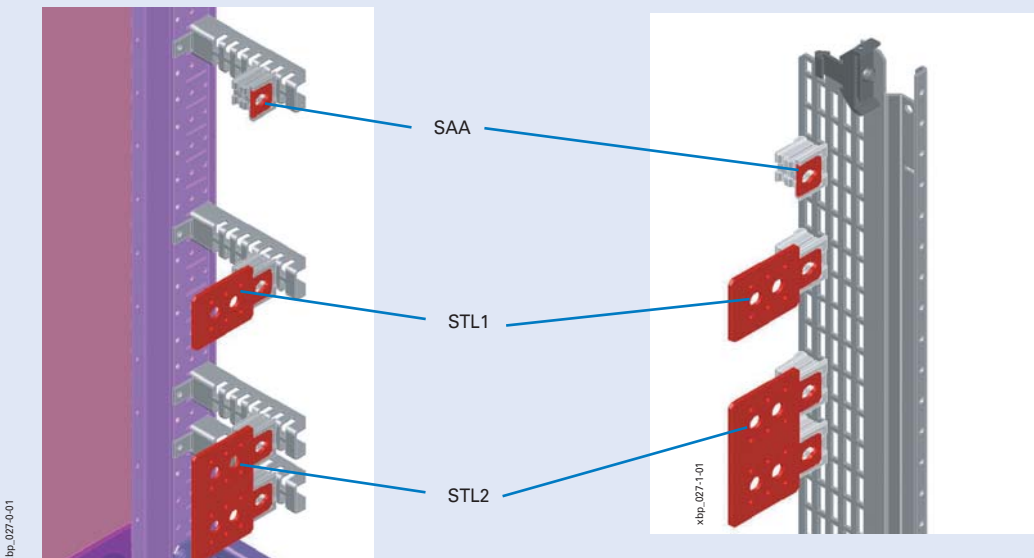
- For mounting device rails onto adjustable towers BPZ-TA or onto mounting side walls BPZ-MSW
- White BEL12 - ungrounded fastening element
- Green BEL01 - grounded fastening element
- Unmounted BEL12A - ungrounded and unmounted fastening element
- Scope of delivery: 2 fastening elements

xbp_033-0-04



Adaptors, SAA, STL

- Adaptors SAA are intended to align the dip in BEL. With the adaptors, it is possible to mount panels and other equipment which is not designed for BEL onto these fastening elements
- Holders STL can be used in the same way as SAA. These holders are enlarged by mounting extension.



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xbp_027-1-01

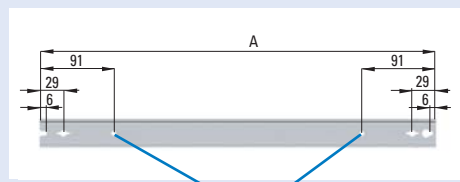
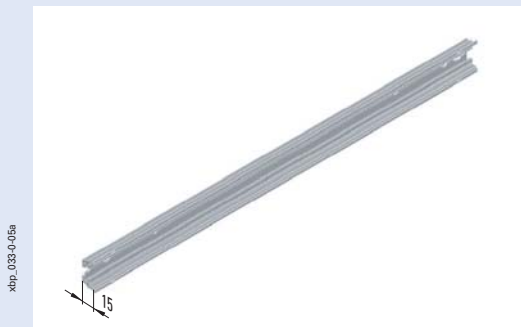
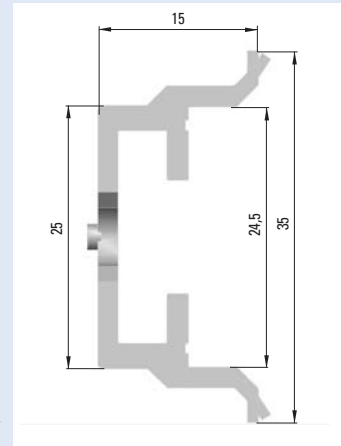
Distribution Boards

Device rails, BPZ-DINR

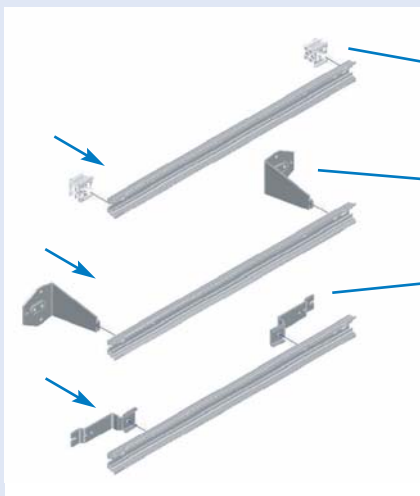
- For mounting of the Installation devices
- Material: Aluminium
- Scope of delivery: 1 device rail

Dimensions [mm]

Type	Outside dimensions		
	Height	Width A	Depth
BPZ-DINR13-400	35	288	15
BPZ-DINR24-600	35	488	15
BPZ-DINR35-800	35	688	15
BPZ-DINR46-1000	35	888	15
BPZ-DINR57-1200	35	1088	15



Holes for mounting of cable duct angles KKW



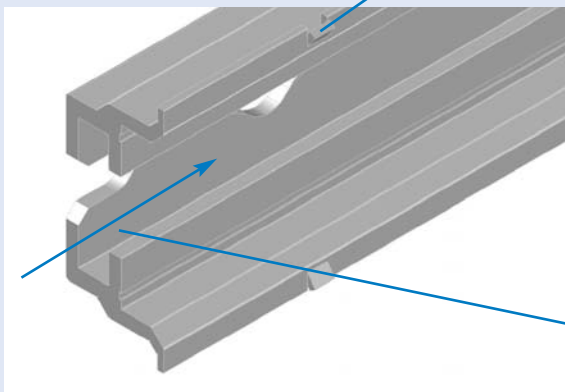
Fastening element BEL for mounting of rail onto tower BPZ-TA or side wall BPZ-MSW.

Tower BPZ-TF for mounting of the rail onto rear frame.

Angle KKW-... for mounting of cable ducts (device rail has to be shortened according to width of the cable duct) – for details see applications of KKW angles

Detail of device rail profile

Stops defining active area of the rail which can be equipped with devices (with respect to cutout in the front plates BPZ-FP-...)

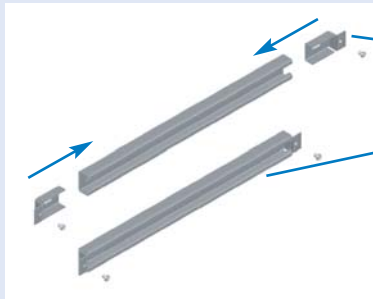


The groove can be used for inserting of slide nuts EGM-4, EGM-5, or for EGM-F (in combination with EGM-4, EGM-5)

Distribution Boards

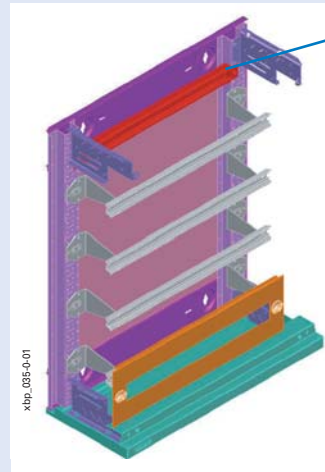
Cable strain relief rail C-profile, BPZ-KAS

- The rail is used to provide strain relief to the cables right after cable entry
- Suitable for mounting cable clips
- Can be used in surface-mounted or floor-standing boards
- To be fixed with fastening angles right above cable entry
- Material: sheet steel, galvanized
- Scope of delivery: 1 cable strain relief rail, 2 fastening angles, fixing material



BPZ-KAS cable strain relief rail, disassembled

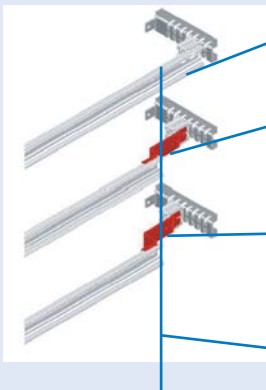
BPZ-KAS cable strain relief rail, assembled, ready for mounting onto rear frame of the surface-mounted board



Cable strain relief rail BPZ-KAS mounted top/bottom inside surface-mounted boards right above cable entry. Cable clips (e.g. NWS-K/AC) should be assembled before rail is mounted.

Cable duct angles, KKW

- For mounting cable ducts featuring a depth of 60 mm (KKW-40) or 80 mm (KKW-DIN)
- Material: sheet steel, zinc-coated
- Scope of delivery: 1 cable duct angle

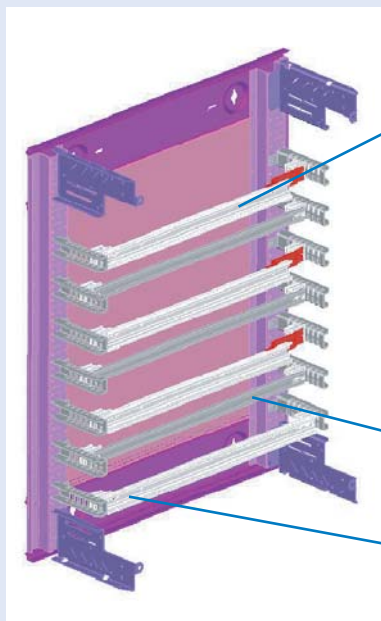


Standard (not shortened) device rail
Fixing element BEL in depth (2)

KKW-40
Mounting of cable ducts of depth of 60 mm
Fixing element BEL in depth (4)

KKW-DIN
Mounting of cable ducts of depth of 80 mm
Fixing element BEL in depth (5)

Length of the rail must be cut out according to width of the vertical cable duct. Maximum width of the cable duct is 80 mm.



Shortened device rail with angle KKW-40 (for cable ducts of depth of 60 mm)
* Fixing element BEL in depth (2) on the left, in depth (4) on the right (at side with angle KKW).

Shortened device rail with angle KKW-DIN (for cable ducts of depth of 80 mm).
* Fixing element BEL in depth (2) on the left, in depth (5) on the right (at side with angle KKW).

Length of the rail must be cut out according to width of the vertical cable duct. Maximum width of the cable duct is 80 mm.

Rail BPZ-CP for mounting of horizontal cable duct
* depth (4) (for cable duct of depth 60 mm)
* depth (5) (for cable duct of depth 80 mm)

Standard length device rail in depth (2) (for mounting of modular devices)

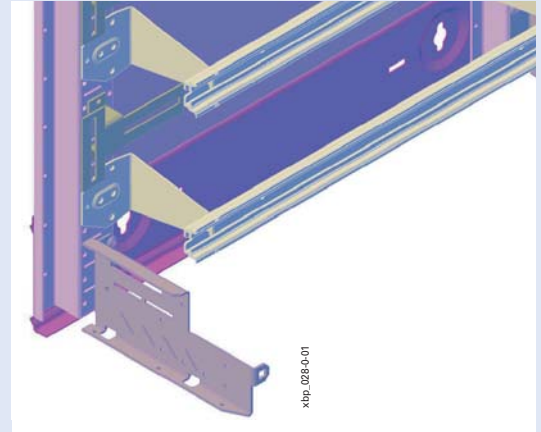
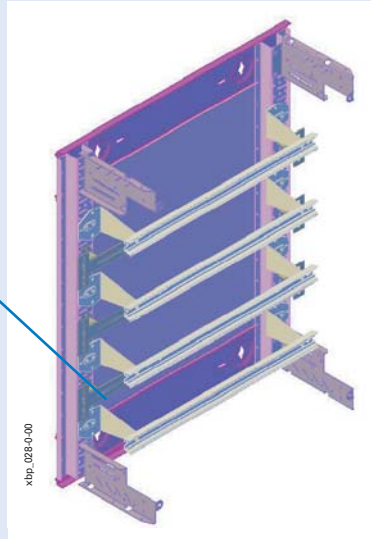
Distribution Boards

Fixing elements for cable duct, BPZ-CDB

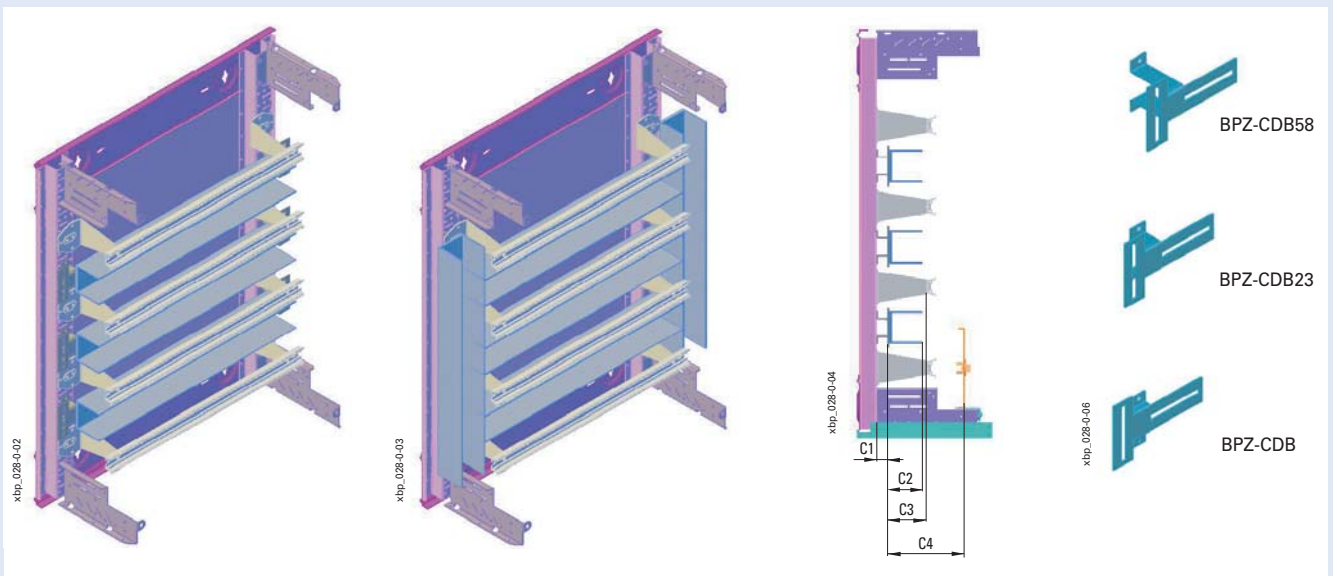
- For mounting cable ducts featuring a depth of 80 mm (BPZ-CDB), 60 mm (BPZ-CDB23) or 40 mm (BPZ-CDB58) for surface-mounted or floor-standing distribution boards
- For board width 400, 600 mm
- For larger widths fixing elements BPZ-CDB../CP are used
- Material: Sheet steel, zinc-coated
- Scope of delivery: 2 fixing elements, fixing material

Detail of mounting and applications

Cable duct fixing elements BPZ-CDB. Mounting onto rear frame (only for surface-mounted and floor-standing boards). A type is chosen according to height of the cable duct.



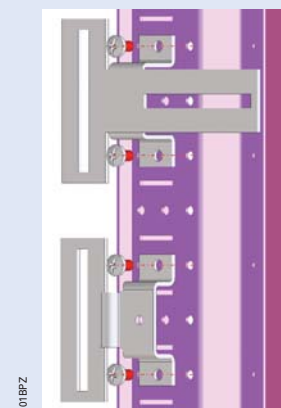
Fixing elements BPZ-CDB equipped with cable ducts (for board of width of 400, 600 mm)



Dimensions [mm]

Type	Fixing element height	Recommended height of the cable duct	Maximum height of the vertical cable duct	Maximum height of the horizontal cable duct
	C1	C2	C3	C4
BPZ-CDB	8	80	85	150
BPZ-CDB23	23	60	70	135
BPZ-CDB58	58	40	40	100

Detail of mounting

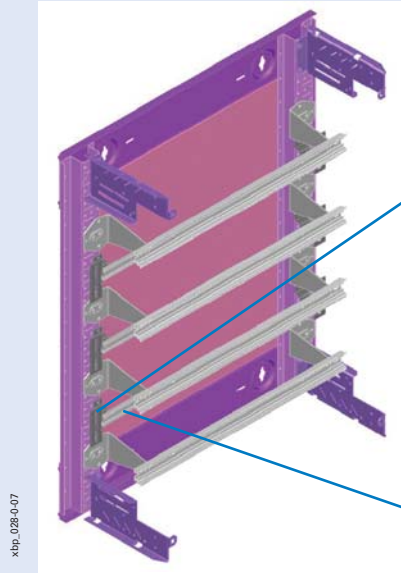


Distribution Boards

Fixing elements for cable duct, BPZ-CDB../CP

- For mounting cable ducts featuring a depth of 80 mm (BPZ-CDB/CP), 60 mm (BPZ-CDB23/CP) or 40 mm (BPZ-CDB58/CP) for surface-mounted or floor-standing distribution boards
- For board with 800 to 1200 mm
- Fixing elements are supplemented with rails BPZ-CP
- Material: sheet steel, zinc-coated
- Scope of delivery: 2 fixing elements, fixing material

Detail of mounting and application



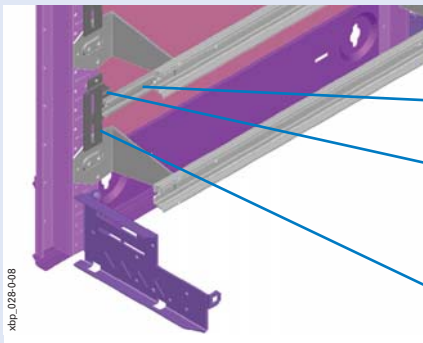
Fixing elements for cable ducts BPZ-CDB-...

Mounting onto rear frame (only for surface-mounted and floor-standing boards) for widths 800 mm and larger.

A type is chosen according to height of the cable duct. Cable duct is assembled onto C-profile rail which is mounted with the fixing element. An advantage – better mechanical stability of the cable duct.

C-profile rail BPZ-CP-...

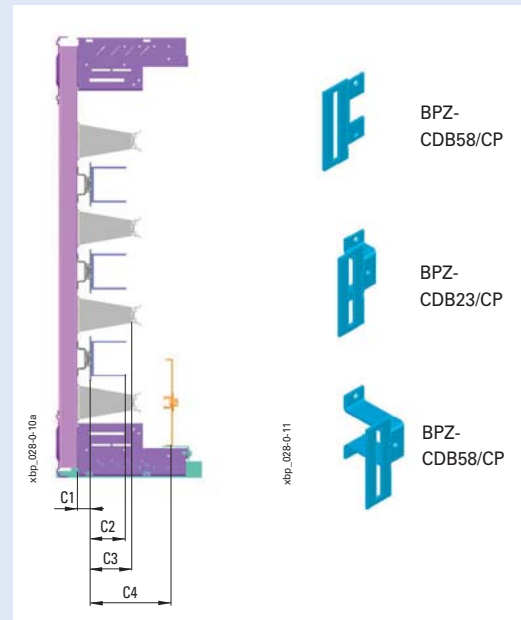
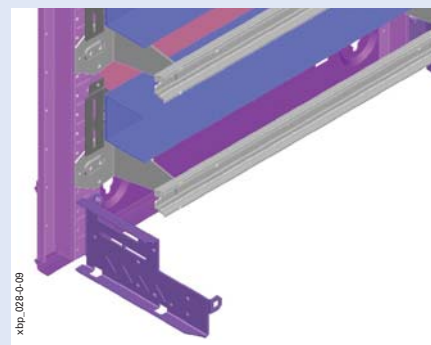
Fixing elements BPZ-CDB equipped with cable ducts (for board of width of 800 to 1200 mm)



C-profile rail BPZ-CP-...

Mounting in between two device rails onto mounting frame to the hole nearest to board center

Cable duct fixing elements BPZ-CDB-...



Dimensions [mm]

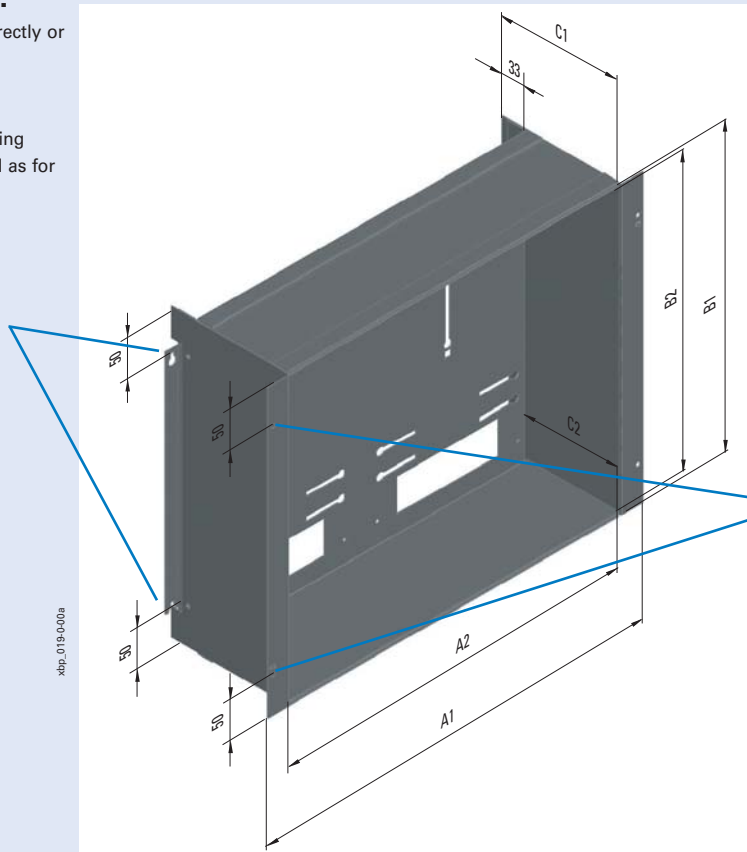
Type	Fixing element height	Recommended height of the cable duct	Maximum height of the vertical cable duct	Maximum height of the horizontal cable duct
	C1	C2	C3	C4
BPZ-CDB8/CP	7	80	85	150
BPZ-CDB23/CP	24	60	70	135
BPZ-CDB58/CP	54	40	40	100

Distribution Boards

Meter troughs, BPZ-MT...

- Meter troughs for mounting meter directly or via meter plates ZBR
- Material: sheet steel, powder-coated, RAL 7035
- Scope of delivery: 1 meter trough, fixing material (screws for mounting as well as for metering cross)

Openings for fixing onto rear frame in surface-mounted boards IP30 or for hanging in surface-mounted boards IP54 and floor-standing boards



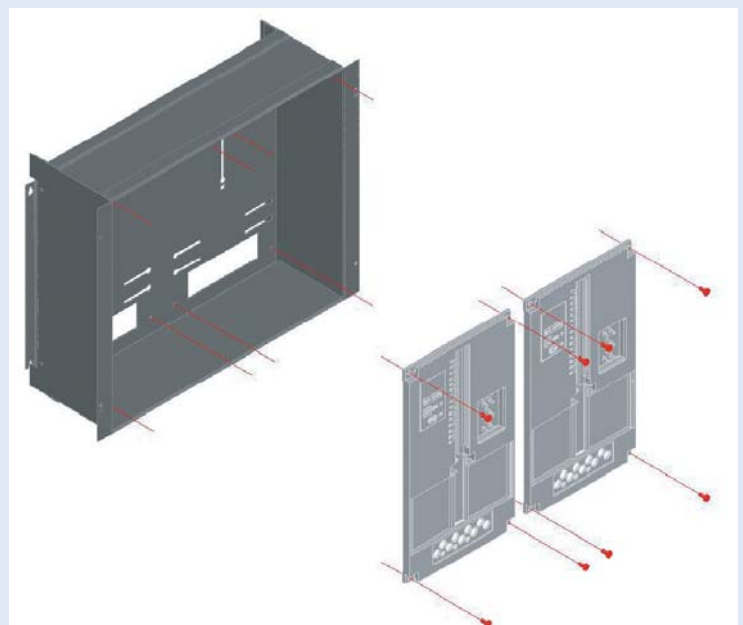
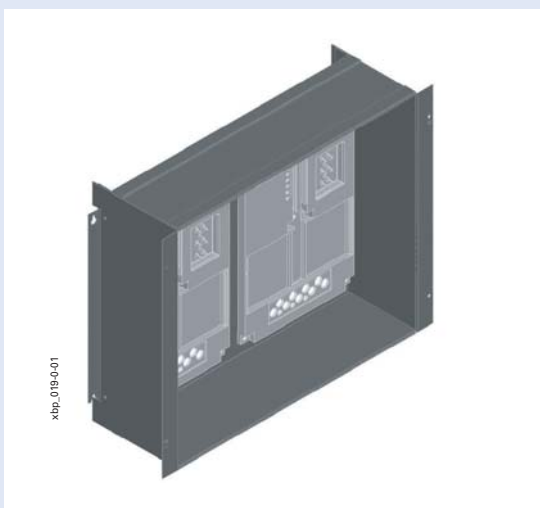
Openings for fixing onto side walls BPZ-MSW or support BPZ-FPS (if mounted without BPZ-MSW into surface-mounted boards IP54 or floor-standing boards for which there is not access for rear mounting due to welded construction of the board)

Dimensions [mm]

Type	Outsider dimensions					
	Width	Height	Depth			
	A1	B1	C1	A2	B2	C2
BPZ-MT-400/400-1	320	400	165	-	390	130
BPZ-MT-600/400-2	520	400	165	459	390	130
BPZ-MT-800/400-3	720	400	165	659	390	130
BPZ-MT-1000/400-4	920	400	165	859	390	130
BPZ-MT-1200/400-5	1120	400	165	1059	390	130
BPZ-MT-400/450-1	320	450	165	-	440	130
BPZ-MT-600/450-2	520	450	165	459	440	130
BPZ-MT-800/450-3	720	450	165	659	440	130
BPZ-MT-1000/450-4	920	450	165	859	440	130
BPZ-MT-1200/450-5	1120	450	165	1059	440	130

Mounting of meter plates ZBR into troughs BPZ-MT

- Meter plates ZBR are fixed with screws in the corners (in scope of delivery of the plates)



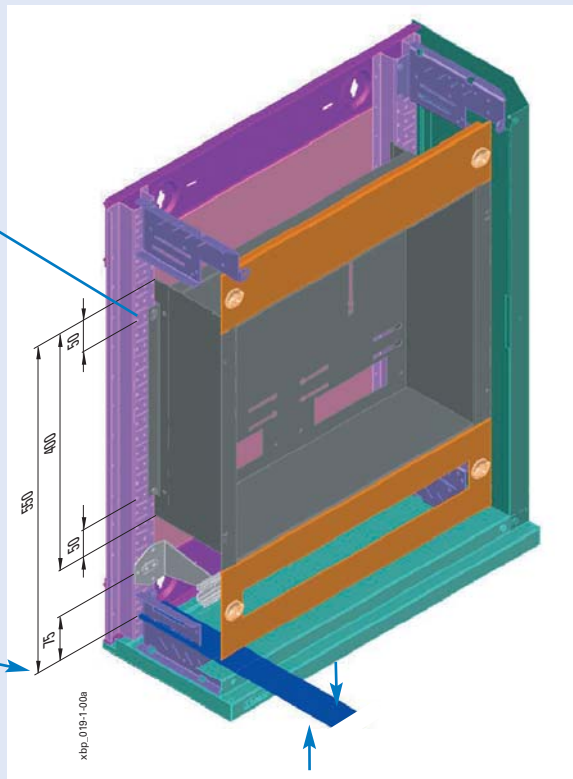
Distribution Boards

Application of meter through in a surface-mounted board IP30

- Trough is mounted directly onto rear frame
- Sealing screws for securing of the trough can be screwed into support BPZ-FPS
- In case of use BPZ-MSW, the through is fixed via front part onto BPZ-MSW (see application in flush-mounted board)
- Meter through has to be mounted into board earlier the side walls BP-SP!

Attachement of the through onto rear mounting frame

Zero position for mounting of device rails and mounting plates (the second opening from the bottom). Defines lower edge of the first bottom front plate. Standard height of the front plates is 150 mm.

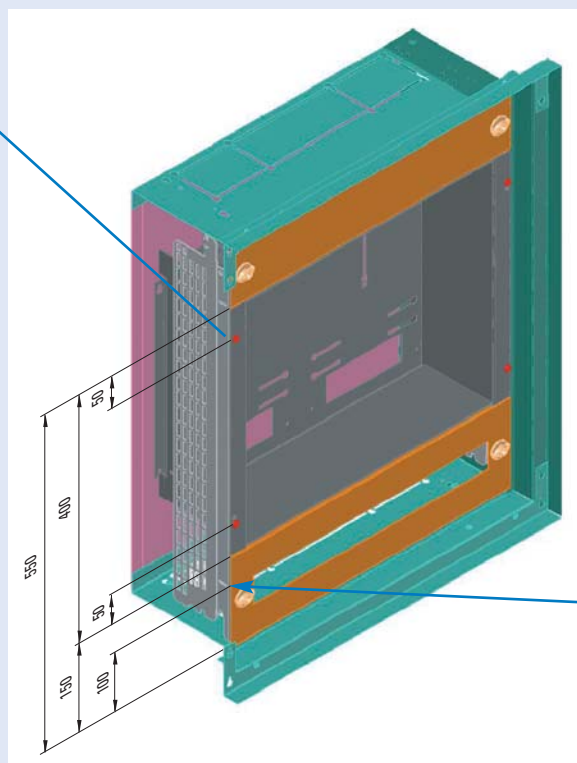


Application of meter through in flush-mounted board or surface-mounted board IP54

- The trough is mounted onto side walls BPZ-MSW or supports BPZ-FPS
- If sealing is asked, standard screws are replaced with sealing ones
- Meter throughs can be mounted into flush-mounted boards with wall box of depth of 240 mm only
- Assembling into surface-mounted boards IP54 or floor-standing boards is carried in simmilar way. It is not possible to use rear mounting due to fixed side walls. For these cases, the through can be hanged onto rear frame. The fixing itself is performed from the front by means of screws screwed into BPZ-MSW or BPZ-FPS.

Fixing of the through on side wall BPZ-MSW

Side wall cutout defining height 100 mm



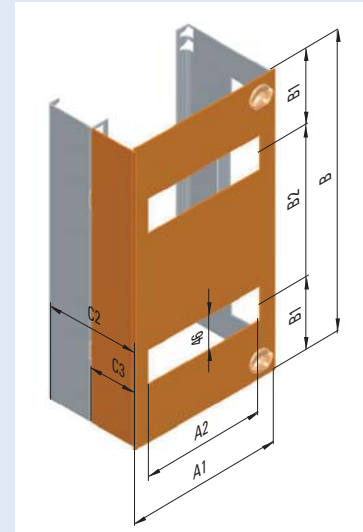
Distribution Boards

Device rail sets, BPZ-DRS-MT

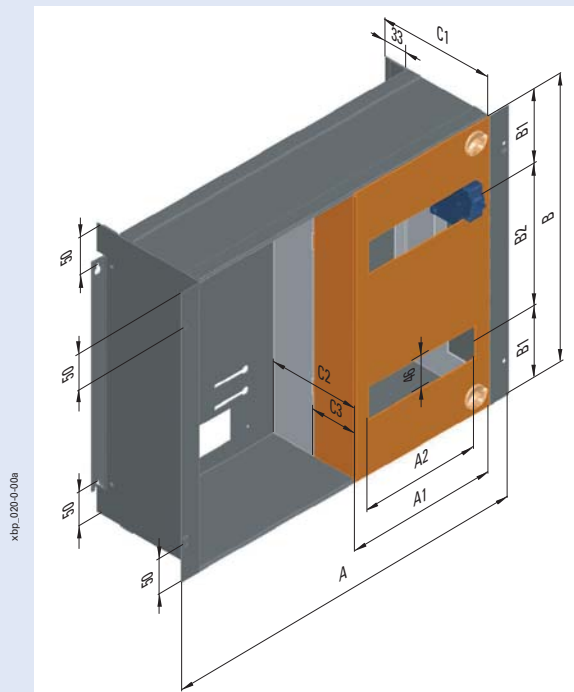
- For using free metering places with device rails
- Mounting is possible into side positions in the through
- Material: sheet steel, powder-coated, RAL 7035
- Scope of delivery: 1 device rail set, fixing material

Dimensions [mm]

Type	Outside dimensions						
	Width	Height	Depth				
	A1	B	C2	A2	B1	B2	C3
BPZ-DRS-MT/400-1	215	400	130	170	100	200	65
BPZ-DRS-MT/450-1	215	450	130	170	125	200	65

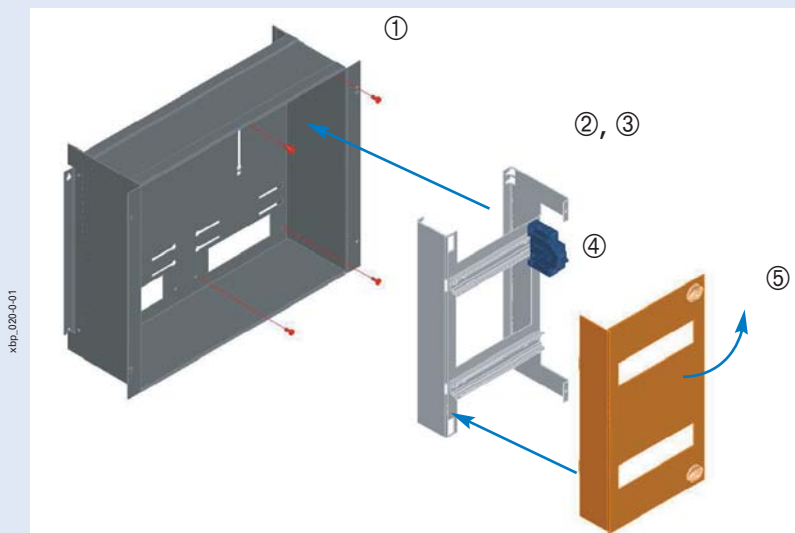


Assembling into meter through



Mounting process:

1. Pre-screwing of fixing screws into meter through. The screws must not be screwed tight.
2. Placing of the device rail set onto pre-screwed screws.
3. Tightening of the fixing screws.
4. Potential installation or connecting of inside equipment.
5. Mounting of a front panel



Distribution Boards

Set for front plate sealing, BPZ-SS

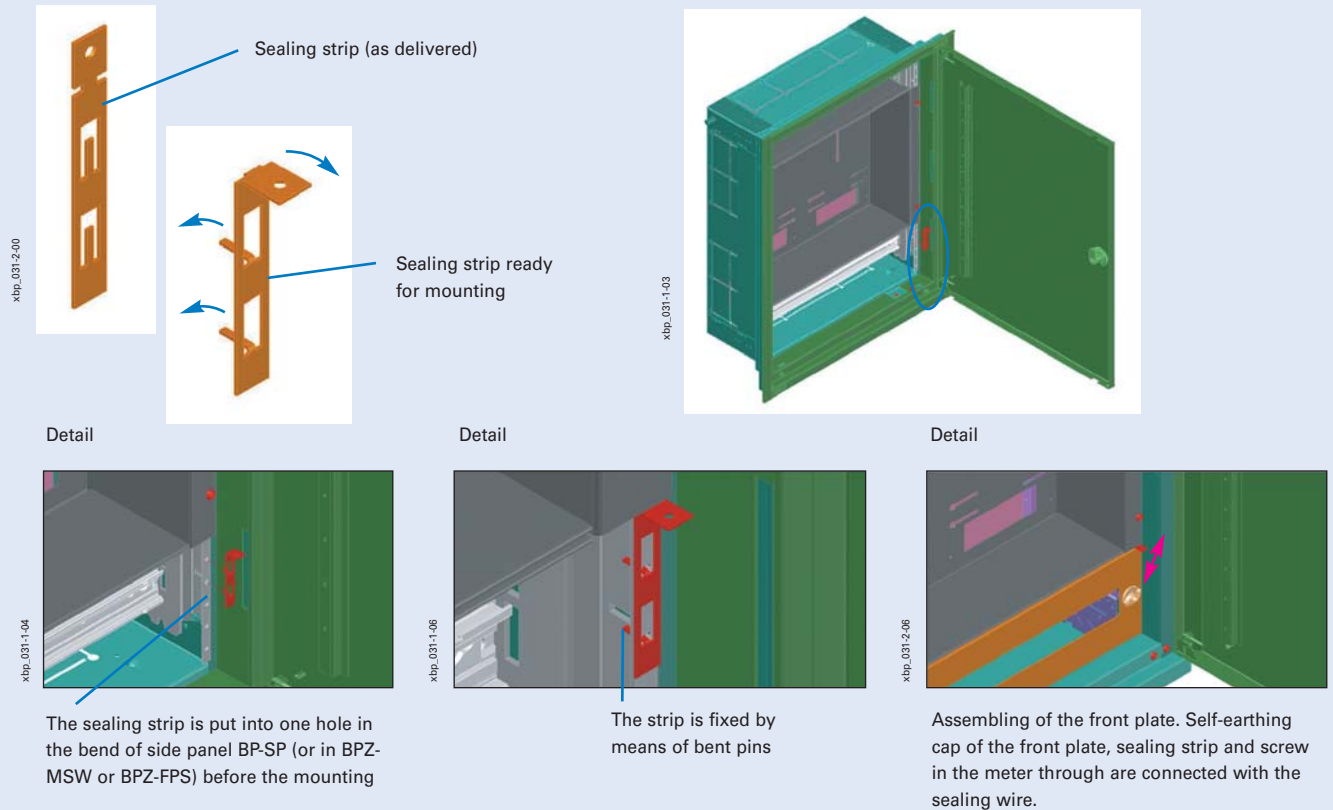
- Set for sealing of distribution boards
- Scope of delivery: 4 pcs of sealing strips, 4 pcs of sealing screws M5, 1 pc of tapping screw M5

Process of sealing of front plates

- Fixed point is given by properly mounted sealing strip
- Standard M5 screw of self-earthing fixing cap
- Sealing wire is led through both openings in plastic cap of self-earthing fixing system, bolthead of the sealing screw and lug in the sealing strip

Process of sealing of meter through

- The through can be fixed from the front side into BPZ-FPS or BPZ-MSW by means of sealing screws M5 (included in the set). The tapping screw from the set is used to make thread.
- The sealing itself can be done with sealing strip of a neighbouring front plate or with pre-moulded lugs in the through



Detail

Detail

Detail

The sealing strip is put into one hole in the bend of side panel BP-SP (or in BPZ-MSW or BPZ-FPS) before the mounting

The strip is fixed by means of bent pins

Assembling of the front plate. Self-earthing cap of the front plate, sealing strip and screw in the meter through are connected with the sealing wire.

Distribution Boards

Terminal supports, KT

- Scope of delivery: 1 terminal support

KT-3

- For terminal strips KL-7 up to KL-60 mounted onto flat or hollow rails (2 pcs. needed)



KT-5

- For terminal strips up to KL-15, for vertical snap-on mounting onto device rails according to IEC/EN 60715



Terminal strips, (KLV-)KL

- Maximum current 63 A (125 A if strip is fed into its center via KLA)
- Scope of delivery: 1 terminal strip

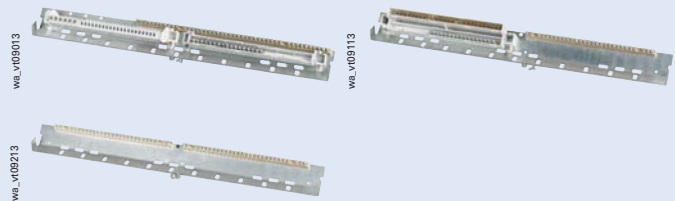
Type	Length [mm]	Number of terminals
KLV-KL-7	59	7 x 16mm ² , 1 x 25mm ²
KLV-KL-11	59	11 x 16mm ² , 1 x 25mm ²
KLV-KL-15	115	15 x 16mm ² , 2 x 25mm ²
KLV-KL-25	59	25 x 16mm ² , 2 x 25mm ²
KL-29	219	29 x 16mm ² , 2 x 25mm ²
KL-45	331	45 x 16mm ² , 2 x 25mm ²
KL-60	443	60 x 16mm ² , 2 x 25mm ²
KLM	1000	n x 16mm ²



KLA connection terminal for 35 mm²

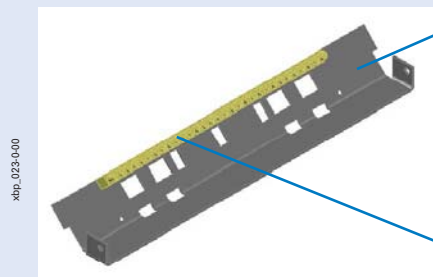
Terminal support bars, BPZ-TSB

- For mounting of terminals (KLV-)KL
- For surface mounted or floor-standing boards
- Mounted directly on the corner tower sets BPZ-CTS (the mounting is recommended before tightening of the fixing screws of the corner tower set)
- Possibility of direct mounting of PE terminal (conductive connection with board construction)
- N terminals are mounted by means of KT holders
- Material: sheet steel, galvanized
- Scope of delivery: 1 terminal support bar, fixing material



Possible variants of equipping of support bars BPZ-TSB with terminals (KLV-)KL

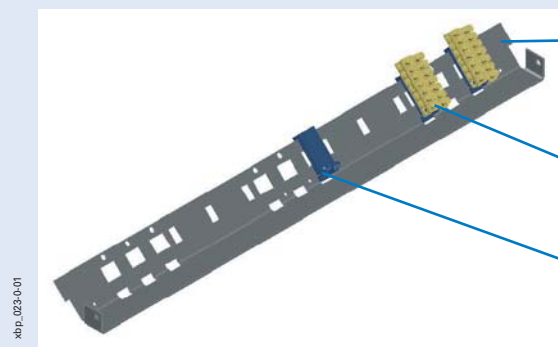
For board width 400 mm



Mounting directly onto BPZ-TSB bar – for branching of PE, PEN conductors

(KLV-)KL... terminals

For board width 600 mm



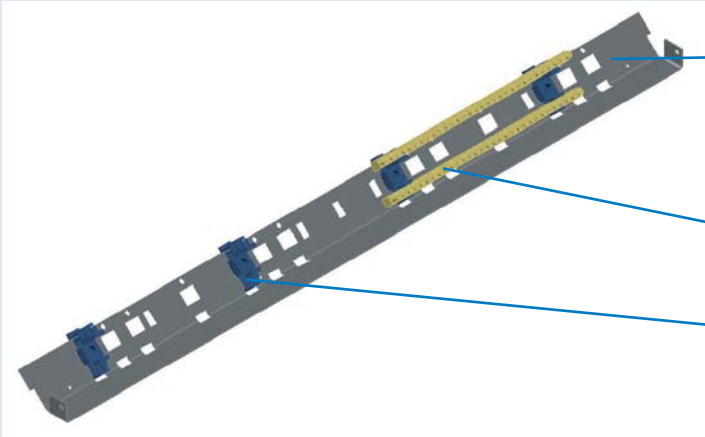
Mounting of terminal onto KT-5 holder, terminals in vertical (max. KL-15) – for branching of L, N conductors down stream to residual current device

KL... terminals

KT-5 terminal holder, vertical mounting

Distribution Boards

For board width 800 mm



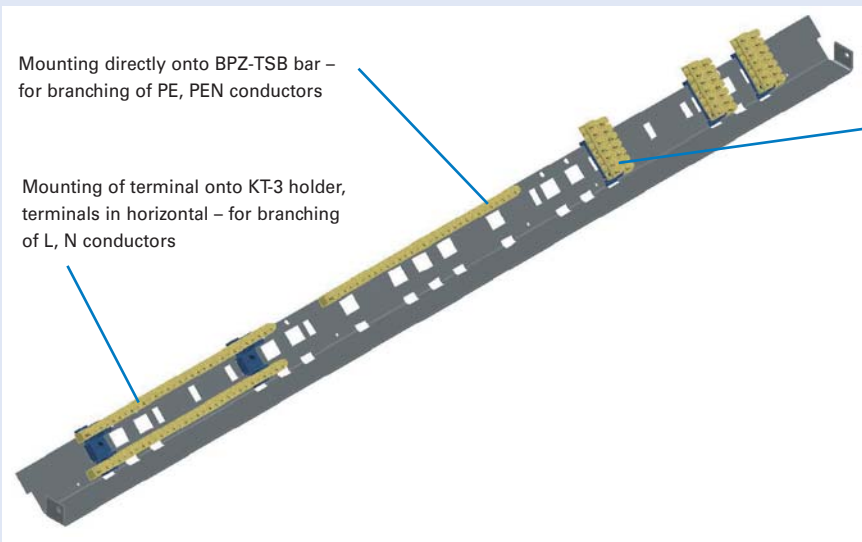
Mounting of terminal onto KT-3 holder, terminals in horizontal – for branching of L, N conductors

(KLV-)KL... terminals

KT-3 terminal holder, horizontal mounting

xbrp_023-0-02

For board width 1000 mm

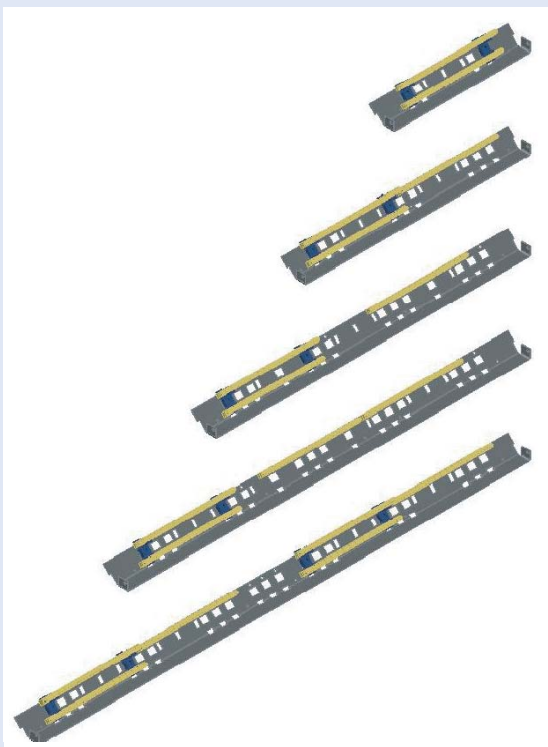


Mounting directly onto BPZ-TSB bar – for branching of PE, PEN conductors

Mounting of terminal onto KT-3 holder, terminals in horizontal – for branching of L, N conductors

Mounting of terminal onto KT-5 holder, terminals in vertical (max. KL-15) – for branching of L, N conductors down stream to residual current device

xbrp_023-0-03



W = 400

W = 600

W = 800

W = 1000

W = 1200

Mounting of L/N/PE terminals: standard combinations for different board widths

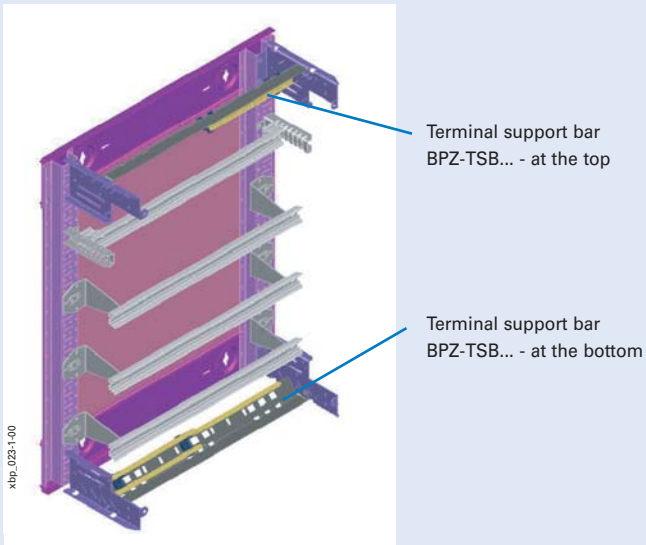
xbrp_023-0-04

xBoard

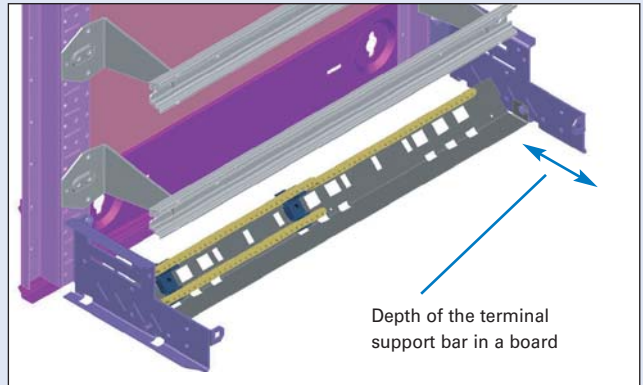
Distribution Boards

Placing of BPZ-TSB bar inside a board

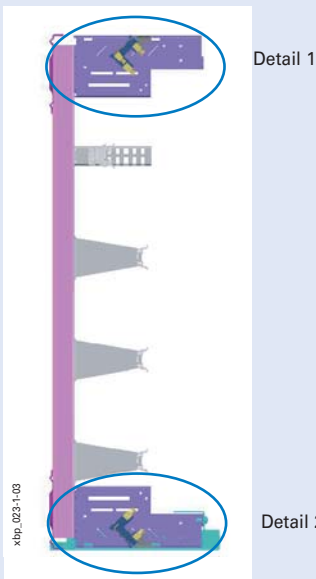
- Suitable only for surface mounted or floor-standing boards



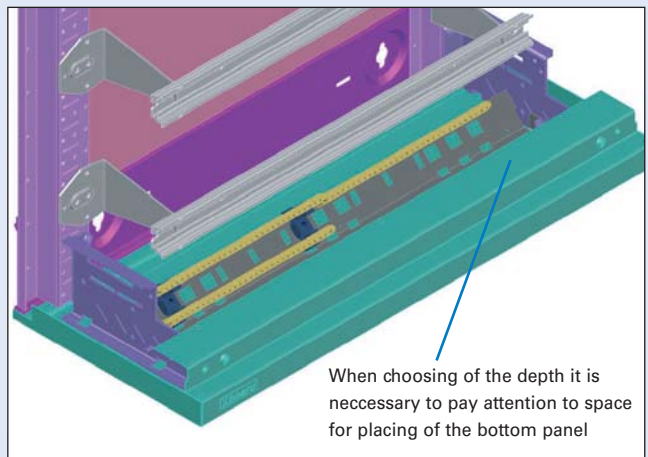
Detail



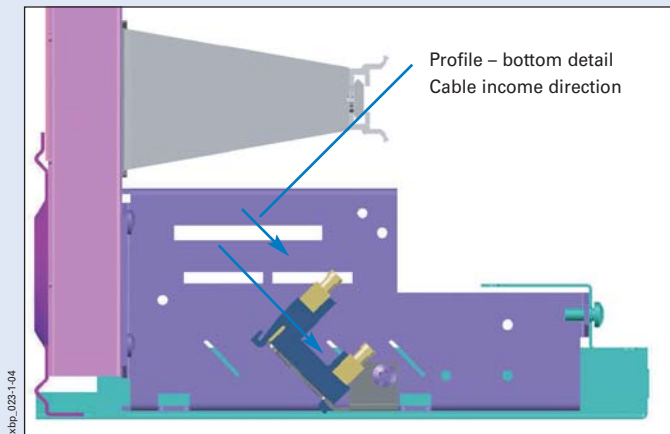
Profile



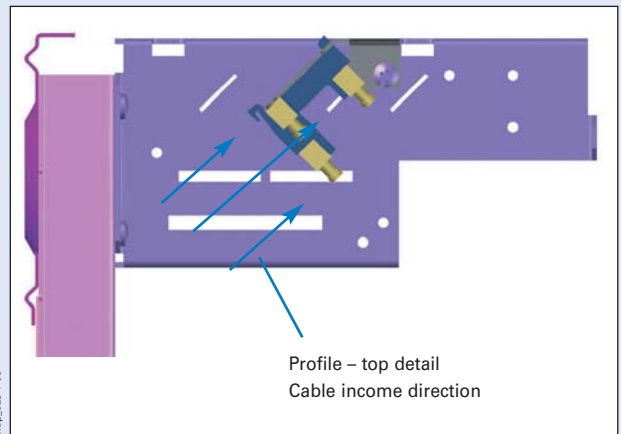
Detail



Detail 1 – profile



Detail 2 – profile



Distribution Boards

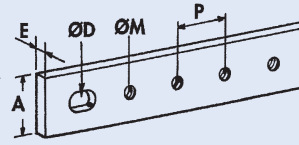
General Accessories

Busbar with Thread, BPZ-BB/T

- Dimensions (mm)

	A	E	P	ØD	ØM	Rated Current (A) (Busbar temperature 65°C)
BPZ-BB/T-15/5/1000	15	5	25	8x12	M6	218
BPZ-BB/T-20/5/1000	20	5	25	10x14	M6	274
BPZ-BB/T-32/5/1000	32	5	25	12x16	M6	400
BPZ-BB/T-15/5/2000	15	5	17.5	8x12	M6	218
BPZ-BB/T-20/5/2000	20	5	25	10x14	M6	274
BPZ-BB/T-20/10/1000	20	10	25	10	M8	427
BPZ-BB/T-30/10/1000	30	10	25	10	M8	573

- Scope of delivery: 1 Busbar



Spacer, BPZ-BBS/DH-M6

- With headless pin and bush
- Insulating material: Polystyrene
- Thread of tinned steel
- Temperatures up to 80°C
- Insulation voltage 1000 V
- Dimensions (mm)

	L	Ø	A	B
BPZ-BBS/DH-M6/70	70	M6	7-8	13
BPZ-BBS/DH-M6/120	120	M6	7-8	13

- Scope of delivery: 1 Spacer



Protective Cover, BPZ-BBS/PC-1000/250/3

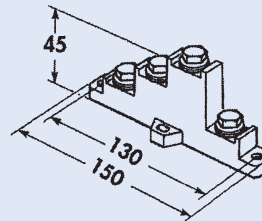
- To cover or to protect areas in use
- Material: PVC
- Dimensions (mm): 1000 x 250 x 3 (WxHxL)
- Scope of delivery: 1 Protective Cover

4-pole Busbar Support, BPZ-BBS-4

BPZ-BBS-4/250

- Rated current 160-400 A
- For busbars featuring threads M6, 15 x 5 and 20 x 5 mm
- Compact construction
- Holes for fixing with M6 screws
- Additional fixing of protective covers possible
- Halogen free (NFF 16-101-F2)
- Max. distance between the busbar supports in mm in case of one busbar per phase

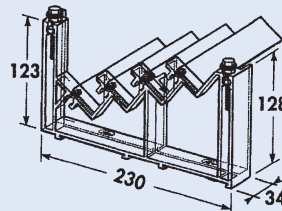
IPK kA	11	14	24
Icc rms kA, 1s	6.5	8	12
15 x 5	550	447	253
20 x 5	635	516	261



BPZ-BBS-4/630

- Rated current 160-630 A
- For massive bars with dimensions of 15 x 5, 20 x 5, 32 x 5, 20 x 10, 30 x 10 mm
- Easy to mount onto a DIN-rail or onto a mounting plate
- Contact protection with height adjustable plastic possible
- Halogen free (NFF 16-101-F2)
- Max. distance between the busbar supports in mm in case of one busbar per phase

IPK kA	11	14	24	48
Icc rms kA, 1s	6.5	8	12	23
15 x 5	696	565	320	102
20 x 5	804	653	370	102
32 x 5	1000	826	418	102
20 x 10	1000	1000	418	102
30 x 10	1000	1000	418	102



Distribution Boards

Mounting elements for 4-pole Busbar Support 630 A, BPZ-BR/BBS630/V

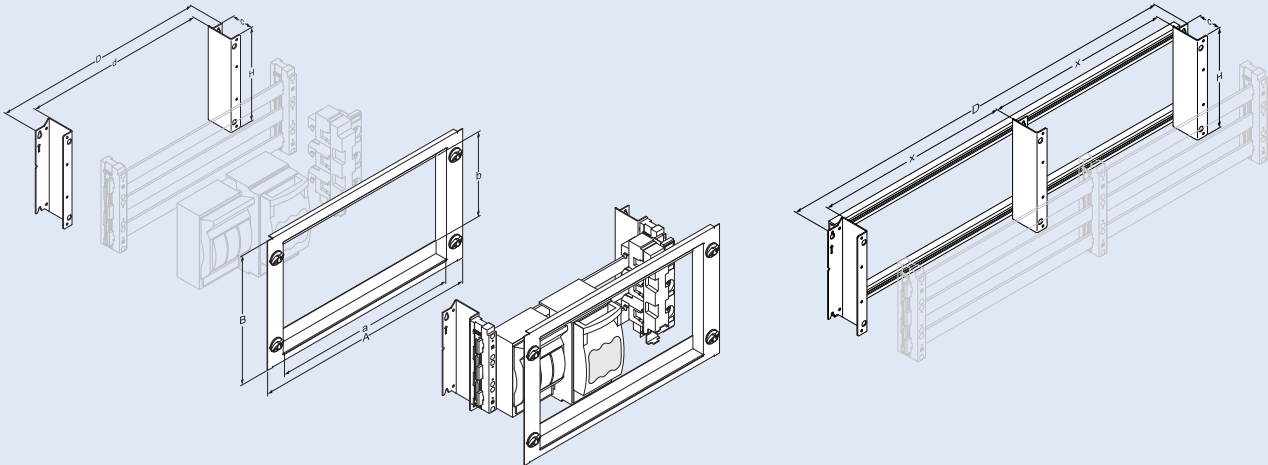
- For vertical mounting of the 4-pole Busbar Support BPZ-BBS-4/630/V onto base plate profiles of a 400 mm width enclosure
- Material: Sheet steel, zinc-coated
- Scope of delivery: 2 Mounting elements, fixing material



Mounting Set for 3-pole IEC Busbar Support 630A SASY60i, BPZ-BR/SASY/H...

- Mounting Set for fixing the Busbar Support BBS-3/FL
- Material
Front plate: Sheet steel, powder-coated, RAL 7035
Mounting angles: Sheet steel, zinc-coated
- Scope of delivery:
Width 400 to 800mm, 2 Fixing angles, 1 Front plate, fixing Material
Width 1000 to 1200mm, 3 Fixing angles, 2 Profiles, 1 Front plate, fixing Material
- Dimensions (mm)

	Front-plate				Mounting angles			
	A Outside width	B Outside height	a Distance	b Distance	D Outside width	H Outside height	d Distance	c Distance
BPZ-BR/SASY/H-400	320	300	234	194	296	215	222	63
BPZ-BR/SASY/H-600	520	300	434	194	496	215	422	63
BPZ-BR/SASY/H-800	720	300	634	194	696	215	622	63
BPZ-BR/SASY/H-1000	920	300	834	194	896	215	822	63
BPZ-BR/SASY/H-1200	1120	300	1034	194	1096	215	1022	63

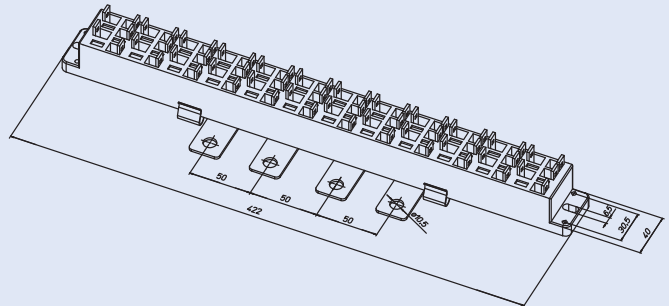


Flask with Brush Applicator, BPZ-CPS, PAINT-RAL

- For sanding scratches in RAL 7035, 9010 or 9016
- Scope of delivery: 1 Flask with brush applicator

4-Phase Busbar, BPZ-KB-24/250

- It is a 250 A busbar intended to supply a row of modular devices
- Max. current rating for every output is 63 A
- Outputs: 12 outputs per phase, neutral wiring 24 outputs
- Each connector automatically locks, which guarantees high security
- No risk of direct contact, according to IP20
- Dimensions (L x W x H): 427 x 40 x 50 mm
- Scope of delivery: 1 pc. 4-Phase busbar



Mounting Elements for 4-Phase Busbar, BPZ-BR/KB24

- For mounting a 4-phase busbar onto an NZM-mounting plate or onto base plate profiles
- Material: Sheet steel, zinc-coated
- Scope of delivery: 2 Mounting elements, fixing material

Flexible Connector for 4-Phase Busbar, BPZ-P

- For connecting a 4-phase busbar
- In 6 mm² or 10 mm²
- Length: 120 or 320 mm
- Scope of delivery: 1 Flexible connector

Distribution Boards

1-pole terminal block BPZ-KB

BPZ-KB

- For copper conductors
- Mounting onto device rail or mounting plate
- UL-listed
- Time-saving on wiring
- Saves 80 % on space used
- Modular construction allowing to build systems of 1 to 4 poles by using several blocks
- Degree of protection IP20
- Max. operating voltage 1000V AC , 1500V DC
- Scope of delivery: 1 1-pole terminal block

Technical data

	BPZ-KB-4/80	BPZ-KB-6/125	BPZ-KB-6/160	BPZ-KB-10/175	BPZ-KB-11/250	BPZ-KB-11/400
		torque (Nm)	torque (Nm)	torque (Nm)	torque (Nm)	torque (Nm)
Rated current	80 A	125 A	160 A	175 A	250 A	400 A
Inputs (mm ²)	1 x 2.5-16 1.5-3	1 x 10-35 3.5-5 1 x 6-16 3.5-5	1 x 10-70 5-6	1 x 16-70 6-10	1 x 35-120 19-21	1 x 95-185 25
Outputs (mm ²)	4 x 2.5-6 0.8-1.5 2 x 2.5-16 1.5-3	6 x 2.5-16 2-3	6 x 2.5-16 1.5-3	10 x 2.5-16 3-4	2 x 6-35 3.5-7 5 x 1.5-16 2-3 4 x 1.5-10 2-3	2 x 6-35 3.5-7 5 x 1.5-16 2-3 4 x 1.5-10 2-3
Connection	–	–	lateral paralel connection possible with Cu 15 x 5	–	–	–
Dimensions L x W x H (mm)	66 x 27 x 47	92 x 35 x 49	74 x 27 x 47	71 x 45 x 42.5	95.5 x 44.5 x 49	95.5 x 44.5 x 49

BPZ-KB-...-ALU

- For copper as well as aluminium conductors
- Mounting onto device rail or mounting plate
- UL-listed
- Time-saving on wiring
- Saves 80 % on space used
- Modular construction allowing to build systems of 1 to 4 poles by using several blocks
- Degree of protection IP20
- Max. operating voltage 1000V AC , 1500V DC
- Scope of delivery: 1 1-pole terminal block

Technical data

	...-6/80-ALU	...-6/125-ALU	...-6/160-ALU	...-1/175-ALU	...-10/175-ALU
		torque (Nm)	torque (Nm)	torque (Nm)	torque (Nm)
Rated current (Cu / Al)	80 A / 63 A	125 A / 100 A	160 A / 125 A	175 A / 125 A	175 A / 125 A
Inputs (mm ²)	1 x 2.5-16 1.5-3	1 x 10-35 3.5-5 1 x 6-16 3.5-5	1 x 10-70 5-6	1 x 16-70 6-11.4	1 x 16-70 6-10
Outputs (mm ²)	4 x 2.5-6 0.8-1.5 2 x 2.5-16 1.5-3	6 x 2.5-16 2-3	6 x 2.5-16 1.5-3	1 x 16-70 6-11.4	10 x 2.5-16 3-4
Connection	–	lateral paralel connection possible with Cu 15 x 5	lateral paralel connection possible with Cu 15 x 5	–	–
Dimensions L x W x H (mm)	66 x 27 x 47	74 x 27 x 47	92 x 35 x 49	72 x 25 x 50	71 x 45 x 42.5

	...-11/250-ALU	...-1/400-ALU	...-11/400-ALU	...-1/2/800-ALU	...-2/2/800-ALU
		torque (Nm)	torque (Nm)	torque (Nm)	torque (Nm)
Rated current (Cu / Al)	250 A / 200 A	400 A / 300 A	400 A / 300 A	800 A / 630 A	800 A / 630 A
Inputs (mm ²)	1 x 35-120 19-21	1 x 35-240 20	1 x 95-185 25	1 x 35-300 25-35	2 x 35-300 25-35
Outputs (mm ²)	2 x 2.5-35 3.5-7 5 x 2.5-16 2-3 4 x 2.5-10 2-3	1 x 35-240 20	2 x 2.5-35 3.5-7 5 x 2.5-16 2-3 4 x 2.5-10 2-3	2 x 35-300 25-35	2 x 35-300 25-35
Connection	–	–	–	–	–
Dimensions L x W x H (mm)	95.5 x 44.5 x 49	145 x 40 x 80	95.5 x 44.5 x 49	145 x 72 x 80	145 x 72 x 80

Distribution Boards

Connection latch for 1-pole terminal block BPZ-CL

- BPZ-CL-65/25 suitable for BPZ-KB-11/250
- BPZ-CL-70/35 suitable for BPZ-KB-11/400
- Dimensions (L x W x H)
BPZ-CL-65/25: 7 x 65 x 25 mm
BPZ-CL-70/35: 9 x 70 x 30 mm
- Scope of delivery: 1 connection latch

Connection bar 27 mm for 1-pole terminal blocks BPZ-CB

- Suitable for BPZ-KB-6/125
- Dimensions (L x W x H): 16 x 44 x 14 mm
- Scope of delivery: 1 connection bar

3-pole Terminal Block

BPZ-KB-6/175

- Mounting onto DIN-rail and mounting plate
- UL-listed
- Time-saving on wiring
- Saves 80% of space used
- Modular construction allowing to build systems of 1 to 4 poles by using several blocks
- Protection class: IP20
- Max. operating voltage 1000V AC, 1500V DC
- Scope of delivery: 1 3-Pole terminal block

Technical Data

	BPZ-KB-6/175	
		torque (Nm)
Rated current	175 A	
Input (mm ²)	1 x 16-70	6-10
Outputs (mm ²)	6 x 2.5-16	3-4
Connection	–	
Dimensions L x W x H (mm)	80 x 71.5 x 42.5	

BPZ-KB-6/175-ALU

- Aluminium design
- Mounting onto DIN-rail and mounting plate
- UL-listed
- Time-saving on wiring
- Saves 80% of space used
- Modular construction allowing to build systems of 1 to 4 poles by using several blocks
- Protection class: IP20
- Max. operating voltage 1000V AC, 1500V DC
- Scope of delivery: 1 3-Pole terminal block

Technical Data

	BPZ-KB-6/175-ALU	
		torque (Nm)
Rated current (Cu / Al)	175 A / 125 A	
Input (mm ²)	1 x 16-70	6-10
Outputs (mm ²)	6 x 2.5-16	3-4
Connection	–	
Dimensions L x W x H (mm)	80 x 71.5 x 42.5	

Distribution Boards

4-pole Terminal Blocks, BPZ-KB

- Mounting onto DIN-rail and mounting plate
- Max. operating voltage
BPZ-KB-9/125: 690V AC/DC
BPZ-KB-13/125: 690V AC/DC
BPZ-KB-8/125: 1000C AC/1500V DC
BPZ-KB-11/160: 1000C AC/1500V DC
- Scope of delivery: 1 4-Pole terminal block

Technical Data

	BPZ-KB-8/125		BPZ-KB-9/125		BPZ-KB-13/125		BPZ-KB-11/160	
		torque (Nm)		torque (Nm)		torque (Nm)		torque (Nm)
Rated current	125 A		125 A		125 A		160 A	
Inputs per pole (mm ²)	1 x 6-35	1,5	2 x 6-35	1,5	2 x 6-35	1,5	1 x 10-35	3,5-5
Outputs per pole (mm ²)	3-poles x (5 x 1,5-6 / 2 x 4-16)	0,8-1,5	7 x 2,5-10	1,5	9 x 1,5-10	1,5	3 x 6-35	3,5-5
	1-pole x (4 x 1,5-10 / 6 x 4-16)	1,5						
Dimensions L x W x H (mm)	74,5 x 98 x 49		102 x 89 x 48		103 x 126 x 48		87 x 162 x 50	

Lifting-Eye Bolt, BPZ-LE

- For transporting the distribution board by crane, high-lift truck, etc.
- To be mounted onto the top of the floor-standing distribution board
- Max. static tensile force: 1400 N each, total 3800 N
- Weight: approx. 0.2 kg
- Scope of delivery: 4 Lifting-eye bolts

Mounting elements for 4-pole busbar support 630 A, BPZ-BR/BBS630/V

- For vertical mounting of the 4-pole busbar support BPZ-BBS-4/630/V onto base plate profiles of a 400 mm width enclosure (or a section 400 mm done with separation profile BPZ-SF)
- Possibility of direct mounting of PE/PEN busbar onto the mounting element (conductive connection with a board)
- Material: sheet steel, zinc-coated
- Scope of delivery: 2 mounting elements, fixing material



Distribution Boards

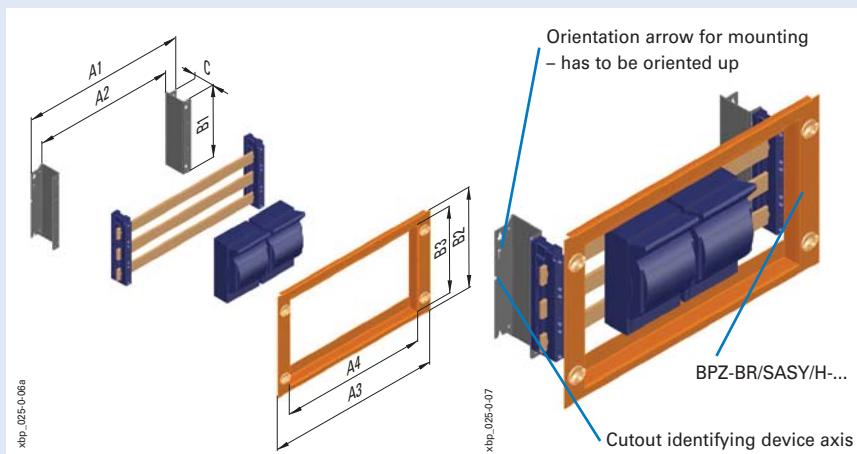
Mounting sets for 3-pole IEC busbar support 630A SASY60i, BPZ-BR/SASY/H...

- Mounting sets for fixing the busbar supports BBS-3/FL
- Material
Front plate: sheet steel, powder-coated, RAL 7035
Mounting angles: sheet steel, zinc-coated
- For surface mounted or floor-standing distribution boards
- Scope of delivery:
Width 400 to 800 mm: 2 fixing angles, 1 front plate, fixing material
Width 1000 to 1200 mm: 3 fixing angles, 2 profiles, 1 front plate, fixing material

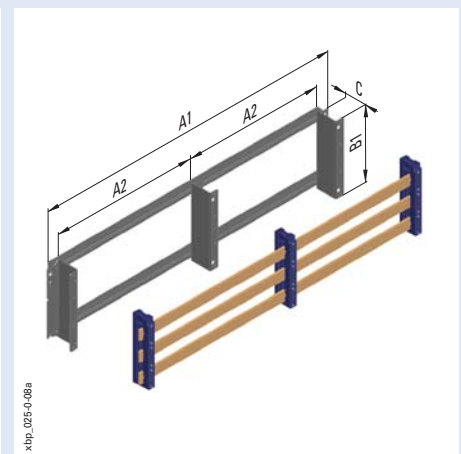
Dimensions [mm]

Type	Mounting angles				Front-plate			
	Outside dimensions				Inside dimensions			
	Width	Height			Width	Height		
	A1	B1	A2	C	A3	B2	A4	B3
BPZ-BR/SASY/H-400	296	215	222	63	320	300	234	194
BPZ-BR/SASY/H-600	496	215	422	63	520	300	434	194
BPZ-BR/SASY/H-800	696	215	622	63	720	300	634	194
BPZ-BR/SASY/H-1000	896	215	822	63	920	300	834	194
BPZ-BR/SASY/H-1200	1096	215	1022	63	1120	300	1034	194

For board widths 400, 600, 800 mm



For board widths 1000 and 1200 mm



Mounting plates with pre-drilled holes for mounting busbar holders SASY 60i BPZ-MPLSASY

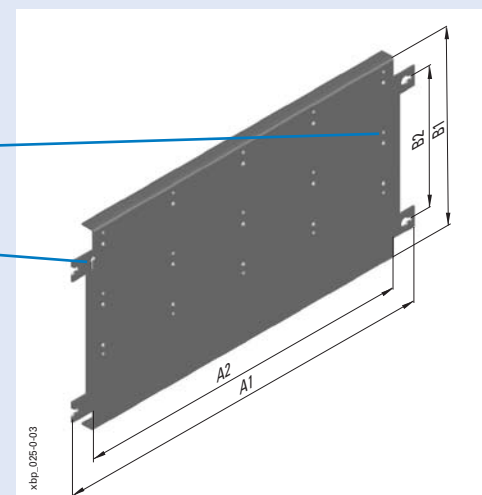
- For mounting of holders of SASY 60i system
- Material: sheet steel, zinc-coated
- Scope of delivery: 1 mounting plate, fixing = material

Dimensions [mm]

Type	Width		Height		Number of BEL elements on the side
	A1	A2	B1	B2	
BPZ-MPLSASY-425	313	253	250	175	2
BPZ-MPLSASY-600	488	428	250	175	2
BPZ-MPLSASY-800	688	648	250	175	2
BPZ-MPLSASY-1000	888	846	250	175	2
BPZ-MPLSASY-1200	1088	1046	250	175	2

Pre-drilled holes for mounting of SASY 60i

Orientation arrow for mounting
- has to be oriented up

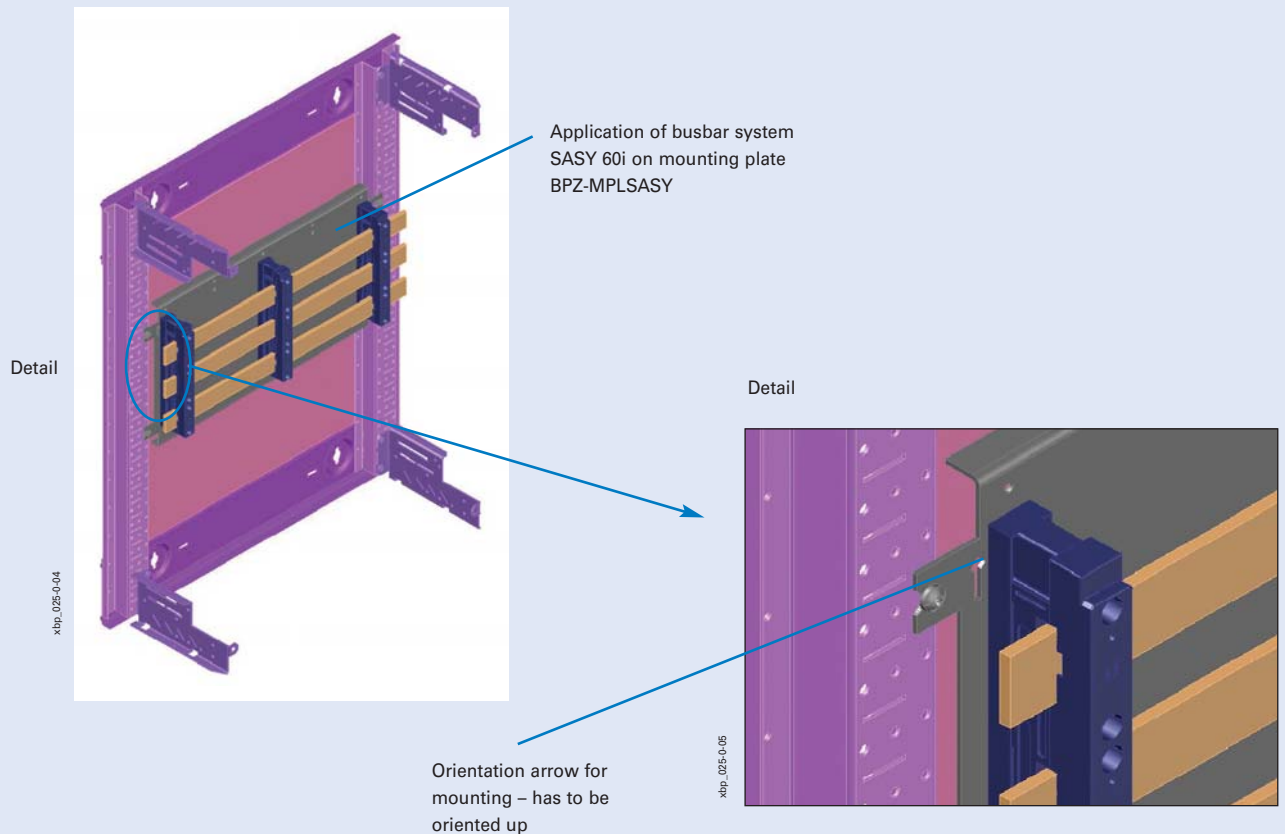
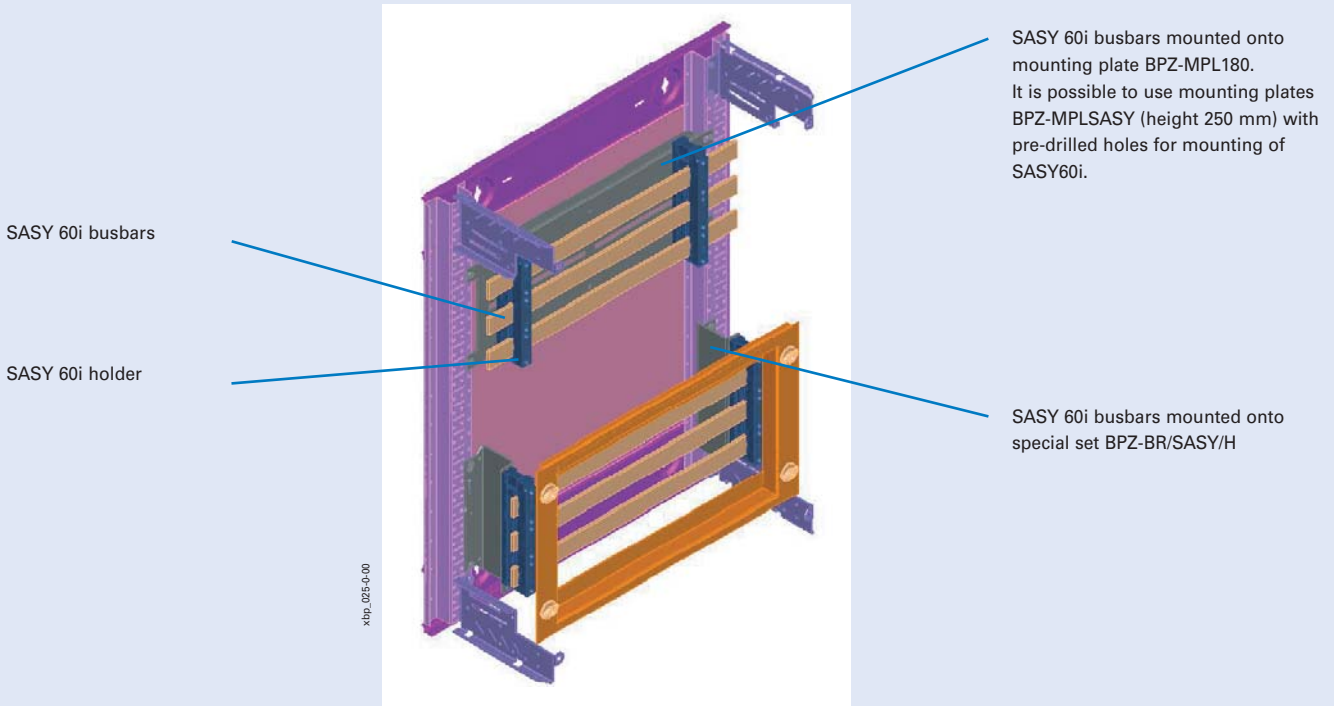


Distribution Boards

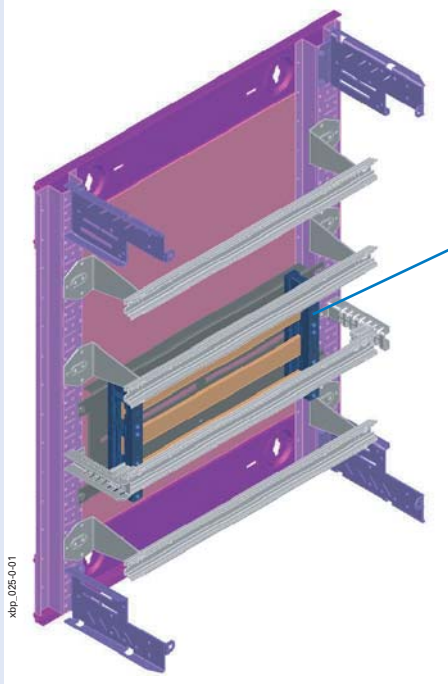
Example of mounting of busbar system SASY 60i

Application example:

- The busbars are fed via circuit breaker NZM
- The busbars serve as a connection point for particular devices



Distribution Boards



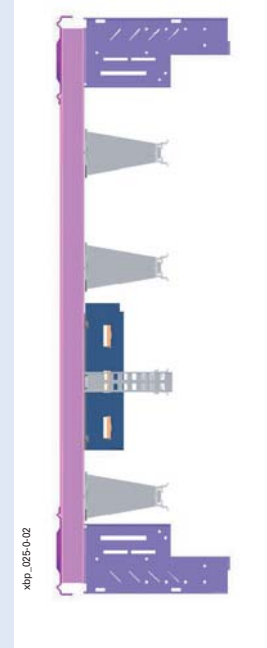
xhp_025-0-01

BPZ-MPL180...
SASY 60i busbars mounted onto mounting plate.

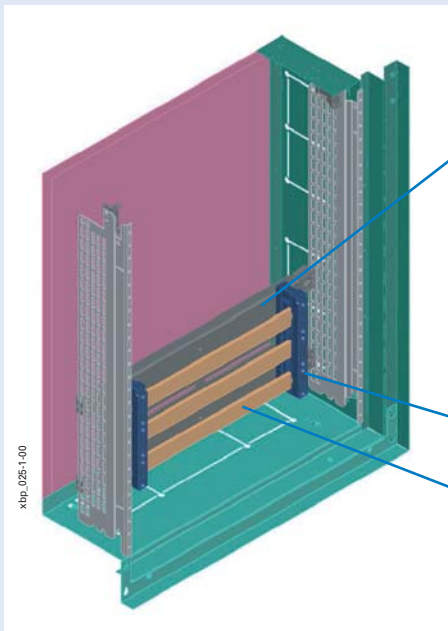
It is possible to use mounting plates BPZ-MPLSASY (height 250 mm) with pre-drilled holes for mounting of SASY60i.

The busbars can be placed under the device rails – save of space in the board.

For fastening of the device rail over the busbars the towers BPZ-TA have to be used (set BPZ-DINR...-T).



xhp_025-0-02



xhp_025-1-00

BPZ-MPL180... + BEL...
SASY 60i busbars mounted onto mounting plate – can be used for branching of L/N/PE conductors.

It is possible to use mounting plates BPZ-MPLSASY (height 250 mm) with pre-drilled holes for mounting of SASY60i.

Recommended mounting depth (5) – suitable for branching of L/N/PE as well as for direct mounting of devices onto the busbars.

Front plate with plastic insert can be use to cover – cutouts are done according to actual device position.

SASY 60i holder

SASY 60i busbars

Distribution Boards

Door grounding set, BFZ-DES

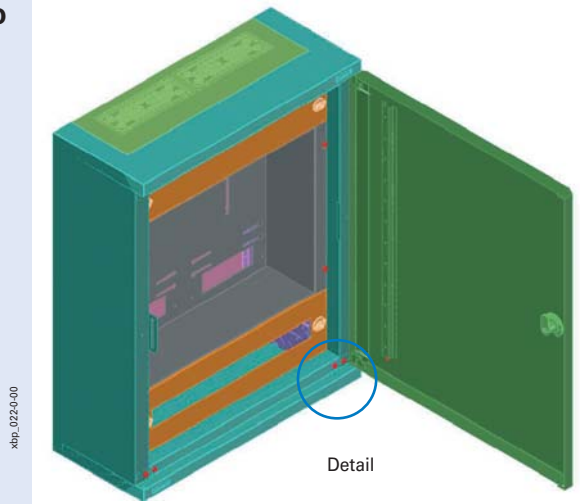
- In scope of delivery of all Profi Plus doors
- For grounding the door
- Length: 300 mm
- Cross section: 6 mm²
- Scope of delivery: 1 grounding wire with pre-fitted eyelets, fixing material

Door grounding

- For earthing, the threaded pin on the door and pressed nut in the frame are used. The grounding is done by connection of these points via BFZ-DES

Surface mounted boards

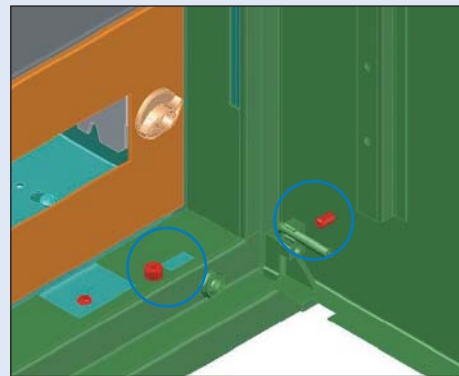
BP-O



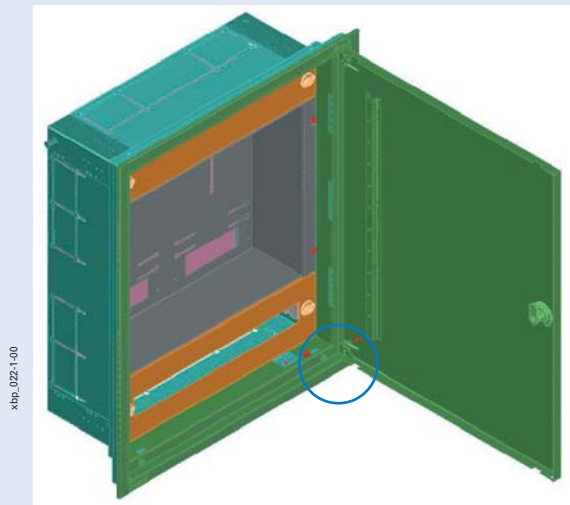
Conductive connection of Profi Plus boards

- Side panels and top / bottom panels are connected with the base frame via self-earthing screws (in scope of delivery)
- Front plates of all designs are connected by means of self-earthing fasteners. Conductive connection of the front plates with frame is type tested
- Device rails are connected with side panels BPZ-MSW or towers via fastening elements BEL
- Meter throughs are connected with the base frame via self-earthing screws

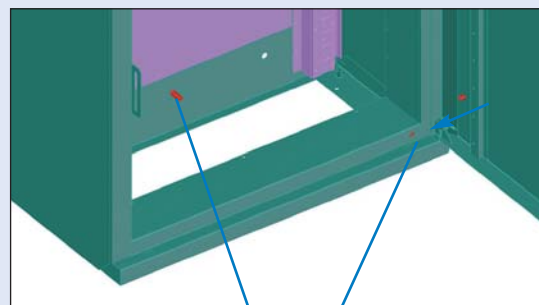
Detail



Flush mounted boards BP-U



Detail



Floor-standing boards BP-F



Connection of earthing set for door. Nut in the board frame and earthing screw on the door

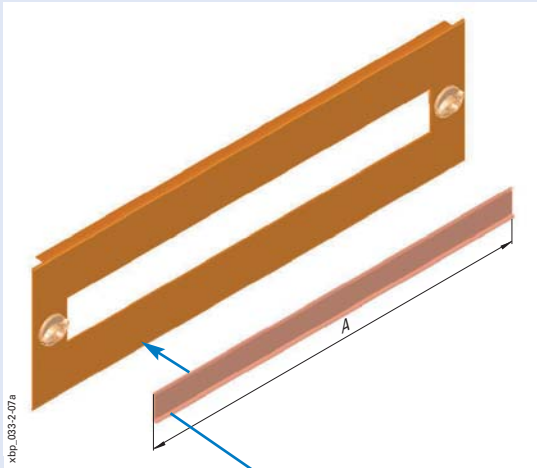
Central earthing screw in rear side of a board

Distribution Boards

Inscription strips, LAB-BAR

Dimensions [mm]

Type	Number of modules MU	Length A
LAB-BAR_13TE	13	228
LAB-BAR_24TE	24	420
LAB-BAR_46TE	46	805
LAB-BAR_57TE	57	998
LAB-BAR_1000	-	1000
LAB-BAR_3000	-	3000

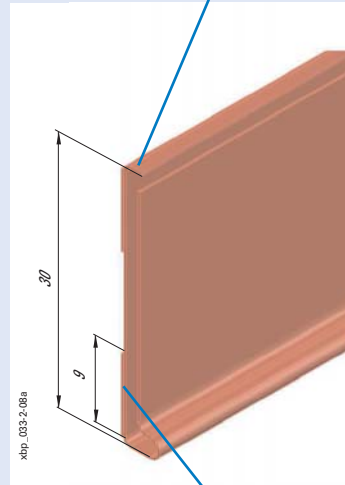


LAB-BAR

Inscription strips.
Mounting onto front plate by means of
self-sealing strips.

Detail

To insert leave e.g.
LAB-TAPE-A4



Self-sealing strip

Enclosure leaves LAB-TAPE_A4 for the inscription strips LAB-BAR

Technical data

Empty:

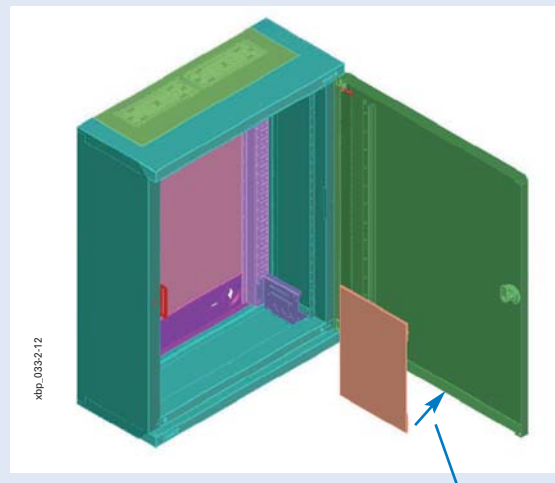
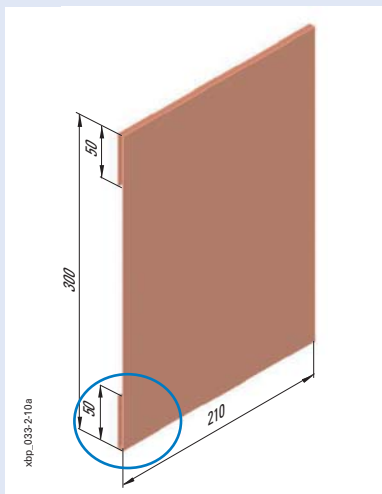
1 sheet contains 8 strips of width 27 mm and length 297 mm.
Perforated for easy-to-remove.

Imprinted:

For device width	Numerical print
1,5MU	1-30
2MU	1-24
3MU	1-5
4MU	1-4

Circuit diagram bag, LAB-BAG_A4

Dimensions [mm]



Circuit diagram bag LAB-BAG
can be fitted onto a door via two
self-sealing strips at the top and
bottom

Distribution Boards

Component overview for typical composition of Profi+

Flush mounted board

- Wall box BPZ-WB3S-... Can be supplemented with rear panel BPZ-RP-...
- Door frame with door BP-U-S3-... for IP30, or BPM-U-3S-... for IP54
- Mounting side walls BPZ-MSW-...
- Auxiliary pawls BPZ-SNAP
- Device rails BPZ-DINR-... For build-up of the mounting frame with BPZ-MSW or BPZ-MPL. It is necessary to use at least 2 pcs. DIN-rails with BPZ-MSW.
- Fastening elements BEL for fixing of device rails. Each rail has to be fixed with at least one green element BEL1 to ensure conductive connection.
- Front plates BPZ-FP-...
- Other components and accessories according to particular configuration of given board (device rails BPZ-DINR-..., mounting plates BPZ-MPL-..., terminals (KLV-)KL-..., etc.).

Surface mounted board IP30, version with mounting frame BPZ-MSW

- Base frame BP-MF-...
- Top / bottom panel BP-TBP-...
- If panels BP-TBP-...-CE are used, it is necessary to supplement them with cable plates BP-FLP-...
- Side walls BPZ-SP-MSW-...
- Door BP-DS-... For widths 1000 or 1200 there are two-wing door, both the wings are ordered separately
- Mounting sidewalls BPZ-MSW-...
- Device rails BPZ-DINR-... For build-up of the mounting frame with BPZ-MSW or BPZ-MPL. It is necessary to use at least 2 pcs. DIN-rails with BPZ-MSW.
- Fastening elements BEL for fixing of device rails. Each rail has to be fixed with at least one green element BEL1 to ensure conductive connection
- Front plates BPZ-FP-...
- Terminal support bar BPZ-TSB-...
- Other components and accessories according to particular configuration of given board (device rails BPZ-DINR-..., mounting plates BPZ-MPL-..., terminals (KLV-)KL-..., etc.).

Surface mounted board IP30, version without mounting frame BPZ-MSW

- Base frame BP-MF-...
- Top / bottom panel BP-TBP-...
- If panels BP-TBP-...-CE are used, it is necessary to supplement them with cable plates BP-FLP-...
- Side walls BP-SP-...
- Door BP-DS-... For widths 1000 or 1200 there are two-wing door, both the wings are ordered separately
- Front plates BPZ-FP-...
- Terminal support bar BPZ-TSB-...
- Other components and accessories according to particular configuration of given board (device rails BPZ-DINR-..., mounting plates BPZ-MPL-..., terminals (KLV-)KL-..., etc.).

Surface mounted board IP54, version with mounting frame BPZ-MSW

- Board BPM-O-...
- F3A flanges
- Corner tower set BPZ-CTS-L (2 pairs)
- Mounting side walls BPZ-MSW-...
- Device rails BPZ-DINR-... For build-up of the mounting frame with BPZ-MSW or BPZ-MPL. It is necessary to use at least 2 pcs. DIN-rails with BPZ-MSW.
- Fastening elements BEL for fixing of device rails. Each rail has to be fixed with at least one green element BEL1 to ensure conductive connection
- Front plates BPZ-FP-...
- Terminal support bar BPZ-TSB-...
- Other components and accessories according to particular configuration of given board (device rails BPZ-DINR-..., mounting plates BPZ-MPL-..., terminals (KLV-)KL-..., etc.).

Surface mounted board IP54, version without mounting frame BPZ-MSW

- Board BPM-O-...
- F3A flanges
- Front plate support BPZ-FPS-...
- Front plates BPZ-FP-...
- Terminal support bar BPZ-TSB-...
- Corner tower set BPZ-CTS-L for fixing of BPZ-TSB (1 pair)
- Other components and accessories according to particular configuration of given board (device rails BPZ-DINR-..., mounting plates BPZ-MPL-..., terminals (KLV-)KL-..., etc.).

Floor-standing boards

- Board BP-F-... for IP30
- Board BPM-F-... for IP54
- Other configuration is similar to surface mounted board IP54. Floor-standing boards can be supplemented with base BPZ-SS-..., BPZ-FS-...

Distribution Boards

Installation distribution boards BP-... for installation system EP

System description

Profi+ boards are tailored to meet the customers need with a bottom of the line manufacturing, stable construction and flexible application possibility. The distribution board is a tested system that can be used as power distribution board or control distribution board. A stand alone or add-on solution is possible. The installation system EP with it factory assembled devices sum up the whole system.

The design principle of Profi+, 250 mm depth

The enclosure consists of a welded construction. The rear wall is welded on the board as well. To add on the board there have to be done cut outs at the side walls according to requirements. The doors and the double doors at a width of 1100 mm are containing a 3 point lock and got a 100 degree opening angle. The standard solution got a clip down handle which can be activated with different half cylinder.

Standard configuration

The board system is configured for the type EP. At the EP board system there is a left or right assembly kid already factory-provided. At this assembly kid it is possible to adjust the system EP within a modular grid of 12,5 mm. Therefore, devices with deeper mounting depth can be used. Furthermore, the enclosure got mounted a sheet steel protection against contract and the outer rails.

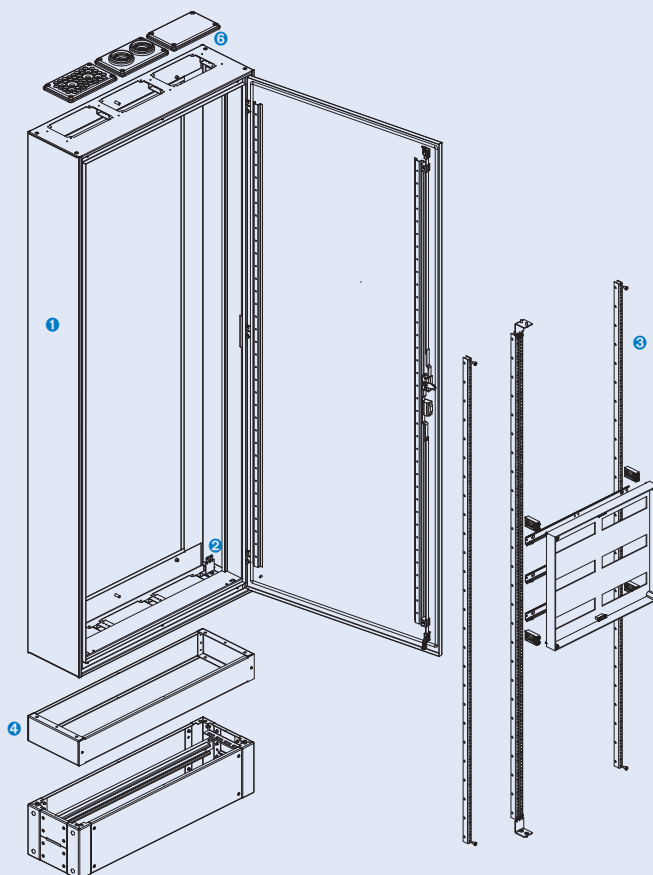
Further mounting options

A 100/200 mm front and side covers are available for the base. In addition there can be used a cable interconnected frame too.

The system EP with Profi+

The inner disassembly of the board Profi+ take place with the mounting system EP. For this, there are vertical rails EPTV within a grid of 250/500/750 mm mounted in order to mount the devices into the board.

For the grid spacing are two vertical rails (EPTV1800 for enclosure height 1910 mm, EPTV1950A-BP for enclosure height 2060 mm) mounted to connect the insert.



- ① Profi+ installation board
- ② Mounting angles BPZ-TW for caring the vertical rails EPTV1800 (for enclosure height 1910 mm), EPTV1950A-BP (for enclosure height 2060 mm)
- ③ Inner Mounting system with vertical and horizontal rails (EPTV+EPTH)
- ④ Cover for base 100/200 mm
- ⑤ Cable inner connected frame 100/200 mm
- ⑥ Flange F3A

Distribution Boards

Technical data of Profi+

Application:

Stand alone or add-on distribution board.

Construction:

The board consist of a 1.0 – 1.25 mm thick welled sheet steel. The rear wall is welded on the board as well. Roof- and bottom cable entries are prepared for F3A flange.

Material:

Board: side parts 1.25 mm sheet steel, Top- Bottom panel 1.25 mm sheet steel
Door: 1.25 mm sheet steel
Rear wall: 1.0 mm sheet steel

Surface area:

Board incl. rear wall: power coated, thickness >50µm
Door: power coated >50µm

Door:

Sheet steel 1.25 mm, curb 18 mm
Right hinged (reversible door hinging possible)
2 doors up to 1100 mm width
Opening angle till 100°

Door lock:

Standard: 3 point lock with clip down handle
Optional: Two way bit and different cylinder locks

Insert rail system:

Prepared to carry the system EP
Mounting set BPZ-TW and EPTV1800 (for enclosure height 1910 mm), EPTV1950A-BP (for enclosure height 2060 mm) mounted left and right.
Protecting covers are included within the board. The outer rails also.

Accessories:

Ventilation louvers, mounting plates, flanges, lifting eye bolt, spray RAL 7035, set of wall brackets

Cable entry:

F3A flange at the bottom and top of the board

Protection class:

Protection class I

Degree of protection:

Closed door IP54, open door IP31
Shock resistant IK08
Standards VDE0100, part 410 and IEC-EN 60529

Color:

Board, door, base cover: RAL 7035 light grey

Dimensions:

Inside:
Height 1800, 1950 mm
Width 250, 500, 750, 1000, 1250 mm
Outside:
Height 1910, 2060 mm
Width 350, 600, 850, 1100, 1350 mm

Cover for base:

Standard: 100/200 mm
Cable interconnect frame: 100/200 mm

Scope of delivery:

Complete board with door
Top- bottom part prepared to mount F3A flange
The angle BPZ-TW for mounting the left and right rail EPTV1800 (for enclosure height 1910 mm), EPTV1950A-BP (for enclosure height 2060 mm) is already pre-mounted, wall brackets BPZ-VWV are included

Electrical data:

Rated voltage AC	$U_e = 415 \text{ V}$
Rated Frequency	$f = 50\text{-}60 \text{ Hz}$
Rated current	$I_e = 630 \text{ A}$
Ambient temperature	-5 up to +45 °C

Design according to:

Type tested device combination according to IEC/EN 61439-1/2, IEC/EN 62208

Distribution Boards

Dimensions

