

A3.3

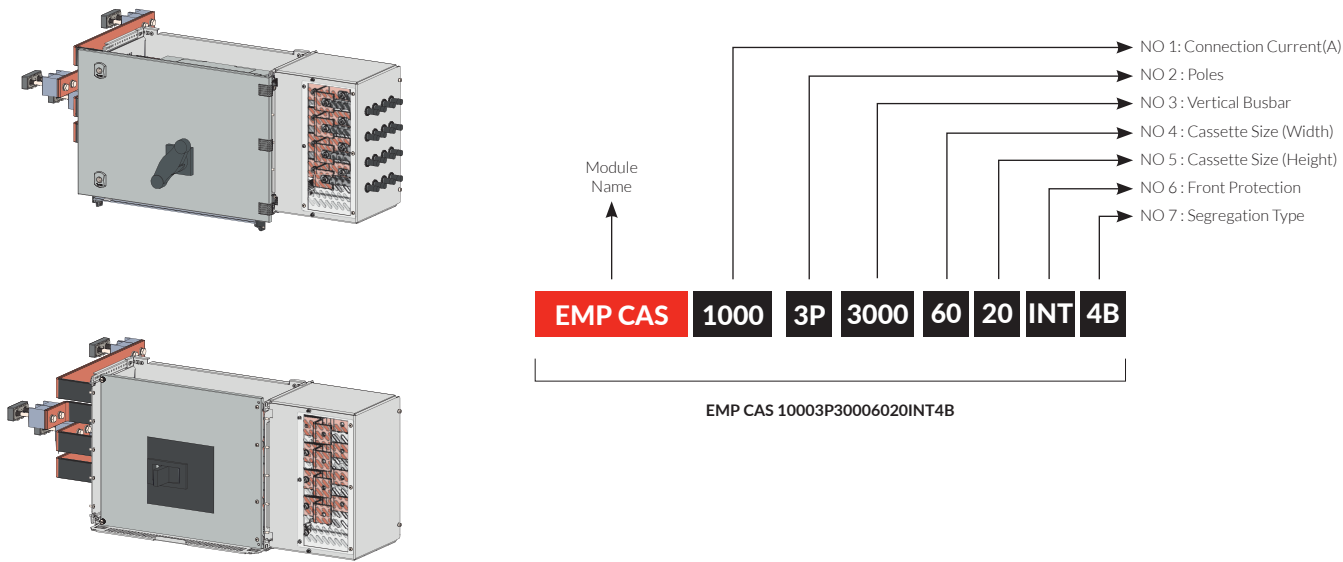
MCCB (Empty) CASSETTE

07/2023



PDS
UPGRADE THE POWER

SELECTION CHARACTERISTICS

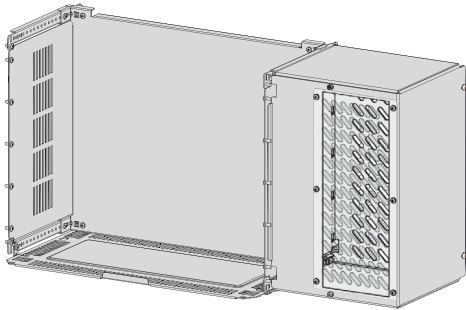


NO 1		NO 2		NO 3			NO 4		NO 5		NO 6		NO 7			
Selection Cod e	Connection Current(A)	Selection Code	Poles	Selection Code	Vertical Busbar(In)	Module Depth(D)	Selection Code	Casette Width(W)	Selection Code	Casette Height(H)	Selection Code	Front Protection	Selection Code	Segregation Type		
CBL	A<250	3P	3	0495	495A	600/800	40	400	15	150	INT	Internal	01	Form 1		
0250	250A	4P	4 (3P+N)	0700	700A	600/800	60	600	20	200	EXT	External	2A	Form 2a		
0400	400A			0900	900A	600/800	80	800	25	250			2B	Form 2b		
0630	630A			1100	1100A	600/800			30	300			3A	Form 3a		
0800	800A			1300	1300A	600/800			35	350			3B	Form 3b		
1000	1000A			1350	1350A	600/800	40	400	4A	Form 4a						
1250	1250A			1620	1620A	600/800	45	450	4B	Form 4b						
1600	1600A			1860	1860A	600/800	50	500								
				2300	2300A	600/800*	60	600								
				2500	2500A	800										
				3000	3000A	800										
				3400	3400A	800										
				4000	4000A	800*										

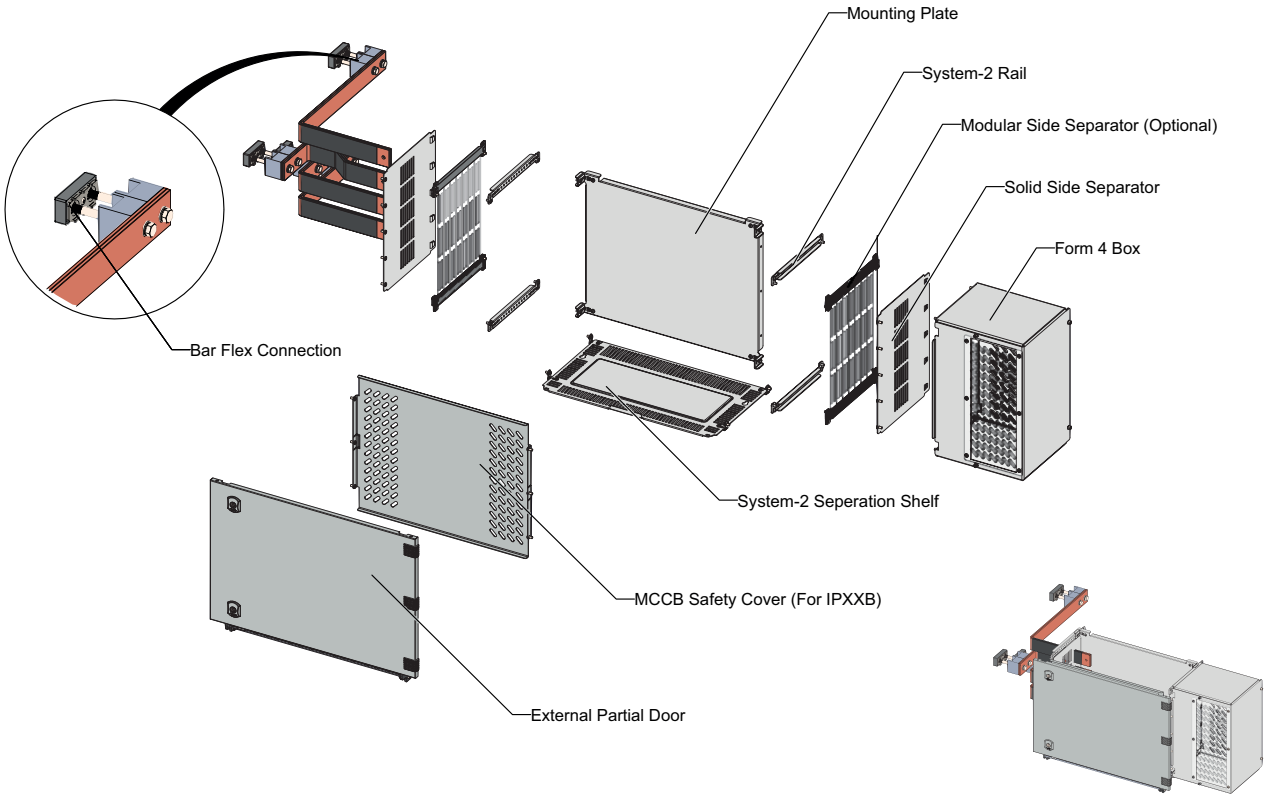
*2300A and 4000 A vertical busbar systems can only be used with 400mm Width Distribution module.

CONCEPT OF EMPTY CASSETTE

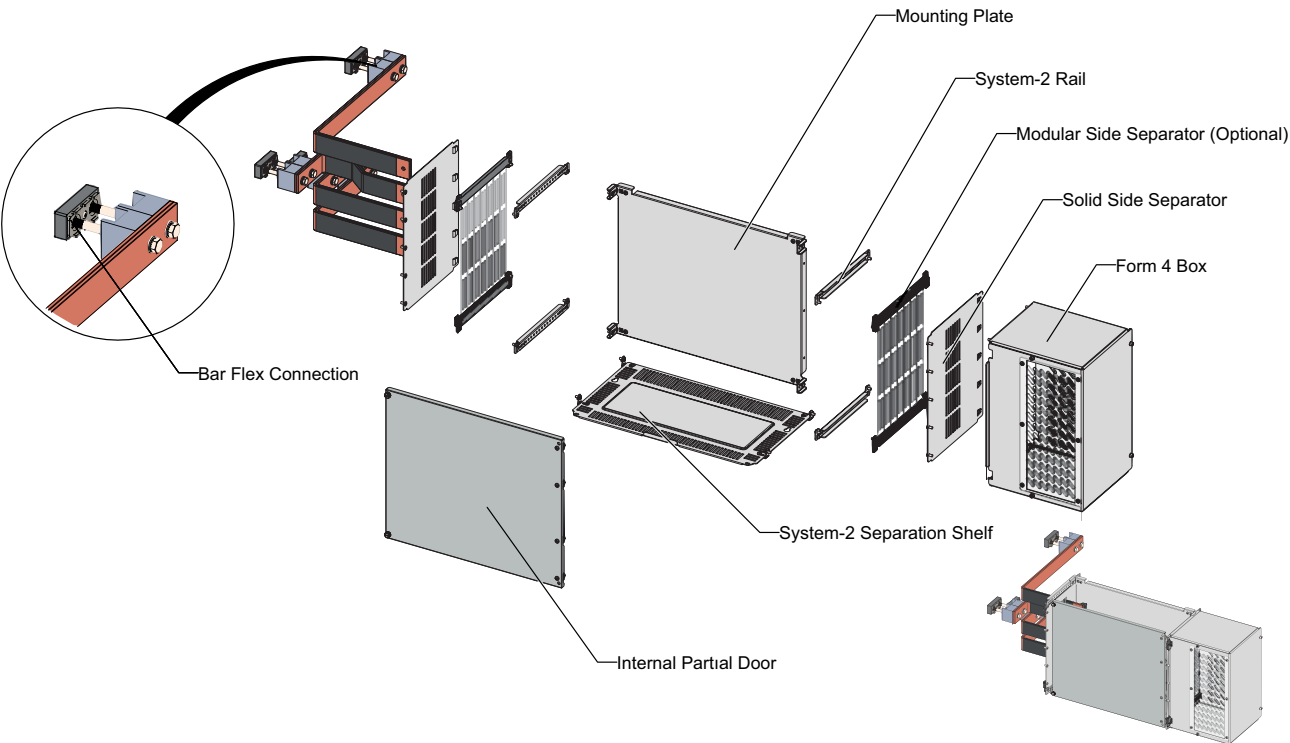
- Empty Cassettes provide fully blank mounting plates which assembler can work without restriction.
- Easy and reliable design.
- Maximum Partial Mounting Plate usage.



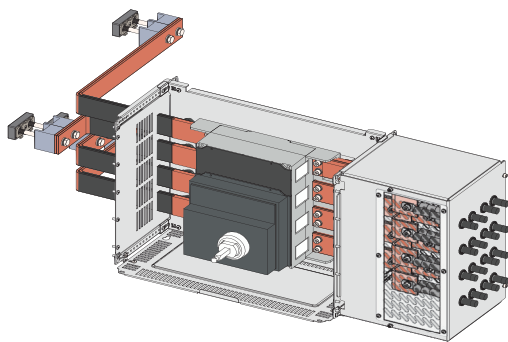
WITH EXTERNAL PARTIAL DOOR



WITH INTERNAL PARTIAL DOOR



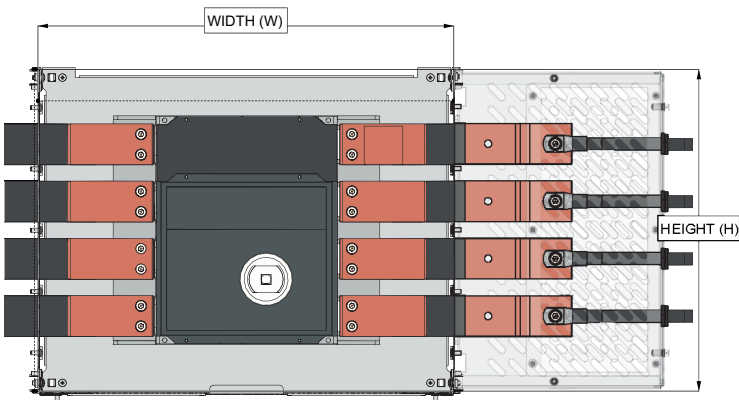
■ NO 1 : CASSETTE SIZE



- Cassette sizes depend on which equipment is selected for project.
- PDS deliveries cable/conductor connection kits of vertical busbar to cassette.
For that reason Pole type selection is important to get the correct quantities.
- When selecting cassettes, the user must to be consider the pole type of the module and pole type of the cassette have to be compatible.
- If user selects 4 poles cassette have to be sure that the module earthing configuration comprises **TN-S(1/1) or TT(1/1)**.

For 3 poles selection the user can be choose all type of earthing configurations. Please see at earthing configuration sheets and instructions.

EMPTY CASSETTE DIMENSIONS

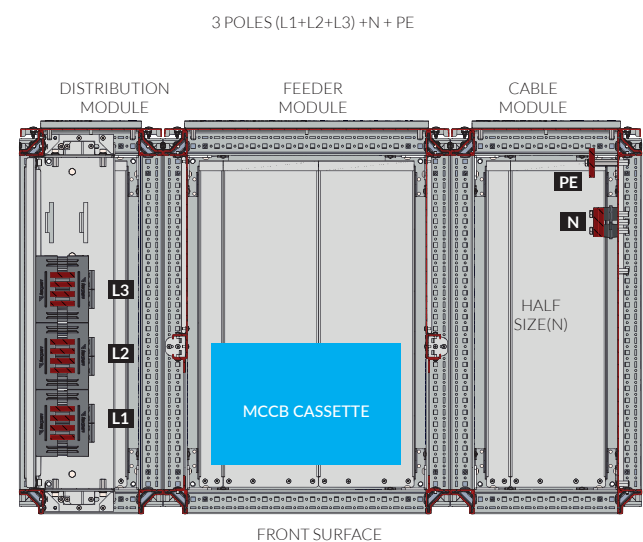


POLE	WIDTH(W)	HEIGHT(H)
3/4	400	150
3/4	400	200
3/4	400	250
3/4	400	300
3/4	400	350
3/4	400	400
3/4	400	450
3/4	400	500
3/4	400	600

POLE	WIDTH(W)	HEIGHT(H)
3/4	600	150
3/4	600	200
3/4	600	250
3/4	600	300
3/4	600	350
3/4	600	400
3/4	600	450
3/4	600	500
3/4	600	600

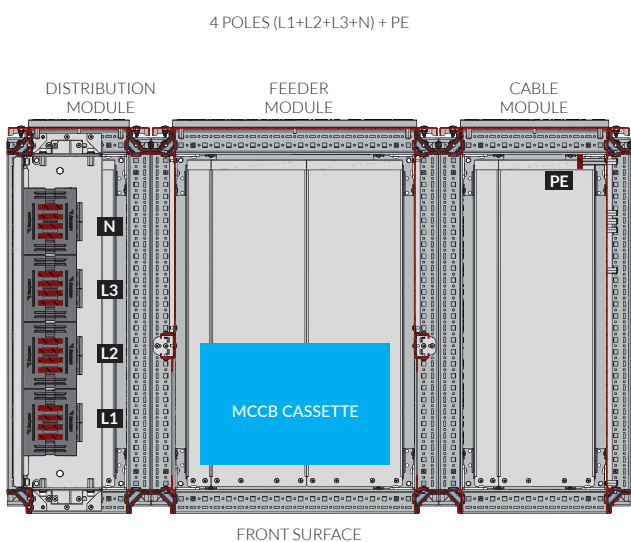
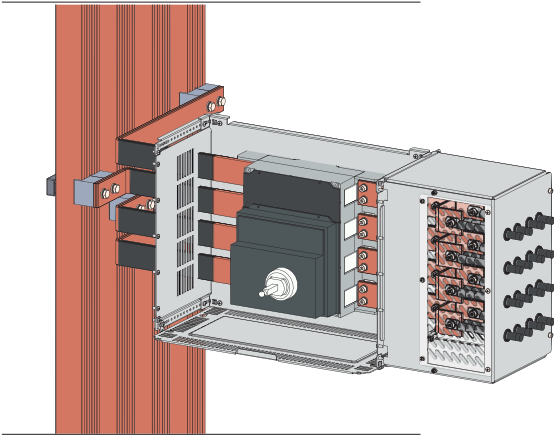
POLE	WIDTH(W)	HEIGHT(H)
3/4	800	150
3/4	800	200
3/4	800	250
3/4	800	300
3/4	800	350
3/4	800	400
3/4	800	450
3/4	800	500
3/4	800	600

■ NO 2: VERTICAL BUSBAR of DISTRIBUTION IN THE MODULE



! Note : 3 Poles vertical busbar position (L1+L2+L3)+N is valid in TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2) and TT(1/2) configurations in NO 3. Please see at Earthing System

AMBIANCE TEMP : 25°C, HEATING TEMP : 30°C,50 Hz A.C.			
Module Depth	Rated Current (In)	Flat Copper Size (mm) x Qty	
		L1/L2/L3	Neutral(N)
600D/800D	495A	20/5x2	20/5x2
600D/800D	700A	30/5x2	30/5x2
600D/800D	900A	40/5x2	40/5x2
600D/800D	1100A	50/5x2	50/5x2
600D/800D	1300A	60/5x2	60/5x2
600D/800D	1350A	40/10x2	40/10x2
600D/800D	1620A	50/10x2	50/10x2
600D/800D	1860A	60/10x2	60/10x2
600D/800D	2300A	80/10x2	80/10x2
800D	2500A	40/10x4	40/10x4
800D	3000A	50/10x4	50/10x4
800D	3400A	60/10x4	60/10x4
800D	4000A	80/10x4	80/10x4



! Note : 4 Poles vertical busbar position (L1+L2+L3+N) is valid in only TN-S(1/1) and TT(1/1) configurations in NO 3. Please see at Earthing System

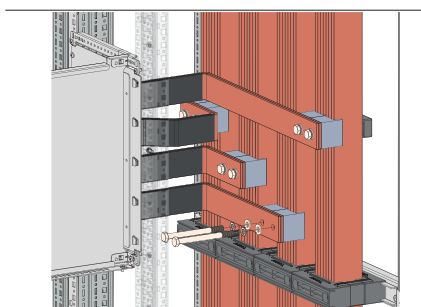
- First important selection is **Vertical Busbar Type** of the module feeding.
- When loading the feeder module with cassettes, the user must to be consider the total power capacity of vertical power with usage factor.
- PDS deliveries cable/conductor connection kits of vertical busbar to cassette. For that reason vertical busbar type and size selection is important to get the correct kit.

- Second important selection is Pole Type of the cassette feeding.
- There are two type of selection : 3 Poles (**L1+L2+L3**) +N+PE or 4 Poles (**L1+L2+L3+N**)+PE as the user demand.
- PDS deliveries cable/conductor connection kits of vertical busbar to cassette. For that reason Pole type selection is important to get the correct quantities.
- When selecting cassettes, the user must to be consider the pole type of the module and pole type of the cassette have to be compatible.
- If user selects 4 poles cassette have to be sure that the module earthing configuration comprises **TN-S(1/1) or TT(1/1)**.

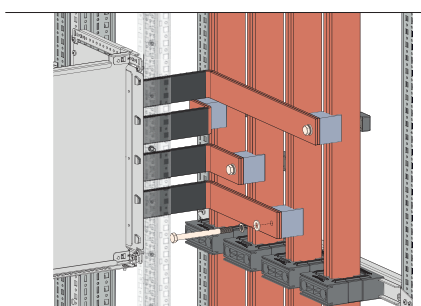
For 3 poles selection the user can be choose all type of earthing configurations. Please see at earthing configuration sheets and instructions.

* The busbar connection kits comprise ;

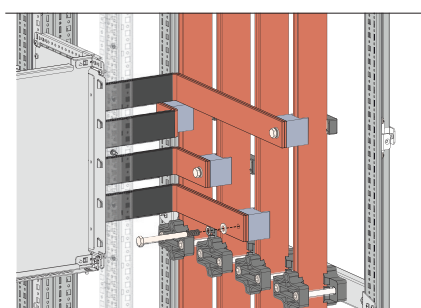
- (a) Flex connect busbar nut according to quantities and thickness of flat bars in each pole
- (b) Bar connection part works as a conductor and spacer according to quantities and thickness of flat bars in each pole
- (c) Hexagon head screw and safety washers according to height of flat bars.



MCCB (A)	Copper Size	Copper Qty.	Hexagon Head Bolt Selection (800D)				Split Lock Washer	Flat Washer
			4000A	3400A	3000A	2500A		
			80/10	60/10	50/10	40/10		
1600A	50/10	2	M10x150	M10x130	M10x120	M10x110	M10	M10
1250A	40/10	2	M10x150	M10x130	M10x120	M10x110	M10	M10
1000A	50/5	2	M10x140	M10x120	M10x110	M10x100	M10	M10
800A	50/10	1	M10x140	M10x120	M10x110	M10x100	M10	M10
630A	30/5	2	M10x140	M10x120	M10x110	M10x100	M10	M10
400A	30/5	1	M10x135	M10x115	M10x105	M10x95	M10	M10
250A	20/5	1	M10x135	M10x115	M10x105	M10x95	M10	M10



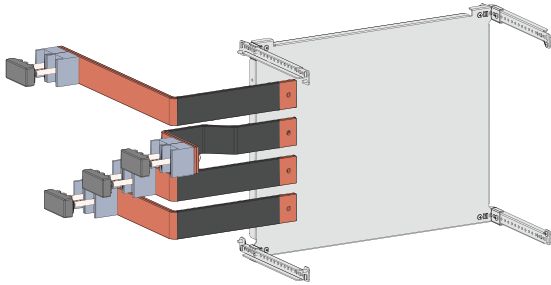
MCCB (A)	Copper Size	Copper Qty.	Hexagon Head Bolt Selection(600D/800D)				Split Lock Washer	Flat Washer
			2300A	1860A	1620A	1350A		
			80/10	60/10	50/10	40/10		
1600A	50/10	2	M8x150	M8x130	M8x120	M8x110	M8	M8
1250A	40/10	2	M8x150	M8x130	M8x120	M8x110	M8	M8
1000A	50/5	2	M8x140	M8x120	M8x110	M8x100	M8	M8
800A	50/10	1	M8x140	M8x120	M8x110	M8x100	M8	M8
630A	30/5	2	M8x140	M8x120	M8x110	M8x100	M8	M8
400A	30/5	1	M8x135	M8x115	M8x105	M8x95	M8	M8
250A	20/5	1	M8x135	M8x115	M8x105	M8x95	M8	M8



MCCB (A)	Copper Size	Copper Qty.	Hexagon Head Bolt Selection(600D/800D)					Split Lock Washer	Flat Washer
			1300A	1100A	900A	700A	495A		
			60/5	50/5	40/5	30/5	20/5		
1600A	50/10	2	M8x120	M8x110	M8x100	M8x90	M8x80	M8	M8
1250A	40/10	2	M8x120	M8x110	M8x100	M8x90	M8x80	M8	M8
1000A	50/5	2	M8x110	M8x100	M8x90	M8x80	M8x70	M8	M8
800A	50/10	1	M8x110	M8x100	M8x90	M8x80	M8x70	M8	M8
630A	30/5	2	M8x110	M8x100	M8x90	M8x80	M8x70	M8	M8
400A	30/5	1	M8x105	M8x95	M8x85	M8x75	M8x65	M8	M8
250A	20/5	1	M8x105	M8x95	M8x85	M8x75	M8x65	M8	M8

■ NO 3 : SEGREGATION TYPE

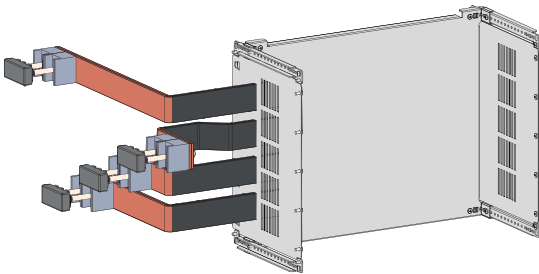
Form 1



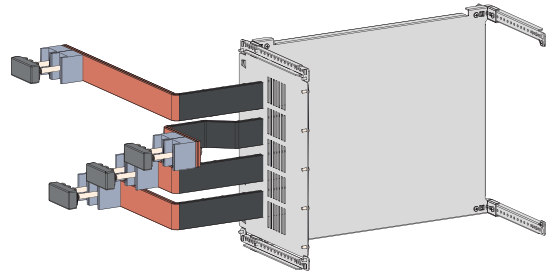
! Selecting cassettes, the user must to be consider the segregation of the module and the cassette have to be compatible.

- See the details for assembling cassettes according to Form types in assembling drawings and instructions.

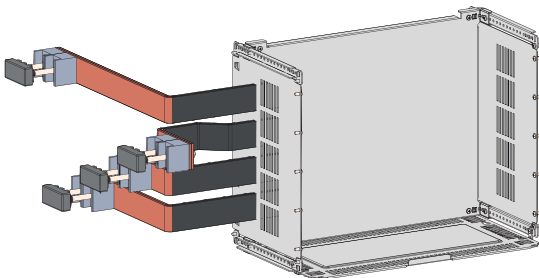
Form 2a



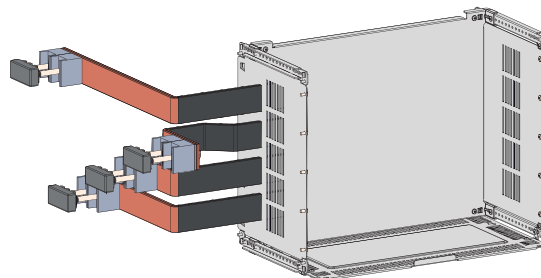
Form 2b



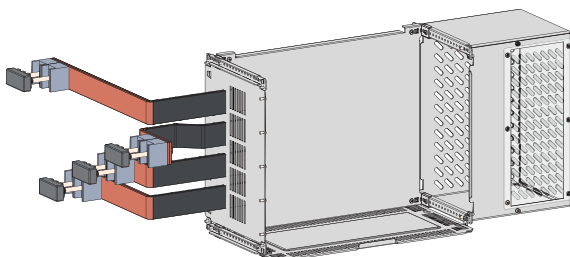
Form 3a



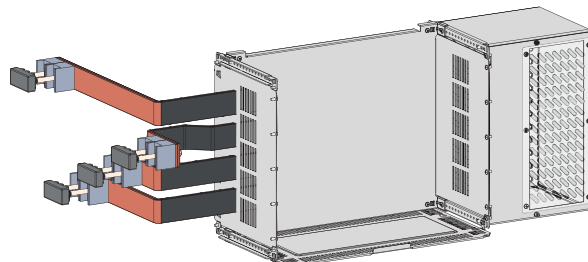
Form 3b



Form 4a

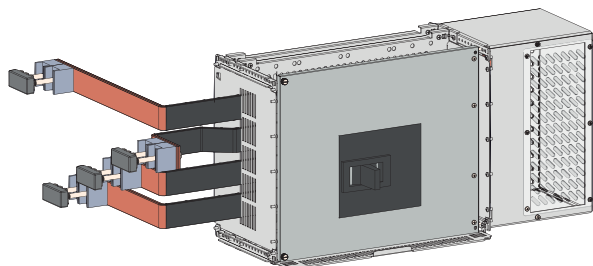


Form 4b

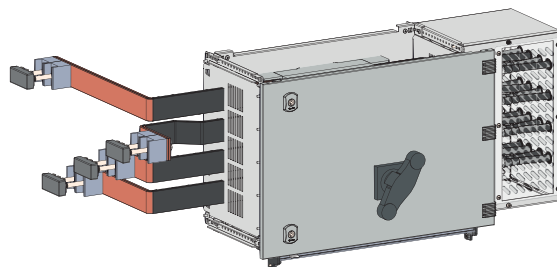


■ NO 4 : FRONT PROTECTION

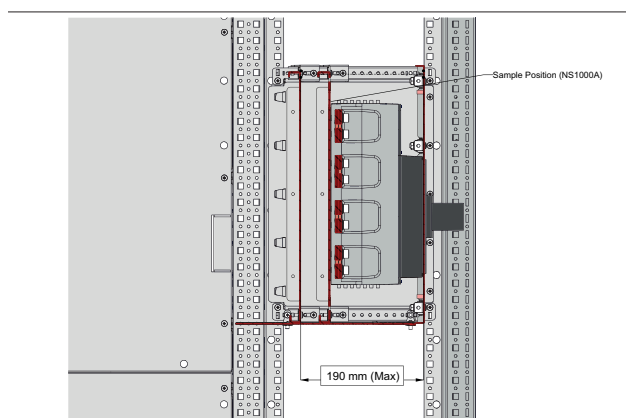
Internal Protection



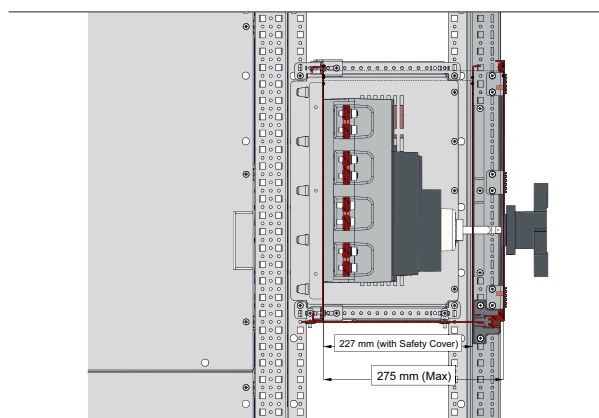
External Protection



Depth View Size of Internal Protection



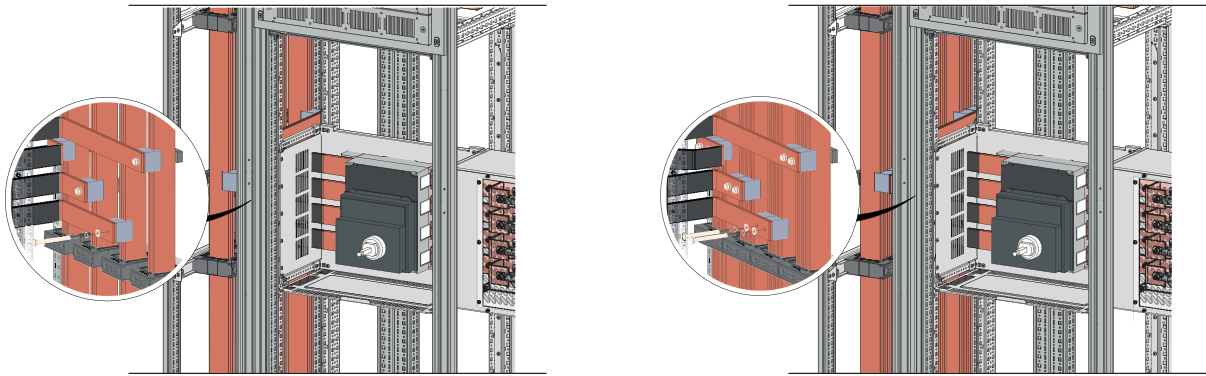
Depth View Size of External Protection



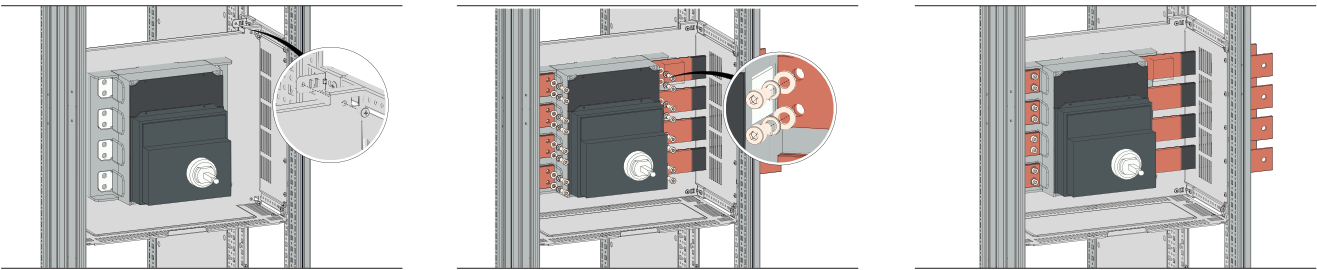
! Selecting cassettes, the user must be consider the front protection of the module and the cassette have to be compatible.

■ NO : 5 INSTALLATION OF A MCCB CASSETTE

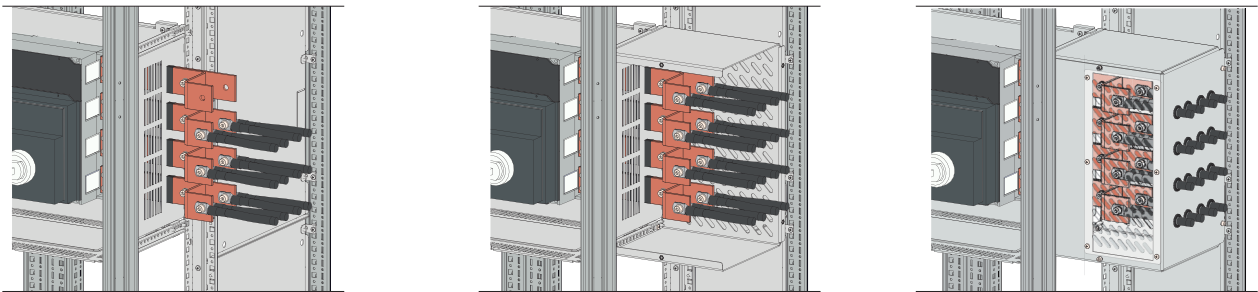
Conductor Connections from Distribution Busbar to MCCB Input



Fixing of an MCCB Cassette into Module



Conductor Connections from MCCB Output to Terminal





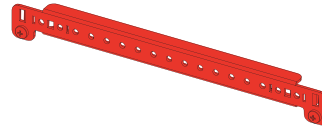
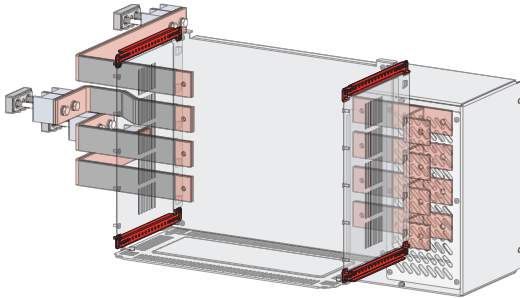
1. SIZING THE CASSETTE

UNIVERSAL	POLE	WIDTH(W)*	HEIGHT(H)	UNIVERSAL	POLE	WIDTH(W)*	HEIGHT(H)	UNIVERSAL	POLE	WIDTH(W)*	HEIGHT(H)
	3/4	400	150		3/4	600	150		3/4	800	150
	3/4	400	200		3/4	600	200		3/4	800	200
	3/4	400	250		3/4	600	250		3/4	800	250
	3/4	400	300		3/4	600	300		3/4	800	300
	3/4	400	350		3/4	600	350		3/4	800	350
	3/4	400	400		3/4	600	400		3/4	800	400
	3/4	400	450		3/4	600	450		3/4	800	450
	3/4	400	500		3/4	600	500		3/4	800	500
	3/4	400	600		3/4	600	600		3/4	800	600



■ 2.MCCB MOUNTING SYSTEM

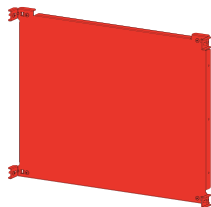
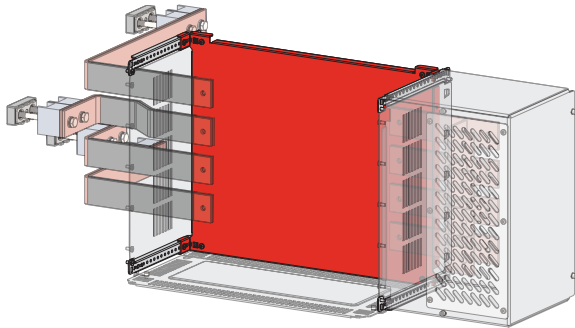
■ 2.1 SYSTEM-2 RAIL KIT



REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
1037.001	4 pcs.	4

- Package includes **4 pcs. System-2 Rail, Assembly Parts(M5x10 Screw)**

■ 2.2 MOUNTING PLATE



WIDTH(W)	HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
400	150	1038.415	1 pc.	1
400	200	1038.420	1 pc.	1
400	250	1038.425	1 pc.	1
400	300	1038.430	1 pc.	1
400	350	1038.435	1 pc.	1
400	400	1038.440	1 pc.	1
400	450	1038.445	1 pc.	1
400	500	1038.450	1 pc.	1
400	600	1038.460	1 pc.	1
400	800	1038.480	1 pc.	1
400	1000	1038.499	1 pc.	1
600	150	1038.615	1 pc.	1
600	200	1038.620	1 pc.	1
600	250	1038.625	1 pc.	1
600	300	1038.630	1 pc.	1
600	350	1038.635	1 pc.	1
600	400	1038.640	1 pc.	1
600	450	1038.645	1 pc.	1
600	500	1038.650	1 pc.	1
600	600	1038.660	1 pc.	1
600	800	1038.680	1 pc.	1
600	1000	1038.699	1 pc.	1
800	150	1038.815	1 pc.	1
800	200	1038.820	1 pc.	1
800	250	1038.825	1 pc.	1
800	300	1038.830	1 pc.	1
800	350	1038.835	1 pc.	1
800	400	1038.840	1 pc.	1
800	450	1038.845	1 pc.	1
800	500	1038.850	1 pc.	1
800	600	1038.860	1 pc.	1
800	800	1038.880	1 pc.	1
800	1000	1038.899	1 pc.	1

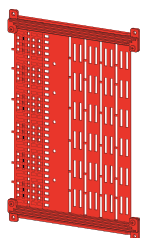
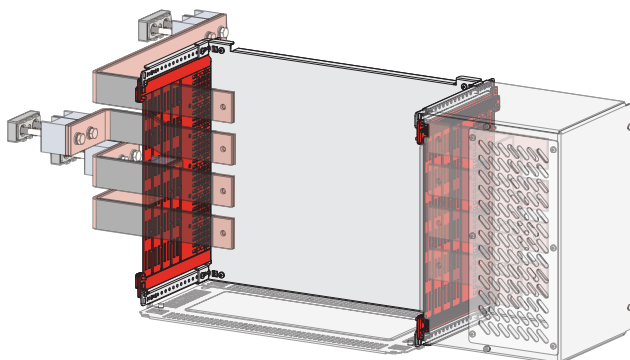
- Package includes **1 pc. Mounting Plate, 4 pcs. Mounting Plate Bracket, Assembly Parts**



■ 3.SEPARATION

■ 3.1 SIDE SEPARATION

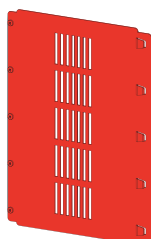
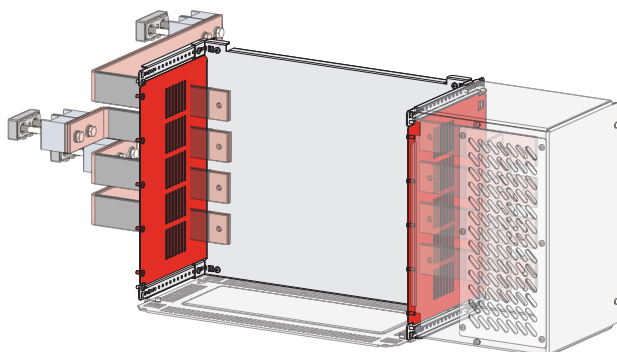
■ 3.1.1 MODULAR SIDE SEPARATION COVER



HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
150	1041.015	1 pc.	1/2**
200	1041.020	1 pc.	1/2**
250	1041.025	1 pc.	1/2**
300	1041.030	1 pc.	1/2**
350	1041.035	1 pc.	1/2**
400	1041.040	1 pc.	1/2**

- Package includes **1 pc. Modular Side Cover, 2 pcs. Male Cover Holder, 2 pcs. Female Cover Holder, Assembly Parts(M5x14 Screw)**
- **MODULAR SIDE SEPARATION COVER** must be selected only if it is necessary.
- 1 pieces required with **Form 2b, Form 4a** separating options.
- 2 pieces required with **Form 2a, Form 3a, Form 3b, Form 4b** separating options.

■ 3.1.2 SIDE SEPARATION COVER

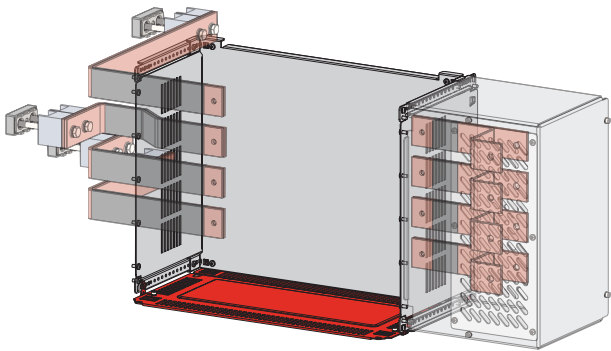


HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
150	1033.150	1 pc.	1/2**
200	1033.200	1 pc.	1/2**
250	1033.250	1 pc.	1/2**
300	1033.300	1 pc.	1/2**
350	1033.350	1 pc.	1/2**
400	1033.400	1 pc.	1/2**
450	1033.450	1 pc.	1/2**
500	1033.500	1 pc.	1/2**
600	1033.600	1 pc.	1/2**
800	1033.800	1 pc.	1/2**
1000	1033.999	1 pc.	1/2**

- Package includes **1 pc. Side Cover, Assembly Parts (M5x10 Screw)**
- **MODULAR SIDE SEPARATION COVER** must be selected only if it is necessary.
- 1 pieces required with **Form 2b, Form 4a** separating options.
- 2 pieces required with **Form 2a, Form 3a, Form 3b, Form 4b** separating options.



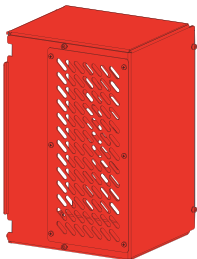
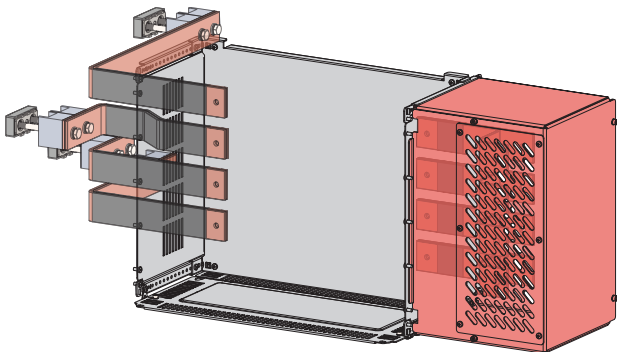
3.2 MCCB BOTTOM SEPARATION SHELF



WIDTH(W)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
400	1032.040	1 pc.	1
600	1032.060	1 pc.	1
800	1032.080	1 pc.	1

- **BOTTOM SEPARATION SHELF** must be selected with **Form 3a, Form 3b, Form 4a, Form 4b** separating options.
- Package includes **1 pc. Separation Shelf, 4 pcs. Shelf Bracket, Assembly Parts(M5x6 Screw/Hexagon Socket Head Screw)**

3.3 FORM 4 SEPARATION BOX



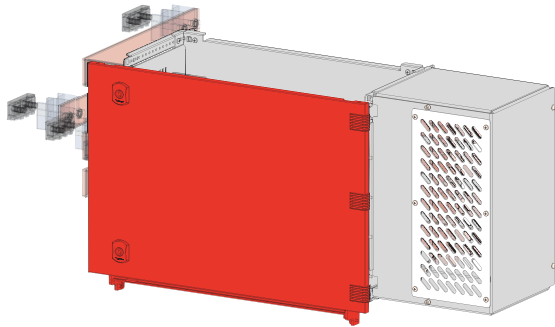
HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
150	1042.015	1 pc.	1
200	1042.020	1 pc.	1
250	1042.025	1 pc.	1
300	1042.030	1 pc.	1
350	1042.035	1 pc.	1
400	1042.040	1 pc.	1

- **FORM 4 SEPARATION BOX** must be selected with **Form 4a, Form 4b** separating options.
- Package includes **1 pc. Separation Box(Rear), 1 pc. Separation Box(Front), 1 pc. Separation Box Front Cover, Assembly Parts(M5x10 Screw/Hexagon Socket Head Screw)**



■ 4.FRONT DOOR

■ 4.1 EXTERNAL PARTIAL DOOR

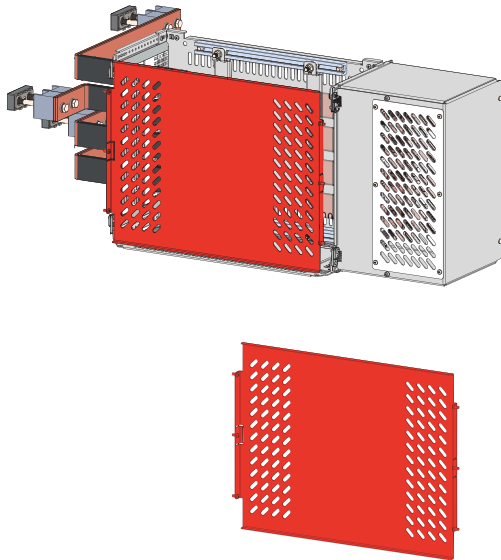


- **EXTERNAL DOOR** must be selected only if it is necessary.
- Package includes **1 pcs. Partial Door, Assembly Parts (Locks, Hinges included)**

WIDTH(W)	HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
400	150	853.415	1 pc.	1
400	200	853.420	1 pc.	1
400	250	853.425	1 pc.	1
400	300	853.430	1 pc.	1
400	350	853.435	1 pc.	1
400	400	853.440	1 pc.	1
400	450	853.445	1 pc.	1
400	500	853.450	1 pc.	1
400	600	853.460	1 pc.	1
400	800	853.480	1 pc.	1
400	1000	853.499	1 pc.	1
600	150	853.615	1 pc.	1
600	200	853.620	1 pc.	1
600	250	853.625	1 pc.	1
600	300	853.630	1 pc.	1
600	350	853.635	1 pc.	1
600	400	853.640	1 pc.	1
600	450	853.645	1 pc.	1
600	500	853.650	1 pc.	1
600	600	853.660	1 pc.	1
600	800	853.680	1 pc.	1
600	1000	853.699	1 pc.	1
800	150	853.815	1 pc.	1
800	200	853.820	1 pc.	1
800	250	853.825	1 pc.	1
800	300	853.830	1 pc.	1
800	350	853.835	1 pc.	1
800	400	853.840	1 pc.	1
800	450	853.845	1 pc.	1
800	500	853.850	1 pc.	1
800	600	853.860	1 pc.	1
800	800	853.880	1 pc.	1
800	1000	853.899	1 pc.	1



■ 4.2 MCCB SAFETY COVER

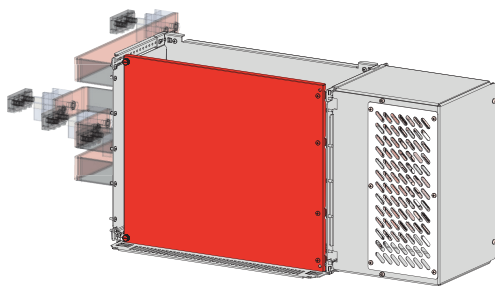


- This part can be used with **EXTERNAL PARTIAL DOOR**.
- **MCCB SAFETY COVER** could be selected with **Form 4a, Form 4b** separating options.
- Package includes **1 pc. Safety Cover, Assembly Parts (M5x10 Screw)**

WIDTH(W)	HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
400	150	1064.415	1 pc.	1
400	200	1064.420	1 pc.	1
400	250	1064.425	1 pc.	1
400	300	1064.430	1 pc.	1
400	350	1064.435	1 pc.	1
400	400	1064.440	1 pc.	1
400	450	1064.445	1 pc.	1
400	500	1064.450	1 pc.	1
400	600	1064.460	1 pc.	1
400	800	1064.480	1 pc.	1
400	1000	1064.400	1 pc.	1
600	150	1064.615	1 pc.	1
600	200	1064.620	1 pc.	1
600	250	1064.625	1 pc.	1
600	300	1064.630	1 pc.	1
600	350	1064.635	1 pc.	1
600	400	1064.640	1 pc.	1
600	450	1064.645	1 pc.	1
600	500	1064.650	1 pc.	1
600	600	1064.660	1 pc.	1
600	800	1064.680	1 pc.	1
600	1000	1064.600	1 pc.	1
800	150	1064.815	1 pc.	1
800	200	1064.820	1 pc.	1
800	250	1064.825	1 pc.	1
800	300	1064.830	1 pc.	1
800	350	1064.835	1 pc.	1
800	400	1064.840	1 pc.	1
800	450	1064.845	1 pc.	1
800	500	1064.850	1 pc.	1
800	600	1064.860	1 pc.	1
800	800	1064.880	1 pc.	1
800	1000	1064.800	1 pc.	1



■ 4.3 INTERNAL PARTIAL DOOR



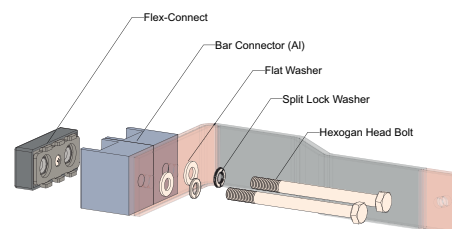
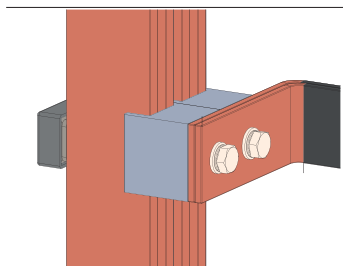
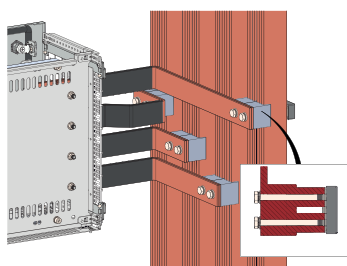
- **INTERNAL DOOR** must be selected only if it is necessary.
- Package includes **1 pcs. Internal Partial Door, Assembly Parts(Locks, Hinges included).**

WIDTH(W)	HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs)	REQUIRED QTY. (pcs.)
400	150	954.415	1 pc.	1
400	200	954.420	1 pc.	1
400	250	954.425	1 pc.	1
400	300	954.430	1 pc.	1
400	350	954.435	1 pc.	1
400	400	954.440	1 pc.	1
400	450	954.445	1 pc.	1
400	500	954.450	1 pc.	1
400	600	954.460	1 pc.	1
400	800	954.480	1 pc.	1
400	1000	954.499	1 pc.	1
600	150	954.615	1 pc.	1
600	200	954.620	1 pc.	1
600	250	954.625	1 pc.	1
600	300	954.630	1 pc.	1
600	350	954.635	1 pc.	1
600	400	954.640	1 pc.	1
600	450	954.645	1 pc.	1
600	500	954.650	1 pc.	1
600	600	954.660	1 pc.	1
600	800	954.680	1 pc.	1
600	1000	954.699	1 pc.	1
800	150	954.815	1 pc.	1
800	200	954.820	1 pc.	1
800	250	954.825	1 pc.	1
800	300	954.830	1 pc.	1
800	350	954.835	1 pc.	1
800	400	954.840	1 pc.	1
800	450	954.845	1 pc.	1
800	500	954.850	1 pc.	1
800	600	954.860	1 pc.	1
800	800	954.880	1 pc.	1
800	1000	954.899	1 pc.	1



5. VERTICAL BUSBAR CONNECTION

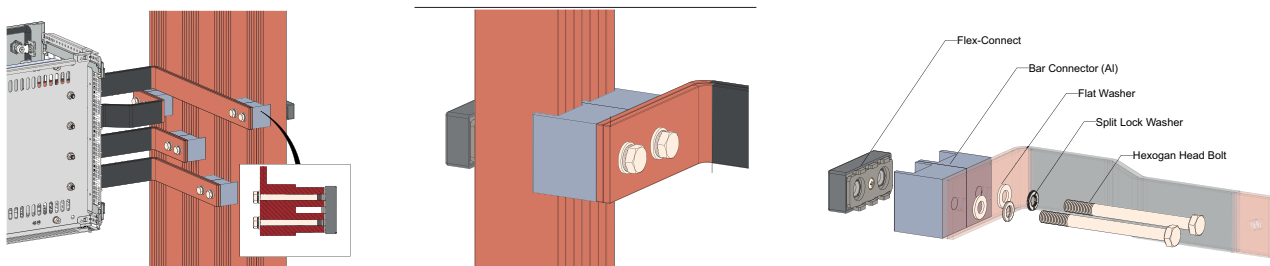
5.1 VERTICAL BUSBAR CONNECTION KIT (2500A-4000A)



VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
4000	50/10x2	1051.050	1 pc.	6	2	1035.4130	1 Set	3	1
4000	40/10x2	1051.040	1 pc.	6	2	1035.4130	1 Set	3	1
4000	50/10x1	1051.040	1 pc.	6	2	1035.4120	1 Set	3	1
4000	40/10x1	1051.040	1 pc.	6	2	1035.4120	1 Set	3	1
4000	50/5x2	1051.050	1 pc.	6	2	1035.4120	1 Set	3	1
4000	40/5x2	1051.040	1 pc.	6	2	1035.4120	1 Set	3	1
4000	30/5x2	1051.030	1 pc.	6	2	1035.4120	1 Set	3	1
4000	20/5x2	1051.020	1 pc.	6	2	1035.4120	1 Set	3	1
4000	50/5x1	1051.050	1 pc.	6	2	1035.4115	1 Set	3	1
4000	40/5x1	1051.040	1 pc.	6	2	1035.4115	1 Set	3	1
4000	30/5x1	1051.030	1 pc.	6	2	1035.4115	1 Set	3	1
4000	20/5x1	1051.020	1 pc.	6	2	1035.4115	1 Set	3	1
4000	CABLE	1051.020	1 pc.	6	2	1035.4110	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
3400	50/10x2	1051.050	1 pc.	6	2	1035.4110	1 Set	3	1
3400	40/10x2	1051.040	1 pc.	6	2	1035.4110	1 Set	3	1
3400	50/10x1	1051.050	1 pc.	6	2	1035.4100	1 Set	3	1
3400	40/10x1	1051.040	1 pc.	6	2	1035.4100	1 Set	3	1
3400	50/5x2	1051.050	1 pc.	6	2	1035.4100	1 Set	3	1
3400	40/5x2	1051.040	1 pc.	6	2	1035.4100	1 Set	3	1
3400	30/5x2	1051.030	1 pc.	6	2	1035.4100	1 Set	3	1
3400	20/5x2	1051.020	1 pc.	6	2	1035.4100	1 Set	3	1
3400	50/5x1	1051.050	1 pc.	6	2	1035.4095	1 Set	3	1
3400	40/5x1	1051.040	1 pc.	6	2	1035.4095	1 Set	3	1
3400	30/5x1	1051.030	1 pc.	6	2	1035.4095	1 Set	3	1
3400	20/5x1	1051.020	1 pc.	6	2	1035.4095	1 Set	3	1
3400	CABLE	1051.020	1 pc.	6	2	1035.4090	1 Set	3	1

■ 5.1 VERTICAL BUSBAR CONNECTION KIT (2500A-4000A)

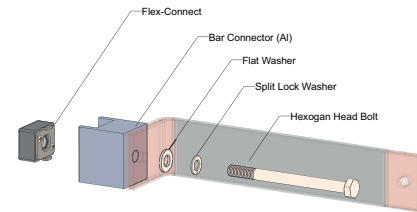
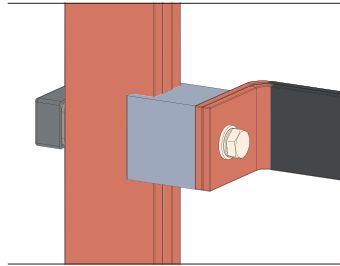
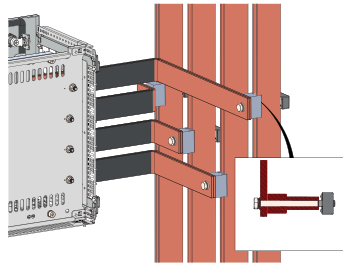


VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
3000	50/10x2	1051.050	1 pc.	6	2	1035.4100	1 Set	3	1
3000	40/10x2	1051.040	1 pc.	6	2	1035.4100	1 Set	3	1
3000	50/10x1	1051.050	1 pc.	6	2	1035.4090	1 Set	3	1
3000	40/10x1	1051.040	1 pc.	6	2	1035.4090	1 Set	3	1
3000	50/5x2	1051.050	1 pc.	6	2	1035.4090	1 Set	3	1
3000	40/5x2	1051.040	1 pc.	6	2	1035.4090	1 Set	3	1
3000	30/5x2	1051.030	1 pc.	6	2	1035.4090	1 Set	3	1
3000	20/5x2	1051.020	1 pc.	6	2	1035.4090	1 Set	3	1
3000	50/5x1	1051.050	1 pc.	6	2	1035.4085	1 Set	3	1
3000	40/5x1	1051.040	1 pc.	6	2	1035.4085	1 Set	3	1
3000	30/5x1	1051.030	1 pc.	6	2	1035.4085	1 Set	3	1
3000	20/5x1	1051.020	1 pc.	6	2	1035.4085	1 Set	3	1
3000	CABLE	1051.020	1 pc.	6	2	1035.4080	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
2500	50/10x2	1051.050	1 pc.	6	2	1035.4090	1 Set	3	1
2500	40/10x2	1051.040	1 pc.	6	2	1035.4090	1 Set	3	1
2500	50/10x1	1051.050	1 pc.	6	2	1035.4080	1 Set	3	1
2500	40/10x1	1051.040	1 pc.	6	2	1035.4080	1 Set	3	1
2500	50/5x2	1051.050	1 pc.	6	2	1035.4080	1 Set	3	1
2500	40/5x2	1051.040	1 pc.	6	2	1035.4080	1 Set	3	1
2500	30/5x2	1051.030	1 pc.	6	2	1035.4080	1 Set	3	1
2500	20/5x2	1051.020	1 pc.	6	2	1035.4080	1 Set	3	1
2500	50/5x1	1051.050	1 pc.	6	2	1035.4075	1 Set	3	1
2500	40/5x1	1051.040	1 pc.	6	2	1035.4075	1 Set	3	1
2500	30/5x1	1051.030	1 pc.	6	2	1035.4075	1 Set	3	1
2500	20/5x1	1051.020	1 pc.	6	2	1035.4075	1 Set	3	1
2500	CABLE	1051.020	1 pc.	6	2	1035.4070	1 Set	3	1



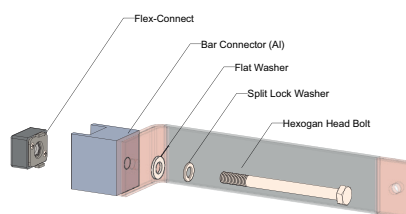
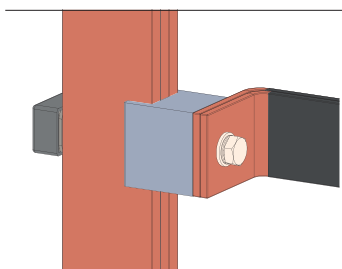
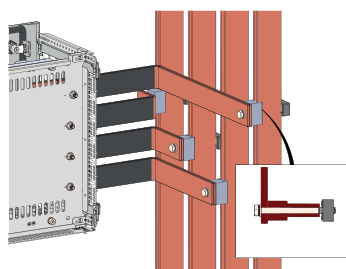
5.2 VERTICAL BUSBAR CONNECTION KIT (1350A-2300A)



VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY.(set.) (N)
2300	50/10x2	1051.050	1 pc.	3	1	1035.2130	1 Set	3	1
2300	40/10x2	1051.040	1 pc.	3	1	1035.2130	1 Set	3	1
2300	50/10x1	1051.050	1 pc.	3	1	1035.2120	1 Set	3	1
2300	40/10x1	1051.040	1 pc.	3	1	1035.2120	1 Set	3	1
2300	50/5x2	1051.050	1 pc.	3	1	1035.2120	1 Set	3	1
2300	40/5x2	1051.040	1 pc.	3	1	1035.2120	1 Set	3	1
2300	30/5x2	1051.030	1 pc.	3	1	1035.2120	1 Set	3	1
2300	20/5x2	1051.020	1 pc.	3	1	1035.2120	1 Set	3	1
2300	50/5x1	1051.050	1 pc.	3	1	1035.2115	1 Set	3	1
2300	40/5x1	1051.040	1 pc.	3	1	1035.2115	1 Set	3	1
2300	30/5x1	1051.030	1 pc.	3	1	1035.2115	1 Set	3	1
2300	20/5x1	1051.020	1 pc.	3	1	1035.2115	1 Set	3	1
2300	CABLE	1051.020	1 pc.	3	1	1035.2110	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY.(set.) (N)
1860	50/10x2	1051.050	1 pc.	3	1	1035.2110	1 Set	3	1
1860	40/10x2	1051.040	1 pc.	3	1	1035.2110	1 Set	3	1
1860	50/10x1	1051.050	1 pc.	3	1	1035.2100	1 Set	3	1
1860	40/10x1	1051.040	1 pc.	3	1	1035.2100	1 Set	3	1
1860	50/5x2	1051.050	1 pc.	3	1	1035.2100	1 Set	3	1
1860	40/5x2	1051.040	1 pc.	3	1	1035.2100	1 Set	3	1
1860	30/5x2	1051.030	1 pc.	3	1	1035.2100	1 Set	3	1
1860	20/5x2	1051.020	1 pc.	3	1	1035.2100	1 Set	3	1
1860	50/5x1	1051.050	1 pc.	3	1	1035.2095	1 Set	3	1
1860	40/5x1	1051.040	1 pc.	3	1	1035.2095	1 Set	3	1
1860	30/5x1	1051.030	1 pc.	3	1	1035.2095	1 Set	3	1
1860	20/5x1	1051.020	1 pc.	3	1	1035.2095	1 Set	3	1
1860	CABLE	1051.020	1 pc.	3	1	1035.2090	1 Set	3	1

■ 5.2 VERTICAL BUSBAR CONNECTION KIT (1350A-2300A)

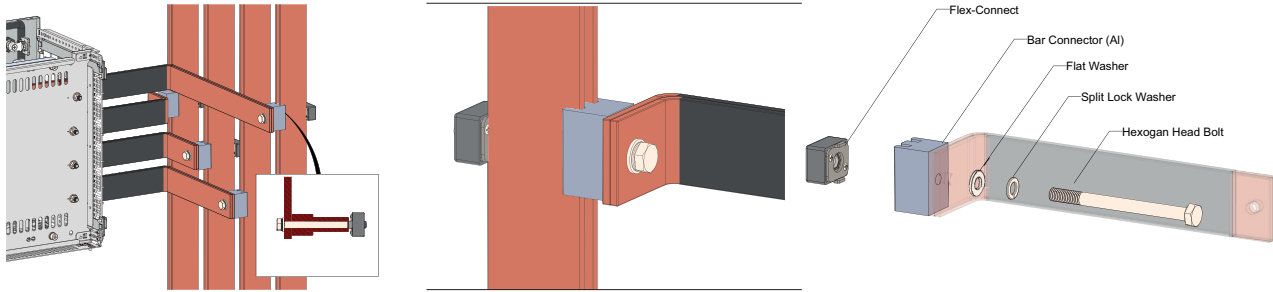


VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY.(set.) (N)
1620	50/10x2	1051.050	1 pc.	3	1	1035.2100	1 Set	3	1
1620	40/10x2	1051.040	1 pc.	3	1	1035.2100	1 Set	3	1
1620	50/10x1	1051.050	1 pc.	3	1	1035.2090	1 Set	3	1
1620	40/10x1	1051.040	1 pc.	3	1	1035.2090	1 Set	3	1
1620	50/5x2	1051.050	1 pc.	3	1	1035.2090	1 Set	3	1
1620	40/5x2	1051.040	1 pc.	3	1	1035.2090	1 Set	3	1
1620	30/5x2	1051.030	1 pc.	3	1	1035.2090	1 Set	3	1
1620	20/5x2	1051.020	1 pc.	3	1	1035.2090	1 Set	3	1
1620	50/5x1	1051.050	1 pc.	3	1	1035.2085	1 Set	3	1
1620	40/5x1	1051.040	1 pc.	3	1	1035.2085	1 Set	3	1
1620	30/5x1	1051.030	1 pc.	3	1	1035.2085	1 Set	3	1
1620	20/5x1	1051.020	1 pc.	3	1	1035.2085	1 Set	3	1
1620	CABLE	1051.020	1 pc.	3	1	1035.2080	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY.(set.) (N)
1350	50/10x2	1051.050	1 pc.	3	1	1035.2090	1 Set	3	1
1350	40/10x2	1051.040	1 pc.	3	1	1035.2090	1 Set	3	1
1350	50/10x1	1051.050	1 pc.	3	1	1035.2080	1 Set	3	1
1350	40/10x1	1051.040	1 pc.	3	1	1035.2080	1 Set	3	1
1350	50/5x2	1051.050	1 pc.	3	1	1035.2080	1 Set	3	1
1350	40/5x2	1051.040	1 pc.	3	1	1035.2080	1 Set	3	1
1350	30/5x2	1051.030	1 pc.	3	1	1035.2080	1 Set	3	1
1350	20/5x2	1051.020	1 pc.	3	1	1035.2080	1 Set	3	1
1350	50/5x1	1051.050	1 pc.	3	1	1035.2075	1 Set	3	1
1350	40/5x1	1051.040	1 pc.	3	1	1035.2075	1 Set	3	1
1350	30/5x1	1051.030	1 pc.	3	1	1035.2075	1 Set	3	1
1350	20/5x1	1051.020	1 pc.	3	1	1035.2075	1 Set	3	1
1350	CABLE	1051.020	1 pc.	3	1	1035.2070	1 Set	3	1



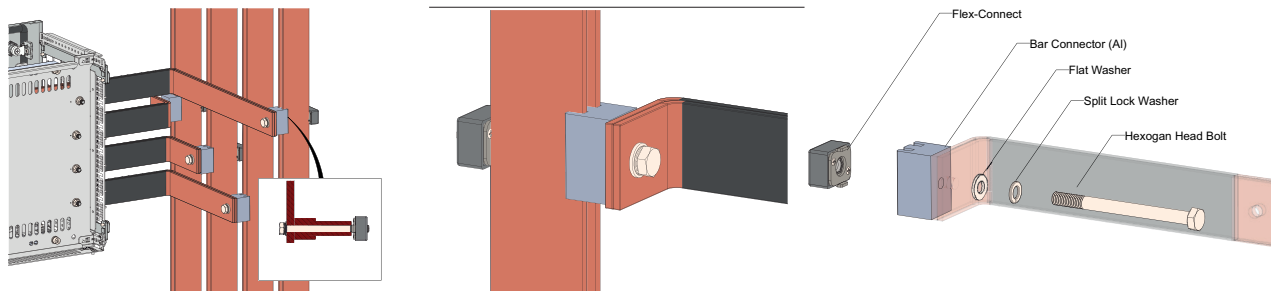
■ 5.3 VERICAL BUSBAR CONNECTION KIT (495A-1300A)



VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
1300	50/10x2	1051.150	1 pc.	3	1	1035.2100	1 Set	3	1
1300	40/10x2	1051.140	1 pc.	3	1	1035.2100	1 Set	3	1
1300	50/10x1	1051.150	1 pc.	3	1	1035.2090	1 Set	3	1
1300	40/10x1	1051.140	1 pc.	3	1	1035.2090	1 Set	3	1
1300	50/5x2	1051.150	1 pc.	3	1	1035.2090	1 Set	3	1
1300	40/5x2	1051.140	1 pc.	3	1	1035.2090	1 Set	3	1
1300	30/5x2	1051.130	1 pc.	3	1	1035.2090	1 Set	3	1
1300	20/5x2	1051.120	1 pc.	3	1	1035.2090	1 Set	3	1
1300	50/5x1	1051.150	1 pc.	3	1	1035.2085	1 Set	3	1
1300	40/5x1	1051.140	1 pc.	3	1	1035.2085	1 Set	3	1
1300	30/5x1	1051.130	1 pc.	3	1	1035.2085	1 Set	3	1
1300	20/5x1	1051.120	1 pc.	3	1	1035.2085	1 Set	3	1
1300	CABLE	1051.120	1 pc.	3	1	1035.2080	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
1100	50/10x2	1051.150	1 pc.	3	1	1035.2090	1 Set	3	1
1100	40/10x2	1051.140	1 pc.	3	1	1035.2090	1 Set	3	1
1100	50/10x1	1051.150	1 pc.	3	1	1035.2080	1 Set	3	1
1100	40/10x1	1051.140	1 pc.	3	1	1035.2080	1 Set	3	1
1100	50/5x2	1051.150	1 pc.	3	1	1035.2080	1 Set	3	1
1100	40/5x2	1051.140	1 pc.	3	1	1035.2080	1 Set	3	1
1100	30/5x2	1051.130	1 pc.	3	1	1035.2080	1 Set	3	1
1100	20/5x2	1051.120	1 pc.	3	1	1035.2080	1 Set	3	1
1100	50/5x1	1051.150	1 pc.	3	1	1035.2075	1 Set	3	1
1100	40/5x1	1051.140	1 pc.	3	1	1035.2075	1 Set	3	1
1100	30/5x1	1051.130	1 pc.	3	1	1035.2075	1 Set	3	1
1100	20/5x1	1051.120	1 pc.	3	1	1035.2075	1 Set	3	1
1100	CABLE	1051.120	1 pc.	3	1	1035.2070	1 Set	3	1

■ 5.3 VERICAL BUSBAR CONNECTION KIT (495A-1300A)

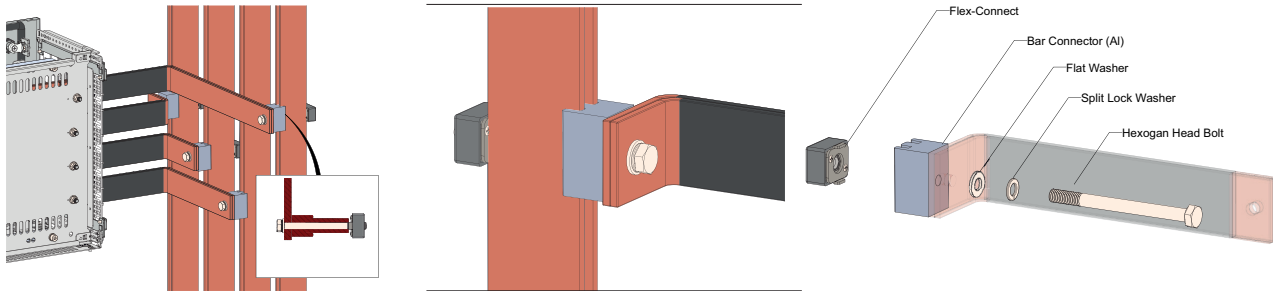


VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
900	50/10x2	1051.150	1 pc.	3	1	1035.2080	1 Set	3	1
900	40/10x2	1051.140	1 pc.	3	1	1035.2080	1 Set	3	1
900	50/10x1	1051.150	1 pc.	3	1	1035.2070	1 Set	3	1
900	40/10x1	1051.140	1 pc.	3	1	1035.2070	1 Set	3	1
900	50/5x2	1051.150	1 pc.	3	1	1035.2070	1 Set	3	1
900	40/5x2	1051.140	1 pc.	3	1	1035.2070	1 Set	3	1
900	30/5x2	1051.130	1 pc.	3	1	1035.2070	1 Set	3	1
900	20/5x2	1051.120	1 pc.	3	1	1035.2070	1 Set	3	1
900	50/5x1	1051.150	1 pc.	3	1	1035.2065	1 Set	3	1
900	40/5x1	1051.140	1 pc.	3	1	1035.2065	1 Set	3	1
900	30/5x1	1051.130	1 pc.	3	1	1035.2065	1 Set	3	1
900	20/5x1	1051.120	1 pc.	3	1	1035.2065	1 Set	3	1
900	CABLE	1051.120	1 pc.	3	1	1035.2060	1 Set	3	1

VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
700	50/10x2	1051.150	1 pc.	3	1	1035.2070	1 Set	3	1
700	40/10x2	1051.140	1 pc.	3	1	1035.2070	1 Set	3	1
700	50/10x1	1051.150	1 pc.	3	1	1035.2060	1 Set	3	1
700	40/10x1	1051.140	1 pc.	3	1	1035.2060	1 Set	3	1
700	50/5x2	1051.150	1 pc.	3	1	1035.2060	1 Set	3	1
700	40/5x2	1051.140	1 pc.	3	1	1035.2060	1 Set	3	1
700	30/5x2	1051.130	1 pc.	3	1	1035.2060	1 Set	3	1
700	20/5x2	1051.120	1 pc.	3	1	1035.2060	1 Set	3	1
700	50/5x1	1051.150	1 pc.	3	1	1035.2055	1 Set	3	1
700	40/5x1	1051.140	1 pc.	3	1	1035.2055	1 Set	3	1
700	30/5x1	1051.130	1 pc.	3	1	1035.2055	1 Set	3	1
700	20/5x1	1051.120	1 pc.	3	1	1035.2055	1 Set	3	1
700	CABLE	1051.120	1 pc.	3	1	1035.2050	1 Set	3	1



■ 5.3 VERICAL BUSBAR CONNECTION KIT (495A-1300A)



VERTICAL BUSBAR(A)	CONNECTION BAR SIZE	BAR CONNECTION				FLEX-CONNECT			
		REF. NO.	PACKAGE QTY.(pcs.)	REQUIRED QTY.(pcs.) (L1, L2, L3)	REQUIRED QTY.(pcs.) (N)	REF. NO.	PACKAGE QTY.(Set)	REQUIRED QTY.(Set) (L1, L2, L3)	REQUIRED QTY. (set.) (N)
495	50/10x2	1051.150	1 pc.	3	1	1035.2060	1 Set	3	1
495	40/10x2	1051.140	1 pc.	3	1	1035.2060	1 Set	3	1
495	50/10x1	1051.150	1 pc.	3	1	1035.2050	1 Set	3	1
495	40/10x1	1051.140	1 pc.	3	1	1035.2050	1 Set	3	1
495	50/5x2	1051.150	1 pc.	3	1	1035.2050	1 Set	3	1
495	40/5x2	1051.140	1 pc.	3	1	1035.2050	1 Set	3	1
495	30/5x2	1051.130	1 pc.	3	1	1035.2050	1 Set	3	1
495	20/5x2	1051.120	1 pc.	3	1	1035.2050	1 Set	3	1
495	50/5x1	1051.150	1 pc.	3	1	1035.2045	1 Set	3	1
495	40/5x1	1051.140	1 pc.	3	1	1035.2045	1 Set	3	1
495	30/5x1	1051.130	1 pc.	3	1	1035.2045	1 Set	3	1
495	20/5x1	1051.120	1 pc.	3	1	1035.2045	1 Set	3	1
495	CABLE	1051.120	1 pc.	3	1	1035.2040	1 Set	3	1



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