

A2.4

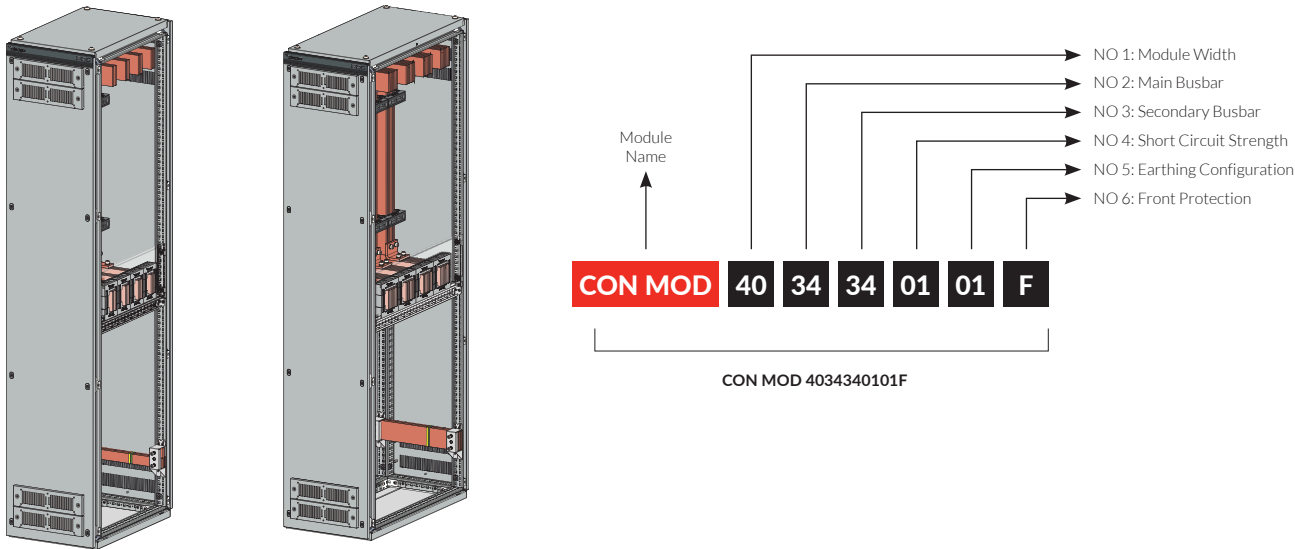
CONVERT MODULE (CU-CU)

07/2023



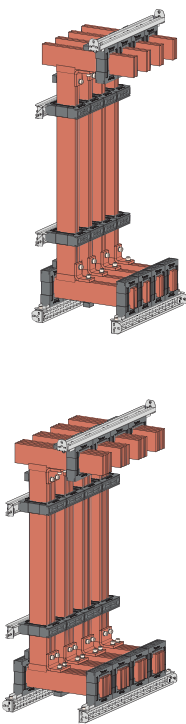
PDS
UPGRADE THE POWER

SELECTION CHARACTERISTICS



NO 1		NO 2			NO 3			NO 4		NO 5		NO 6		
Selection Code	Module Width (W)	Selection Code	Main Busbar (In)	Module Depth (D)	Selection Code	Secondry Busbar (In)	Module Depth (D)	Selection Code	Short Circuit Strength (Icw)	Selection Code	Earthing Configuration	Selection Code	Front Protection	Door Type
40	400	13	1350A	600	13	1350A	600	01	65kA	01	TN-S (1/1)	F	External	Fixed
		16	1620A		16	1620A		02	85kA	02	TN-S (1/2)			
		18	1860A		18	1860A				03	TN-C (PEN) (1/2)			
		23	2300A		23	2300A				04	TN-C-S (1/2)			
		25	2500A	25	2500A	05	TT (1/1)							
		30	3000A	30	3000A	06	TT (1/2)							
		34	3400A	34	3400A	07	IT							
		40	4000A	40	4000A									

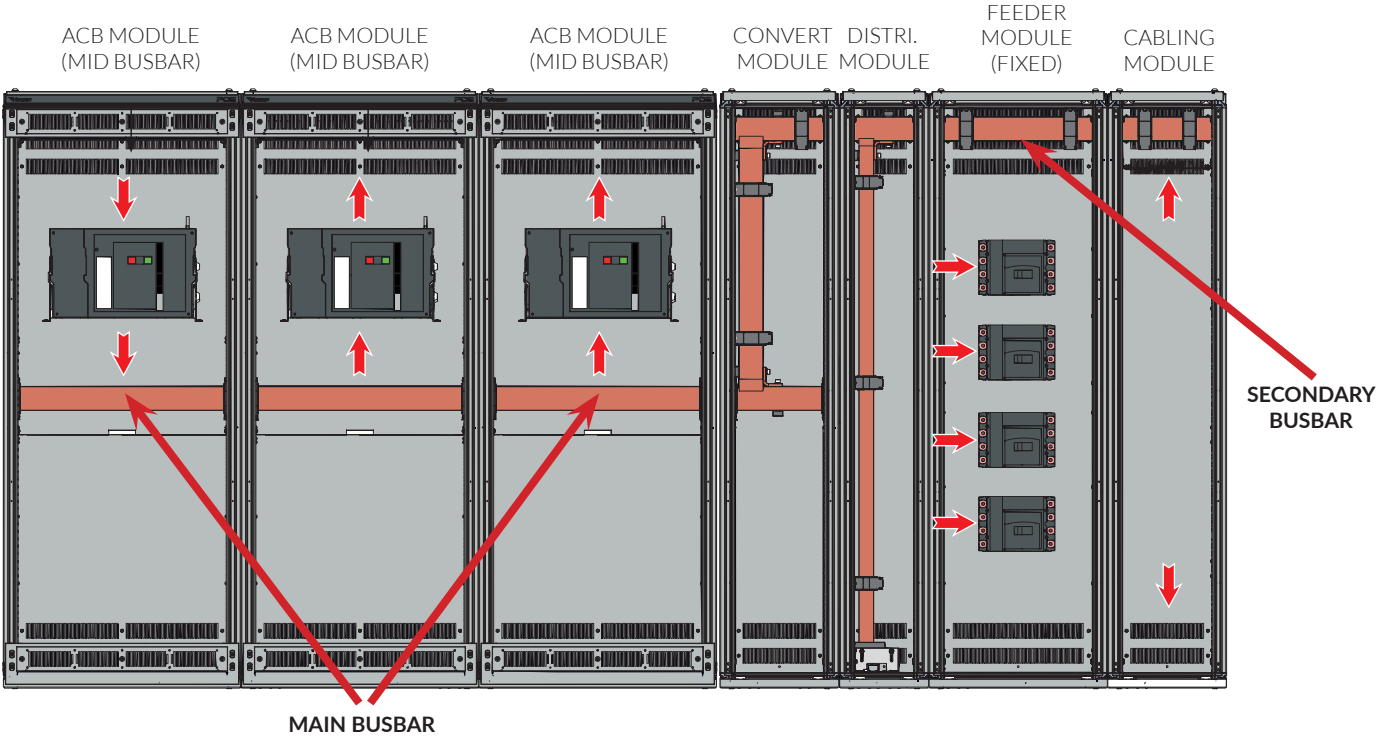
NO 1: MAIN BUSBAR



AMBIANCE TEMP : 25°C , HEATING TEMP : 30°C ,50 Hz A.C.				
Neutral Section	Rated Current (In)	Flat Copper Size (mm) x Qty		
		L1/L2/L3	Neutral(N)	PE
1/2 N	1350A	40/10x2	40/5x2	20/5x2
1/1 N	1350A	40/10x2	40/10x2	40/5x2
1/2 N	1620A	50/10x2	50/5x2	25/5x2
1/1 N	1620A	50/10x2	50/10x2	50/5x2
1/2 N	1860A	60/10x2	60/5x2	30/5x2
1/1 N	1860A	60/10x2	60/10x2	60/5x2
1/2 N	2300A	80/10x2	40/10x2	40/5x2
1/1 N	2300A	80/10x2	80/10x2	40/10x2

AMBIANCE TEMP : 25°C , HEATING TEMP : 30°C ,50 Hz A.C.				
Neutral Section	Rated Current (In)	Flat Copper Size (mm) x Qty		
		L1/L2/L3	Neutral(N)	PE
1/2 N	2500A	40/10x4	40/10x2	40/5x2
1/1 N	2500A	40/10x4	40/10x4	40/10x2
1/2 N	3000A	50/10x4	50/10x2	50/5x2
1/1 N	3000A	50/10x4	50/10x4	50/10x2
1/2 N	3400A	60/10x4	60/10x2	60/5x2
1/1 N	3400A	60/10x4	60/10x4	60/10x2
1/2 N	4000A	80/10x4	80/10x2	40/10x2
1/1 N	4000A	80/10x4	80/10x4	80/10x2

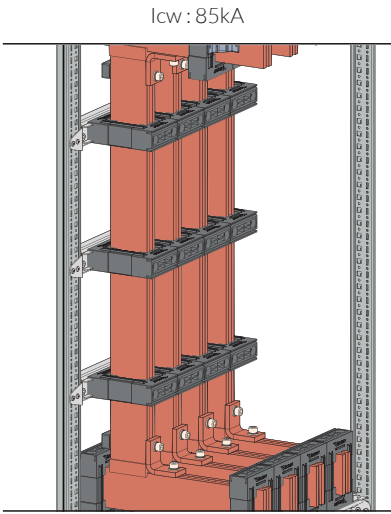
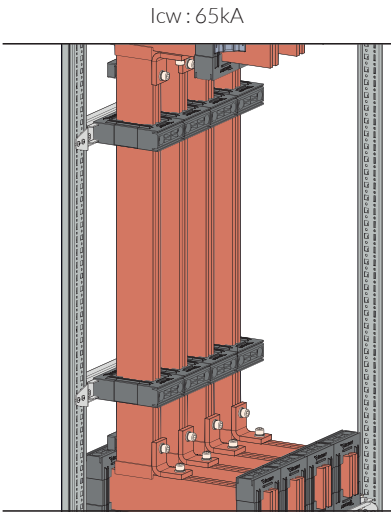
■ NO 2: SECONDARY BUSBAR



Module Depth	Main Busbar (In)	Secondary Busbar (In)
800	4000A	4000A, 3400A, 3000A, 2500A
	3400A	3400A, 3000A, 2500A
	3000A	3000A, 2500A
	2500A	2500A
600	2300A	2300A, 1860A, 1620A, 1350A
	1860A	1860A, 1620A, 1350A
	1620A	1620A, 1350A
	1350A	1350A

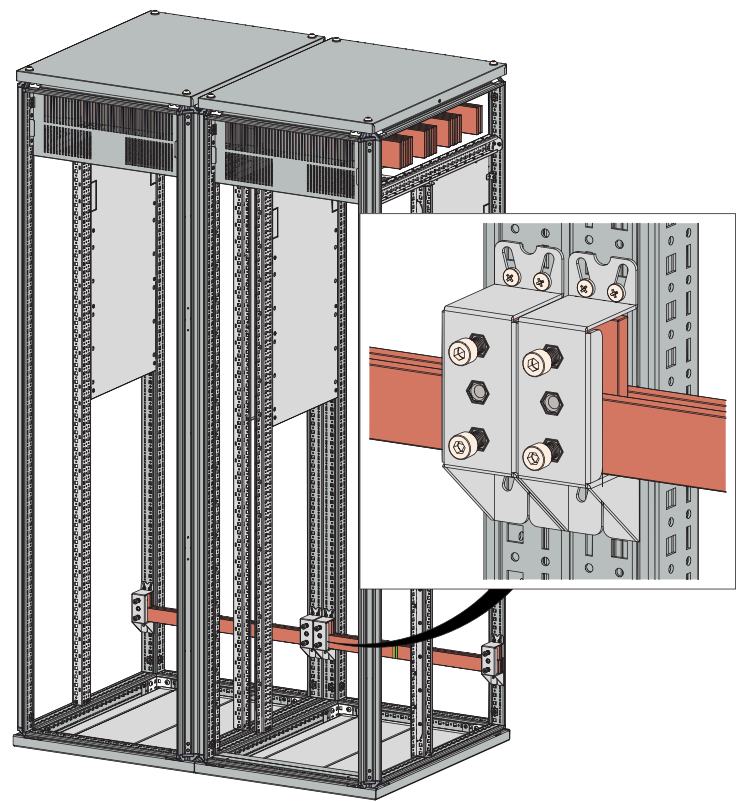
- Generally convert module uses for changing the position of busbar from top to middle or opposite. In both selections secondary power can be decreased.
- Secondary busbar power have to be equal or below than main busbar power. Main Busbar Power ≥ Secondary Busbar Power
- Secondary busbar have to be the same busbar section as main busbar. Main Busbar :
 - 4 flat bar --> Secondary 4 flat bar
 - 2 flat bar --> Secondary 2 flat bar
- Vertical busbar power and section which connects main busbar between secondary busbar is the same as secondary busbar.

■ NO 3: SHORT CIRCUIT STRENGTH

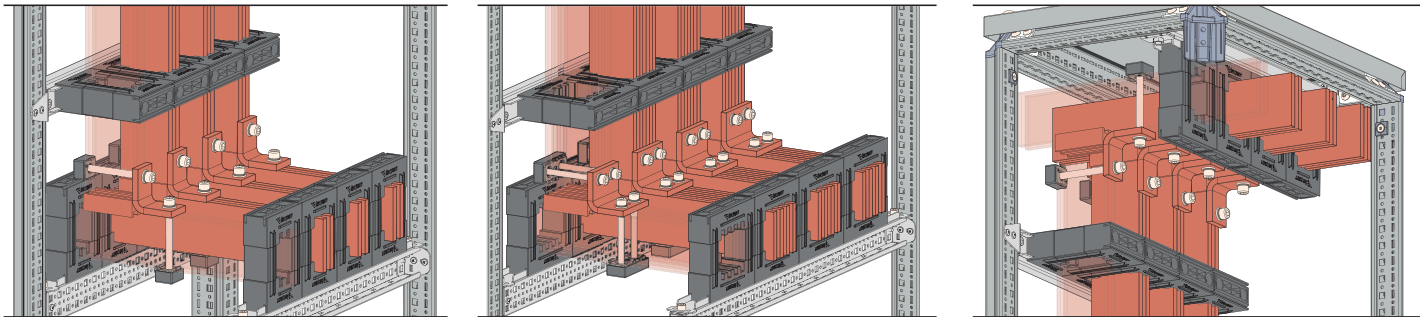


■ NO 4: EARTHING CONFIGURATION

Earthing Bar



■ BUSBAR CONNECTIONS



Selection Code	Power Supply Form (Size Scale of N)	Sections of Main Phases (L1/L2/L3) : 1		
		Main Busbar Size: A	Vertical Distribution Busbar Size: B	Cabling Module (Based from Vertical Busbar)
01	TN-S (1/1)	N(A/1) + PE(A/2)	L1+L2+L3+N(B/1)	PE(B/2)
02	TN-S (1/2)	N(A/2) + PE(A/4)	L1+L2+L3	N(B/2) + PE(B/4)
03	TN-C (PEN) (1/2)	PEN(A/2) + PE	L1+L2+L3	PEN(B/2)
04	TN-C-S (1/2)	PEN(A/2) + PE(A/4)	L1+L2+L3	(TN-C : PEN(B/2)) + (TN-S:N(B/2) + PE(B/4))
05	TT (1/1)	N(A/1) + PE	L1+L2+L3+N(B/1)	NONE
06	TT (1/2)	N(A/2) + PE	L1+L2+L3	N(B/2)
07	IT	PE(A/4)	L1+L2+L3	PE(B/4)

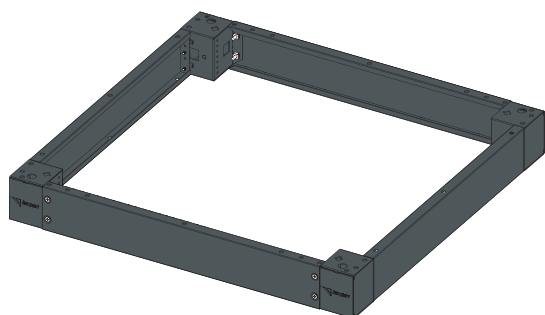
N: Neutral PE: Earthing PEN: N+PE

! Note : See for more details about power supply forms: Section C, Item 3. Equipotentiality and electrical continuity

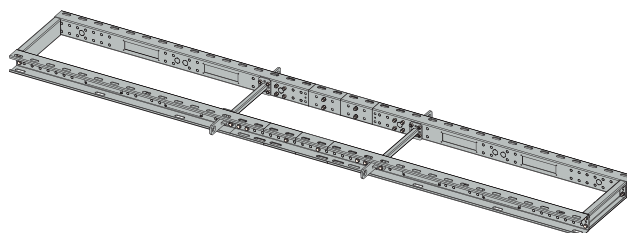
OPTIONAL PARTS

PLINTH / BASE

Modular Plinth



Extendable Block Plinth



- Two options in height: 100mm or 200mm
- For transportation of switchboard, top hooks must to use.

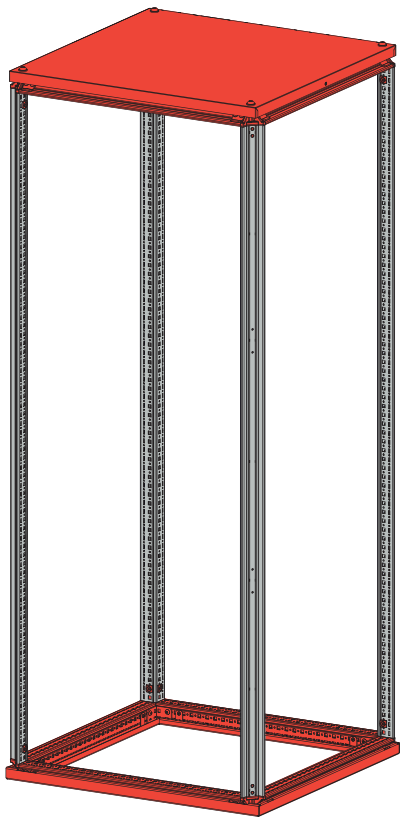
- Only option in height : 100mm
- Modules can fix directly on it. Means it is also joining part for modules
- Thanks to hooks on it, it can be use as a transportation part for the group of switchboard.
- In tight ceiling situations, it can be move with roll bars.

● **Plinths are optional products.** They are not included configurations. Must be select additionally. Check the selection guide.



1.MAIN FRAME

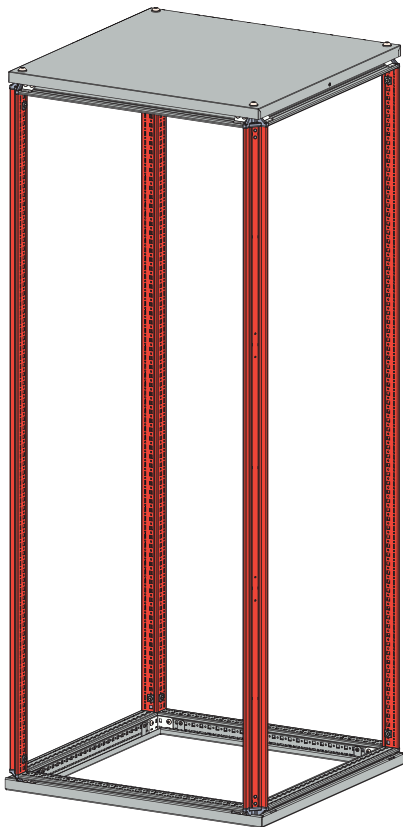
1.1 TOP&BOTTOM GROUP



WIDTH(W)	DEPTH(D)	REF. NO.	REQUIRED QTY. (set)	
400	600	1001.462	1	1350A~2300A
400	800	1001.482	1	2500A~4000A

● Package includes **1x Upper Frame, 1x Bottom Frame, Assembly Parts.**

1.2 VERTICAL FRAME GROUP

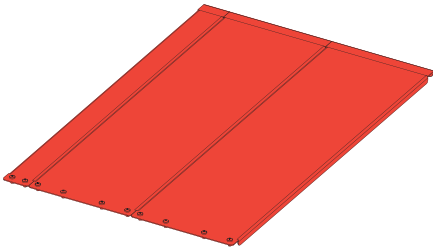
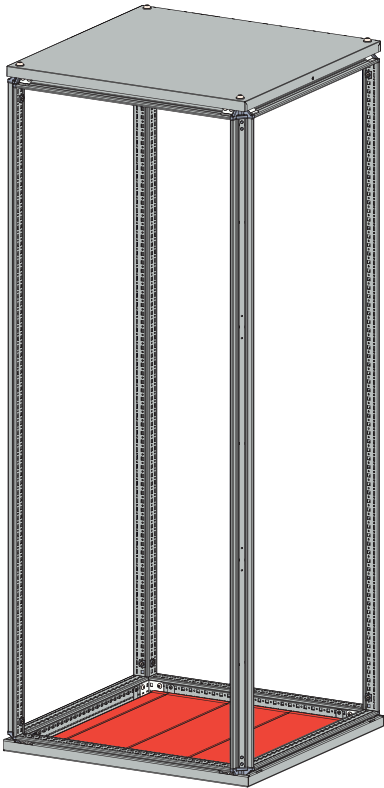


HEIGHT(H)	REF. NO.	REQUIRED QTY. (set)
2000	702.200	1

● Package includes **1 Set=4 pcs. Vertical Profile.**



■ 1.3 BLANK GLAND PLATE



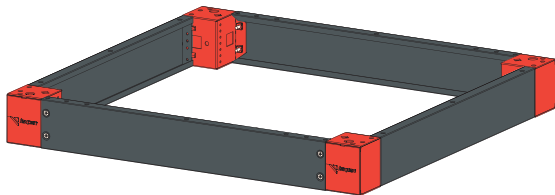
WIDTH(W)	DEPTH(D)	REF. NO.	REQUIRED QTY. (set)
400	600	1005.146	1
400	800	1005.148	1

● Package includes 1 Set=3/4 pcs. Gland Plates related with Width.



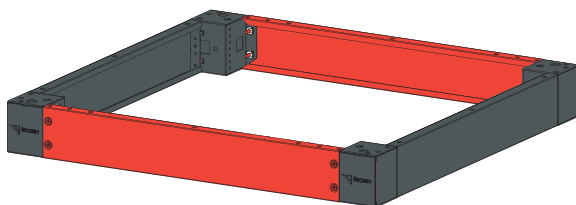
■ 1.4 PLINTH/BASE

■ 1.4.1 MODULAR PLINTH/BASE



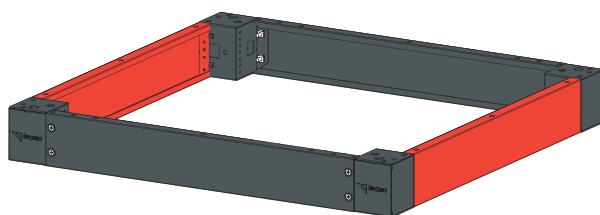
HEIGHT(H)	REF. NO.	REQUIRED QTY. (set)
100	708.100	1
200	708.200	1

- Package includes **1 Set=4 pcs. 100mm/200mm Height Plinth Corner, 4 pcs. Plastic Cover.**



WIDHT(W)	REF. NO.	REQUIRED QTY. (set)
400	709.140	1

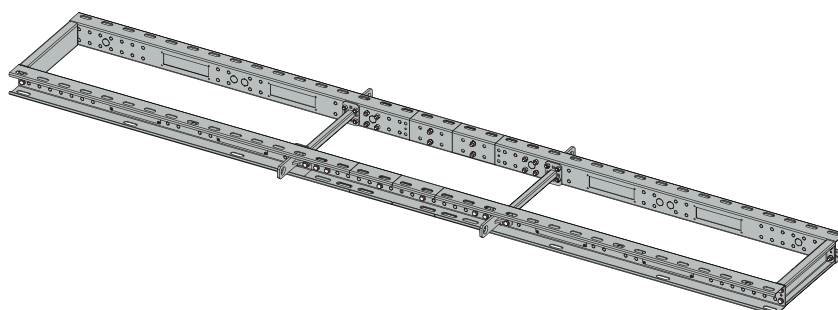
- Package includes **1 Set=2 pcs. 100mm Height Front Cover.**
- **2 Set (4 Pieces)** needed for 200H Plinth.



DEPTH(	REF. NO.	REQUIRED QTY. (set)
600	710.160	1
800	710.180	1

- Package includes **1 Set=2 pcs. 100mm Height Side Cover.**
- **2 Set (4 Pieces)** needed for 200H Plinth.

■ 1.4.2 EXTENDABLE PLINTH/BASE

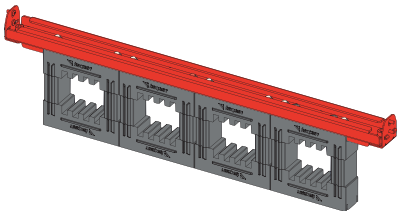
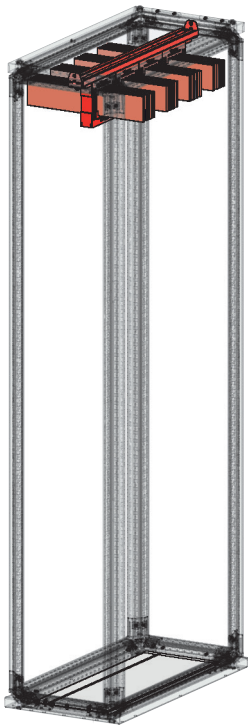


- **Extendable Plinth / Base** should be selected for buying group sections. Check page 6 at A4 Accessories Guide.



2.BUSBAR

2.1 BUSBAR RAIL KIT (TOP)

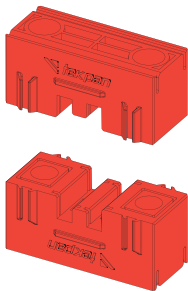
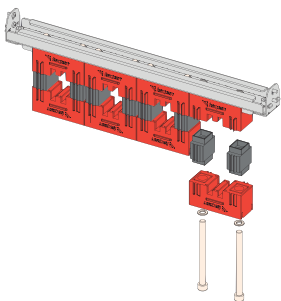


WIDTH (W)	DEPTH(D)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
400	600	1010.160	2 pcs.	1	65 kA/85 kA
400	800	1010.180	2 pcs.	1	

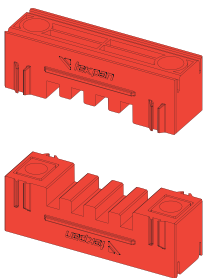
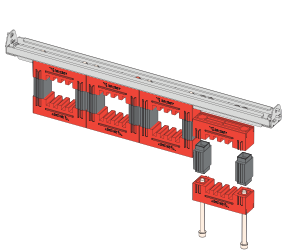
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

2.2 BUSBAR HOLDERS

2.2.1 MAIN HOLDER (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.012	6 pcs.	6	65 kA/85 kA
1860	1009.012	6 pcs.	6	
1620	1009.012	6 pcs.	6	
1350	1009.012	6 pcs.	6	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.011	6 pcs.	6	65 kA/85 kA
3400	1009.011	6 pcs.	6	
3000	1009.011	6 pcs.	6	
2500	1009.011	6 pcs.	6	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

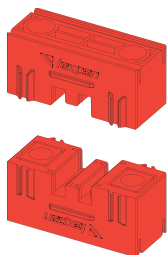
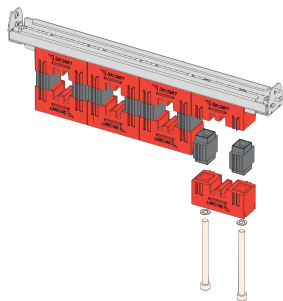
For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.021	48 pcs.
2 Flat Bar	1009.022	48 pcs.

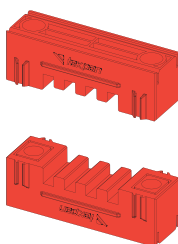
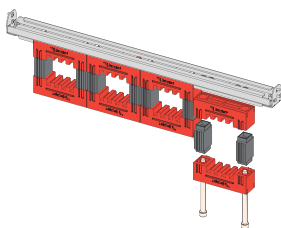


■ 2.2.2 MAIN HOLDERS (NEUTRAL)

■ 2.2.2.1 MAIN HOLDER (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	2	65 kA/85 kA
1860	1009.002	2 pcs.	2	
1620	1009.002	2 pcs.	2	
1350	1009.002	2 pcs.	2	



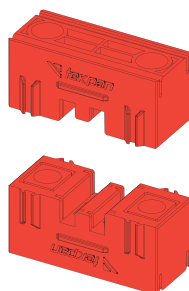
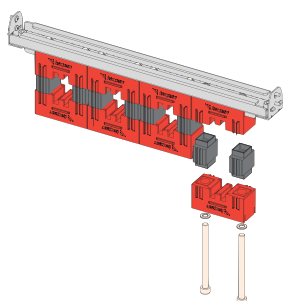
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.001	2 pcs.	2	65 kA/85 kA
3400	1009.001	2 pcs.	2	
3000	1009.001	2 pcs.	2	
2500	1009.001	2 pcs.	2	

For Multiple Order:

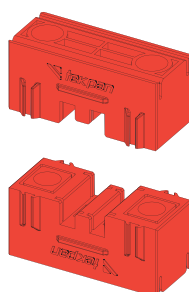
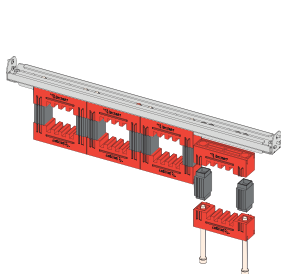
INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.011	6 pcs.
	1009.021	48 pcs.
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

■ 2.2.2.2 MAIN HOLDER (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	2	65 kA/85 kA
1860	1009.002	2 pcs.	2	
1620	1009.002	2 pcs.	2	
1350	1009.002	2 pcs.	2	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.002	2 pcs.	2	65 kA/85 kA
3400	1009.002	2 pcs.	2	
3000	1009.002	2 pcs.	2	
2500	1009.002	2 pcs.	2	

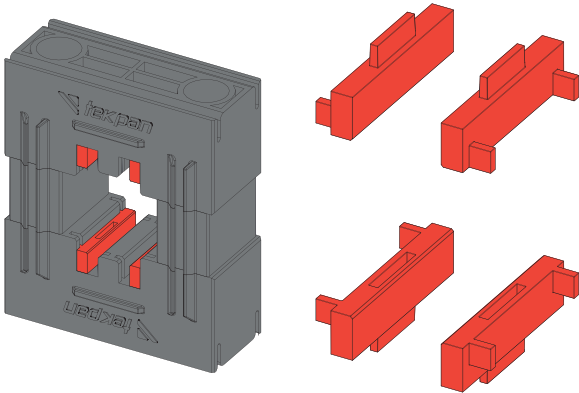
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.



2.2.3 MAIN HOLDER ADAPTER (NEUTRAL)



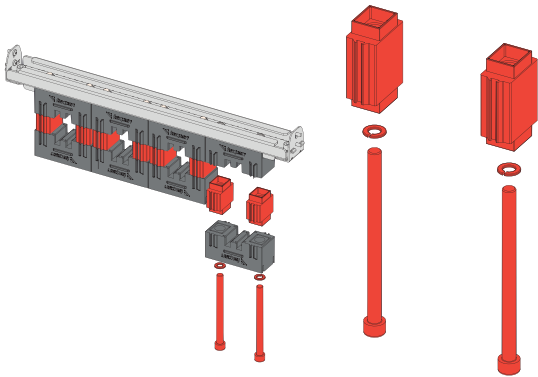
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
1860	1019.001	4 pcs.	4	65 kA/85kA
1620	1019.001	4 pcs.	4	
1350	1019.001	4 pcs.	4	

For Multiple Order:

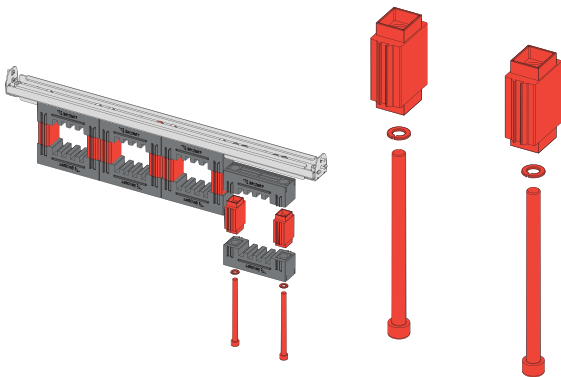
REF. NO.	PACKAGE QTY. (pcs.)
1019.011	24 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

2.2.4 HOLDER HEIGHTS (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.108	6 pcs.	6	65 kA/85 kA
1860	1011.106	6 pcs.	6	
1620	1011.105	6 pcs.	6	
1350	1011.104	6 pcs.	6	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.108	6 pcs.	6	65 kA/85 kA
3400	1011.106	6 pcs.	6	
3000	1011.105	6 pcs.	6	
2500	1011.104	6 pcs.	6	

For Multiple Order:

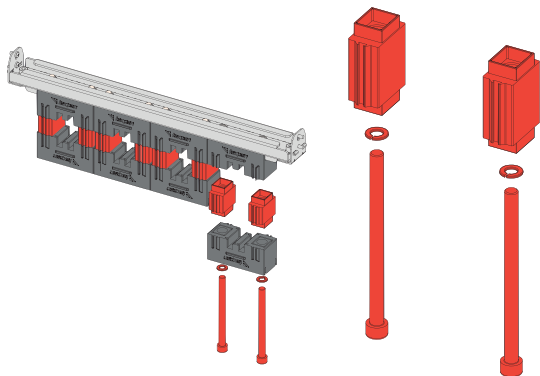
HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.204	48 pcs.
50H	1011.205	48 pcs.
60H	1011.206	48 pcs.
80H	1011.208	48 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.**Please check** your design/project for Icw value.

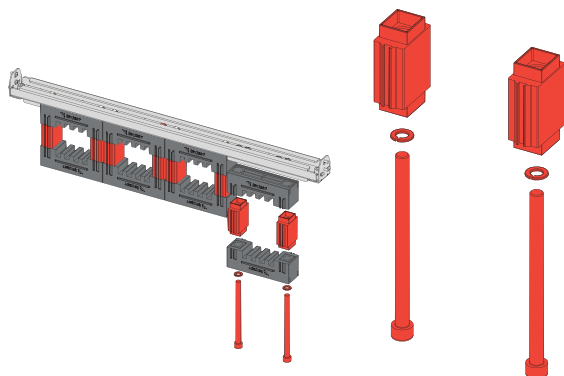


■ 2.2.5 HOLDER HEIGHTS (NEUTRAL)

■ 2.2.5.1 HOLDER HEIGHTS (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	I _{cw} (kA)
2300	1011.008	2 pcs.	2	65 kA/85 kA
1860	1011.006	2 pcs.	2	
1620	1011.005	2 pcs.	2	
1350	1011.004	2 pcs.	2	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	I _{cw} (kA)
4000	1011.008	2 pcs.	2	65 kA/85 kA
3400	1011.006	2 pcs.	2	
3000	1011.005	2 pcs.	2	
2500	1011.004	2 pcs.	2	

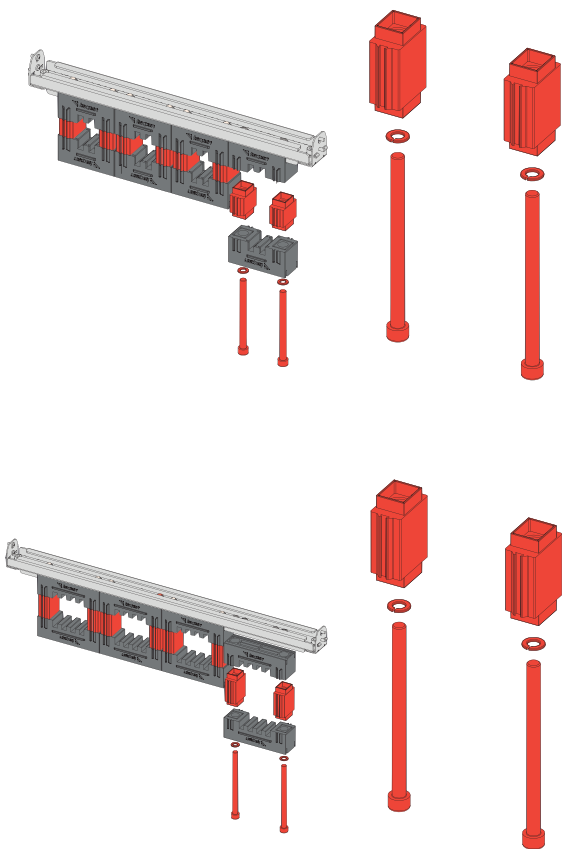
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for I_{cw} value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.



2.2.5.2 HOLDER HEIGHTS (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.004	2 pcs.	2	65 kA/85 kA
1860	1011.006	2 pcs.	2	
1620	1011.005	2 pcs.	2	
1350	1011.004	2 pcs.	2	

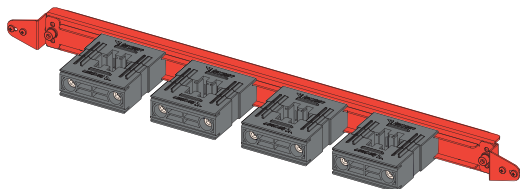
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.008	2 pcs.	2	65 kA/85 kA
3400	1011.006	2 pcs.	2	
3000	1011.005	2 pcs.	2	
2500	1011.004	2 pcs.	2	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.

■ 2.3 BUSBAR RAIL KIT (VERTICAL)



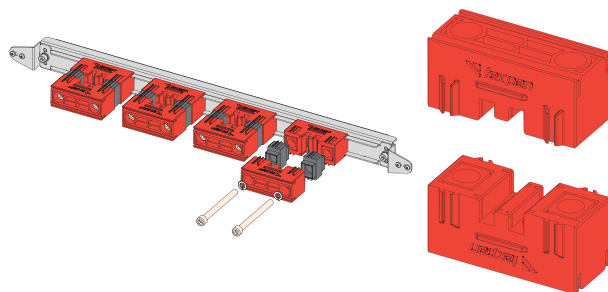
DEPTH(D)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
600	1010.360	2 pcs.	2	65 kA
800	1010.380	2 pcs.	2	
600	1010.360	2 pcs.	3	85 kA
800	1010.380	2 pcs.	3	

For Multiple Order:

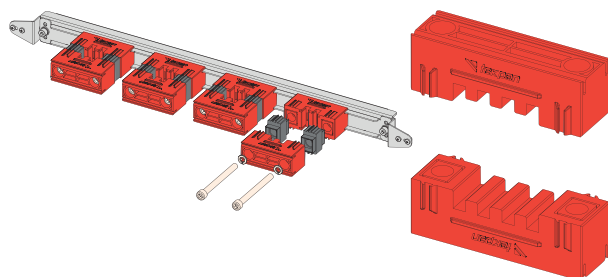
DEPTH(D)	REF. NO.	PACKAGE QTY. (pcs.)
600	1010.361	12 pcs.
800	1010.381	12 pcs.

■ 2.4 BUSBAR HOLDERS (VERTICAL)

■ 2.4.1 MAIN HOLDER (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.012	6 pcs.	12	65 kA
1860	1009.012	6 pcs.	12	
1620	1009.012	6 pcs.	12	
1350	1009.012	6 pcs.	12	
2300	1009.012	6 pcs.	18	85 kA
1860	1009.012	6 pcs.	18	
1620	1009.012	6 pcs.	18	
1350	1009.012	6 pcs.	18	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.011	6 pcs.	12	65 kA
3400	1009.011	6 pcs.	12	
3000	1009.011	6 pcs.	12	
2500	1009.011	6 pcs.	12	
4000	1009.011	6 pcs.	18	85 kA
3400	1009.011	6 pcs.	18	
3000	1009.011	6 pcs.	18	
2500	1009.011	6 pcs.	18	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

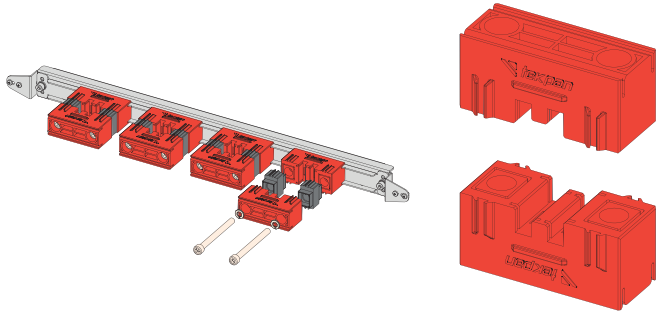
For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.021	48 pcs.
2 Flat Bar	1009.022	48 pcs.

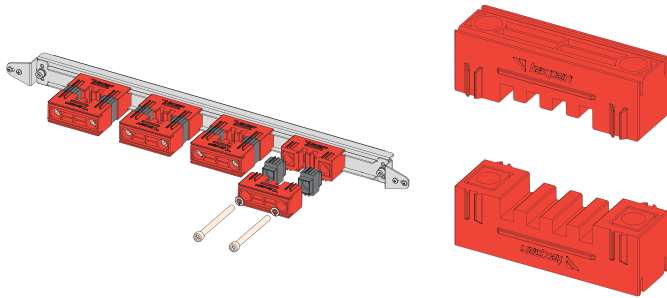


■ 2.4.2 MAIN HOLDERS (NEUTRAL)

■ 2.4.2.1 MAIN HOLDER (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	4	65 kA
1860	1009.002	2 pcs.	4	
1620	1009.002	2 pcs.	4	
1350	1009.002	2 pcs.	4	
2300	1009.002	2 pcs.	6	85 kA
1860	1009.002	2 pcs.	6	
1620	1009.002	2 pcs.	6	
1350	1009.002	2 pcs.	6	



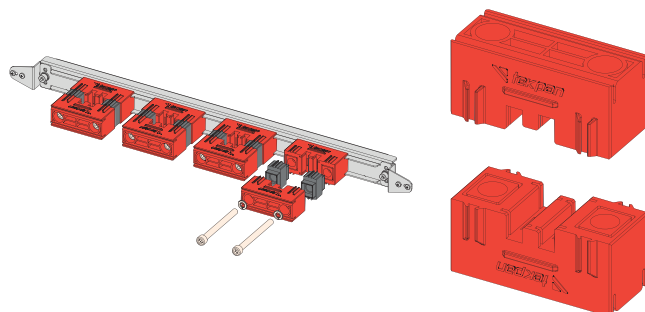
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.001	2 pcs.	4	65 kA
3400	1009.001	2 pcs.	4	
3000	1009.001	2 pcs.	4	
2500	1009.001	2 pcs.	4	
4000	1009.001	2 pcs.	6	85 kA
3400	1009.001	2 pcs.	6	
3000	1009.001	2 pcs.	6	
2500	1009.001	2 pcs.	6	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

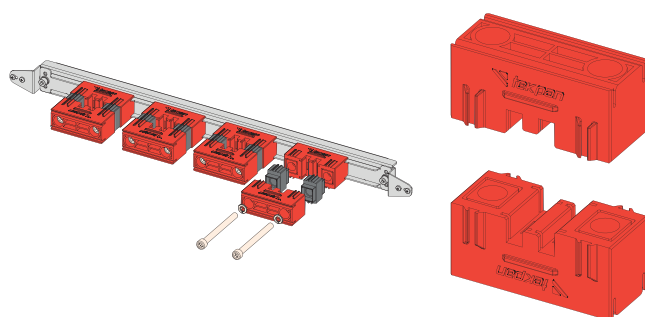
For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.011	6 pcs.
	1009.021	48 pcs.
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.

■ 2.4.2.2 MAIN HOLDER (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	4	65 kA
1860	1009.002	2 pcs.	4	
1620	1009.002	2 pcs.	4	
1350	1009.002	2 pcs.	4	
2300	1009.002	2 pcs.	6	85 kA
1860	1009.002	2 pcs.	6	
1620	1009.002	2 pcs.	6	
1350	1009.002	2 pcs.	6	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.002	2 pcs.	4	65 kA
3400	1009.002	2 pcs.	4	
3000	1009.002	2 pcs.	4	
2500	1009.002	2 pcs.	4	
4000	1009.002	2 pcs.	6	85 kA
3400	1009.002	2 pcs.	6	
3000	1009.002	2 pcs.	6	
2500	1009.002	2 pcs.	6	

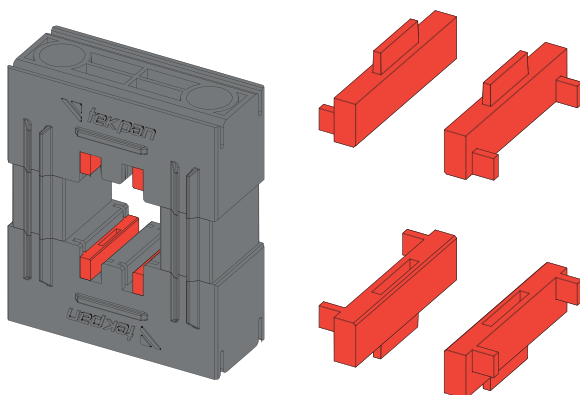
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.



2.4.3 MAIN HOLDER ADAPTER (NEUTRAL)



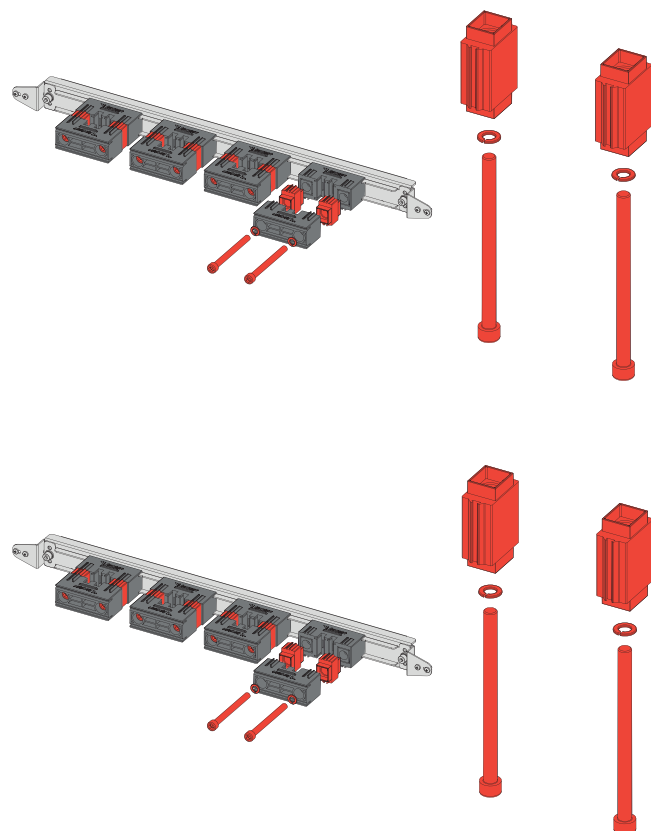
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
1860	1019.001	4 pcs.	8	65 kA
1620	1019.001	4 pcs.	8	
1350	1019.001	4 pcs.	8	
1860	1019.001	4 pcs.	12	85 kA
1620	1019.001	4 pcs.	12	
1350	1019.001	4 pcs.	12	

For Multiple Order:

REF. NO.	PACKAGE QTY. (pcs.)
1019.011	24 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- Please check** your design/project for Icw value.
- TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

2.4.4 HOLDER HEIGHTS (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.108	6 pcs.	12	65 kA
1860	1011.106	6 pcs.	12	
1620	1011.105	6 pcs.	12	
1350	1011.104	6 pcs.	12	
2300	1011.108	6 pcs.	18	85 kA
1860	1011.106	6 pcs.	18	
1620	1011.105	6 pcs.	18	
1350	1011.104	6 pcs.	18	

BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.108	6 pcs.	12	65 kA
3400	1011.106	6 pcs.	12	
3000	1011.105	6 pcs.	12	
2500	1011.104	6 pcs.	12	
4000	1011.108	6 pcs.	18	85 kA
3400	1011.106	6 pcs.	18	
3000	1011.105	6 pcs.	18	
2500	1011.104	6 pcs.	18	

For Multiple Order:

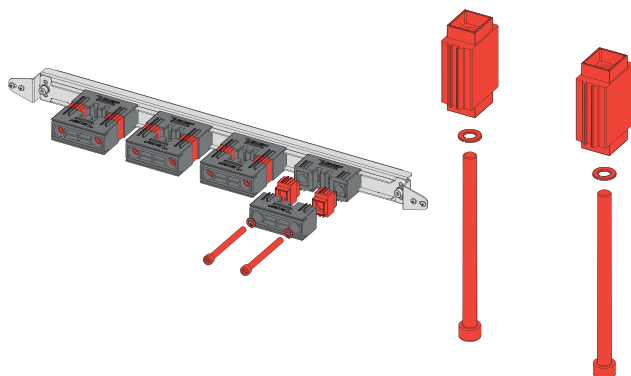
HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.204	48 pcs.
50H	1011.205	48 pcs.
60H	1011.206	48 pcs.
80H	1011.208	48 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- Please check** your design/project for Icw value.

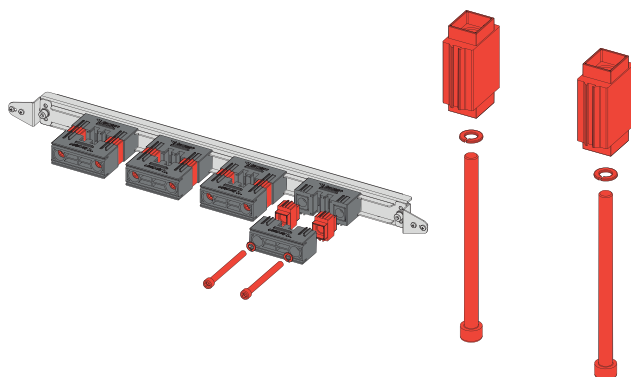


■ 2.4.5 HOLDER HEIGHTS (NEUTRAL)

■ 2.4.5.1 HOLDER HEIGHTS (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.008	2 pcs.	4	65 kA
1860	1011.006	2 pcs.	4	
1620	1011.005	2 pcs.	4	
1350	1011.004	2 pcs.	4	
2300	1011.008	2 pcs.	6	85 kA
1860	1011.006	2 pcs.	6	
1620	1011.005	2 pcs.	6	
1350	1011.004	2 pcs.	6	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.008	2 pcs.	4	65 kA
3400	1011.006	2 pcs.	4	
3000	1011.005	2 pcs.	4	
2500	1011.004	2 pcs.	4	
4000	1011.008	2 pcs.	6	85 kA
3400	1011.006	2 pcs.	6	
3000	1011.005	2 pcs.	6	
2500	1011.004	2 pcs.	6	

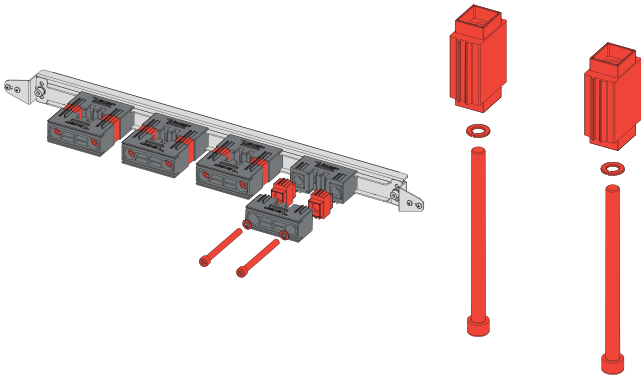
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

For Multiple Order:

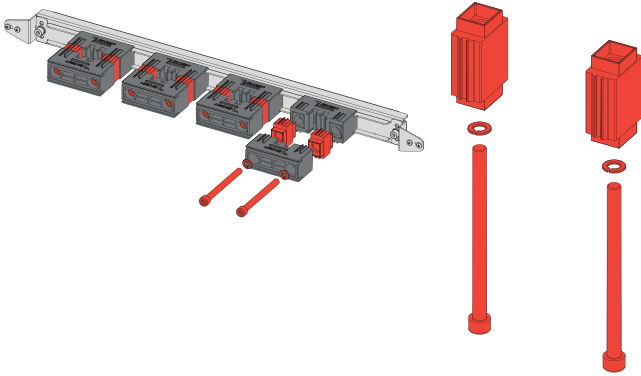
INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.



■ 2.4.5.2 HOLDER HEIGHTS (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.004	2 pcs.	4	65 kA
1860	1011.006	2 pcs.	4	
1620	1011.005	2 pcs.	4	
1350	1011.004	2 pcs.	4	
2300	1011.004	2 pcs.	6	85 kA
1860	1011.006	2 pcs.	6	
1620	1011.005	2 pcs.	6	
1350	1011.004	2 pcs.	6	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.008	2 pcs.	4	65 kA
3400	1011.006	2 pcs.	4	
3000	1011.005	2 pcs.	4	
2500	1011.004	2 pcs.	4	
4000	1011.008	2 pcs.	6	85 kA
3400	1011.006	2 pcs.	6	
3000	1011.005	2 pcs.	6	
2500	1011.004	2 pcs.	6	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

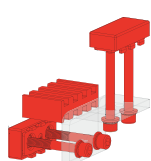
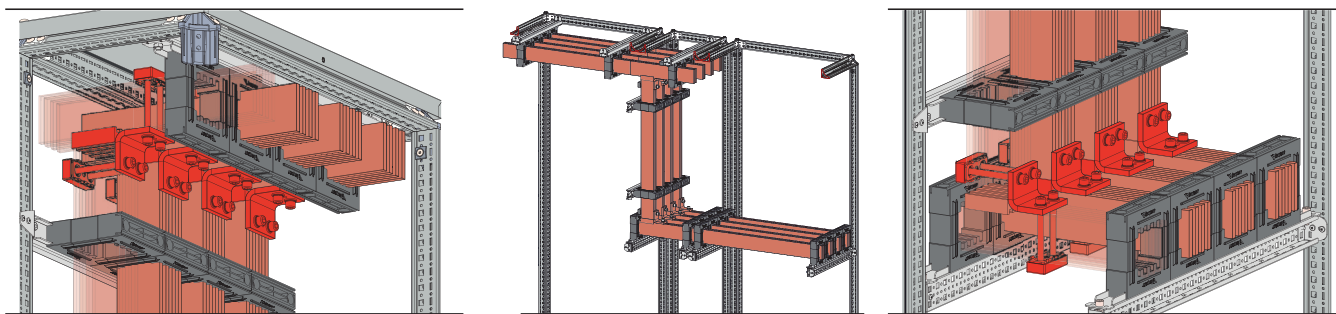
For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.

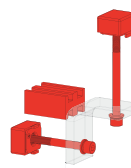


■ 2.4.6 VERTICAL BUSBAR 90° CONNECTIONS

■ 2.4.6.1 VERTICAL BUSBAR CONNECTION (L1,L2,L3)



For 4x10mm to 4x10mm



For 2x10mm to 2x10mm

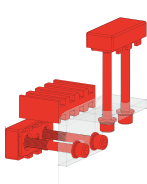
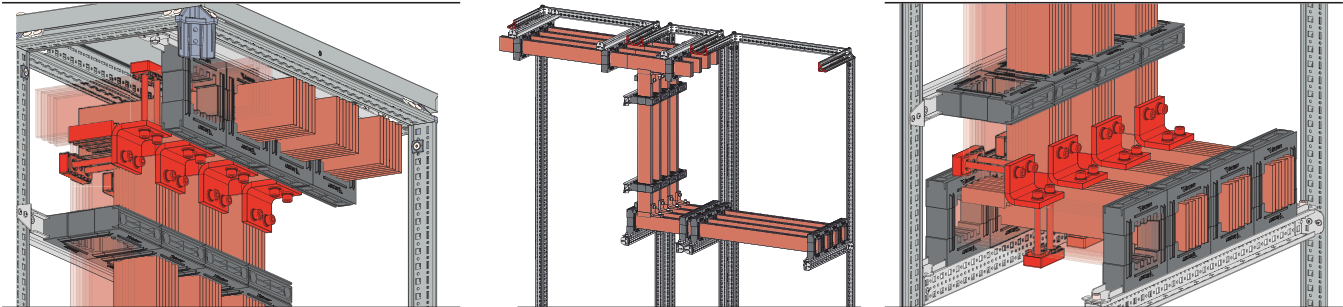
	MAIN BUSBAR (A)	CONVERT BUSBAR (A)	FIRST CONNECTION POINT			SECOND CONNECTION POINT		
			REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)	REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)
800D	4000	4000	1021.4040	1 set	3	1021.4040	1 set	3
	4000	3400	1021.4034	1 set	3	1021.3434	1 set	3
	4000	3000	1021.4030	1 set	3	1021.3030	1 set	3
	4000	2500	1021.4025	1 set	3	1021.2525	1 set	3
	3400	3400	1021.3434	1 set	3	1021.3434	1 set	3
	3400	3000	1021.3430	1 set	3	1021.3030	1 set	3
	3400	2500	1021.3425	1 set	3	1021.2525	1 set	3
	3000	3000	1021.3030	1 set	3	1021.3030	1 set	3
	3000	2500	1021.3025	1 set	3	1021.2525	1 set	3
	2500	2500	1021.2525	1 set	3	1021.2525	1 set	3
600D	2300	2300	1021.2323	1 set	3	1021.2323	1 set	3
	2300	1860	1021.2318	1 set	3	1021.1818	1 set	3
	2300	1620	1021.2316	1 set	3	1021.1616	1 set	3
	2300	1350	1021.2313	1 set	3	1021.1313	1 set	3
	1860	1860	1021.1818	1 set	3	1021.1818	1 set	3
	1860	1620	1021.1816	1 set	3	1021.1616	1 set	3
	1860	1350	1021.1813	1 set	3	1021.1313	1 set	3
	1620	1620	1021.1616	1 set	3	1021.1616	1 set	3
	1620	1350	1021.1613	1 set	3	1021.1313	1 set	3
	1350	1350	1021.1313	1 set	3	1021.1313	1 set	3

- Package includes **1 pcs. Copper Adapter, 2 pcs. Flex Connect Part(M8 for 600D/M10 for 800D), Assembly Parts.**

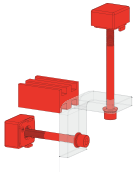
- **Please check** your design/project for l_{cw} value.

2.4.6 VERTICAL BUSBAR 90 CONNECTIONS

2.4.6.2 VERTICAL BUSBAR CONNECTION (NEUTRAL 1/1 SECTION)



For 4x10mm to 4x10mm



For 2x10mm to 2x10mm

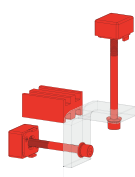
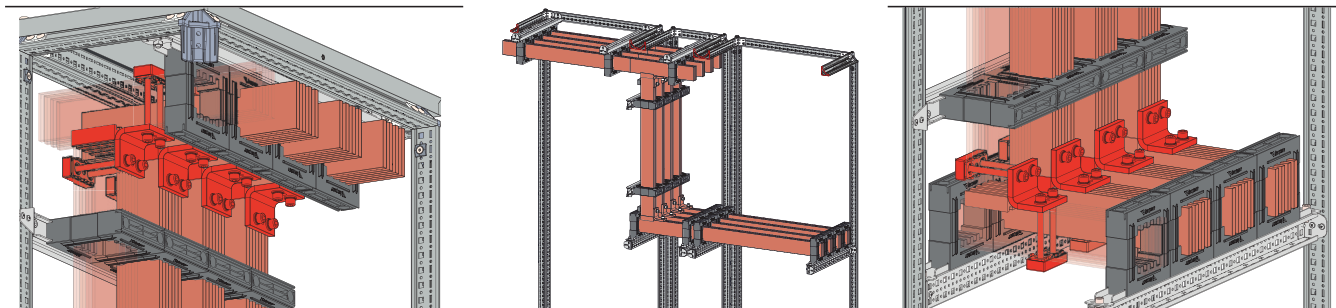
	MAIN BUSBAR (A)	CONVERT BUSBAR (A)	FIRST CONNECTION POINT			SECOND CONNECTION POINT		
			REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)	REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)
800D	4000	4000	1021.4040	1 set	1	1021.4040	1 set	1
	4000	3400	1021.4034	1 set	1	1021.3434	1 set	1
	4000	3000	1021.4030	1 set	1	1021.3030	1 set	1
	4000	2500	1021.4025	1 set	1	1021.2525	1 set	1
	3400	3400	1021.3434	1 set	1	1021.3434	1 set	1
	3400	3000	1021.3430	1 set	1	1021.3030	1 set	1
	3400	2500	1021.3425	1 set	1	1021.2525	1 set	1
	3000	3000	1021.3030	1 set	1	1021.3030	1 set	1
	3000	2500	1021.3025	1 set	1	1021.2525	1 set	1
	2500	2500	1021.2525	1 set	1	1021.2525	1 set	1
600D	2300	2300	1021.2323	1 set	1	1021.2323	1 set	1
	2300	1860	1021.2318	1 set	1	1021.1818	1 set	1
	2300	1620	1021.2316	1 set	1	1021.1616	1 set	1
	2300	1350	1021.2313	1 set	1	1021.1313	1 set	1
	1860	1860	1021.1818	1 set	1	1021.1818	1 set	1
	1860	1620	1021.1816	1 set	1	1021.1616	1 set	1
	1860	1350	1021.1813	1 set	1	1021.1313	1 set	1
	1620	1620	1021.1616	1 set	1	1021.1616	1 set	1
	1620	1350	1021.1613	1 set	1	1021.1313	1 set	1
	1350	1350	1021.1313	1 set	1	1021.1313	1 set	1

- Package includes **1 pcs. Copper or Aluminium Adapter**, **2 pcs. Flex Connect Part (M8 for 600D/M10 for 800D)**, Assembly Parts.
- Please check** your design/project for l_{cu} value.
- TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

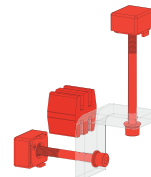


■ 2.4.6 VERTICAL BUSBAR 90 CONNECTIONS

■ 2.4.6.3 VERTICAL BUSBAR CONNECTION (NEUTRAL 1/2 SECTION)



For 2x10mm to 2x10mm



For 2x5mm to 2x5mm

	MAIN BUSBAR (A)	CONVERT BUSBAR (A)	FIRST CONNECTION POINT			SECOND CONNECTION POINT		
			REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)	REF. NO.	PACKAGE QTY. (set)	REQUIRED QTY. (set)
800D	4000	4000	1022.4040	1 set	1	1022.4040	1 set	1
	4000	3400	1022.4034	1 set	1	1022.3434	1 set	1
	4000	3000	1022.4030	1 set	1	1022.3030	1 set	1
	4000	2500	1022.4025	1 set	1	1022.2525	1 set	1
	3400	3400	1022.3434	1 set	1	1022.3434	1 set	1
	3400	3000	1022.3430	1 set	1	1022.3030	1 set	1
	3400	2500	1022.3425	1 set	1	1022.2525	1 set	1
	3000	3000	1022.3030	1 set	1	1022.3030	1 set	1
	3000	2500	1022.3025	1 set	1	1022.2525	1 set	1
	2500	2500	1022.2525	1 set	1	1022.2525	1 set	1
600D	2300	2300	1022.2323	1 set	1	1022.2323	1 set	1
	2300	1860	1022.2318	1 set	1	1022.1818	1 set	1
	2300	1620	1022.2316	1 set	1	1022.1616	1 set	1
	2300	1350	1022.2313	1 set	1	1022.1313	1 set	1
	1860	1860	1022.1818	1 set	1	1022.1818	1 set	1
	1860	1620	1022.1816	1 set	1	1022.1616	1 set	1
	1860	1350	1022.1813	1 set	1	1022.1313	1 set	1
	1620	1620	1022.1616	1 set	1	1022.1616	1 set	1
	1620	1350	1022.1613	1 set	1	1022.1313	1 set	1
	1350	1350	1022.1313	1 set	1	1022.1313	1 set	1

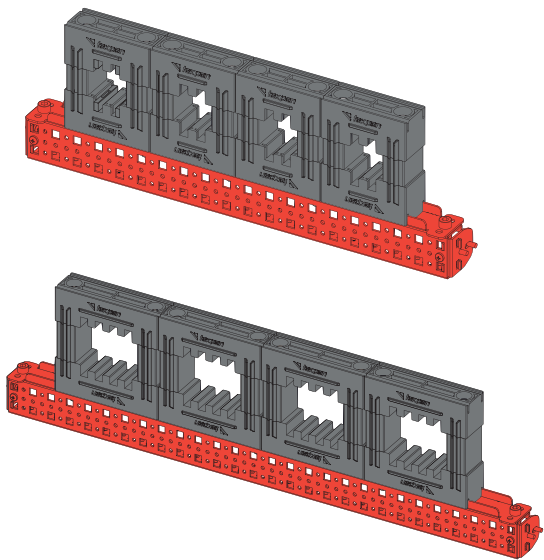
● Package includes **1 pcs. Copper or Aluminium Adapter, 2 pcs. Flex Connect Part(M8 for 600D/800D), Assembly Parts.**

● **Please check your design/project** for I_{cu} value.

● **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.



2.5 BUSBAR RAIL KIT (MID)



DEPTH(D)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
600	1010.260	2 pcs.	2	65 kA/85kA
800	1010.280	2 pcs.	2	

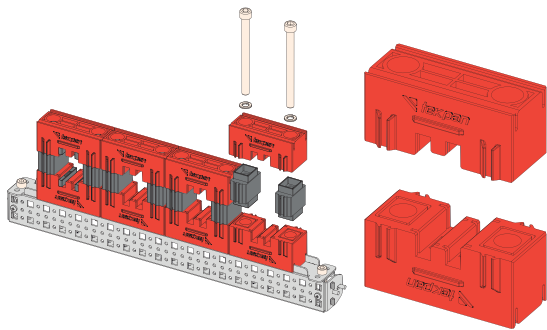
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

For Multiple Order:

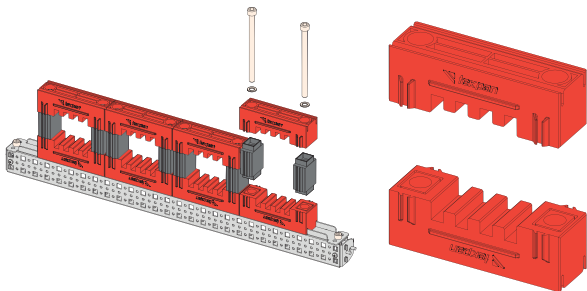
DEPTH(D)	REF. NO.	PACKAGE QTY. (pcs.)
600	1010.261	12 pcs.
800	1010.281	12 pcs.

2.6 BUSBAR HOLDERS (MID)

2.6.1 MAIN HOLDER (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.012	6 pcs.	12	65 kA/85 kA
1860	1009.012	6 pcs.	12	
1620	1009.012	6 pcs.	12	
1350	1009.012	6 pcs.	12	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.011	6 pcs.	12	65 kA/85 kA
3400	1009.011	6 pcs.	12	
3000	1009.011	6 pcs.	12	
2500	1009.011	6 pcs.	12	

For Multiple Order:

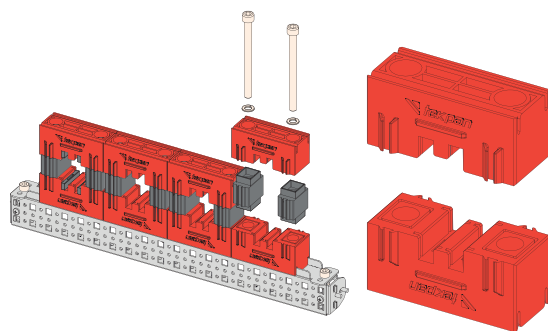
INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.021	48 pcs.
2 Flat Bar	1009.022	48 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

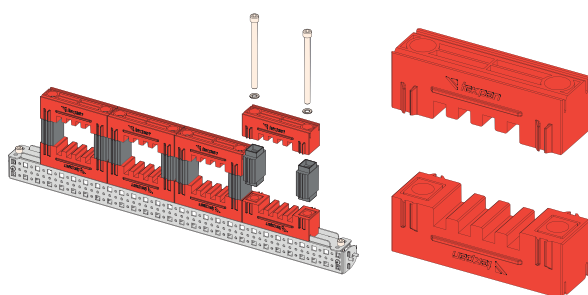


■ 2.6.2 MAIN HOLDERS (NEUTRAL)

■ 2.6.2.1 MAIN HOLDER (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	4	65 kA/85 kA
1860	1009.002	2 pcs.	4	
1620	1009.002	2 pcs.	4	
1350	1009.002	2 pcs.	4	



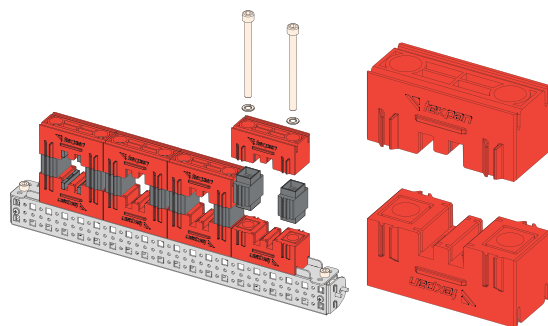
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.001	2 pcs.	4	65 kA/85 kA
3400	1009.001	2 pcs.	4	
3000	1009.001	2 pcs.	4	
2500	1009.001	2 pcs.	4	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

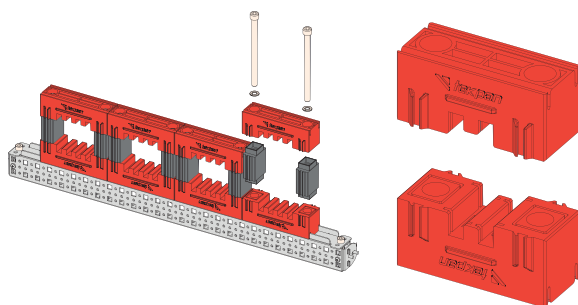
For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
4 Flat Bar	1009.011	6 pcs.
	1009.021	48 pcs.
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.

■ 2.6.2.2 MAIN HOLDER (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1009.002	2 pcs.	4	65 kA/85 kA
1860	1009.002	2 pcs.	4	
1620	1009.002	2 pcs.	4	
1350	1009.002	2 pcs.	4	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1009.002	2 pcs.	4	65 kA/85 kA
3400	1009.002	2 pcs.	4	
3000	1009.002	2 pcs.	4	
2500	1009.002	2 pcs.	4	

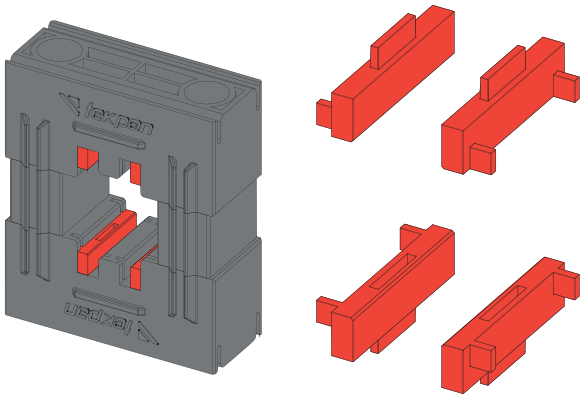
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
2 Flat Bar	1009.012	6 pcs.
	1009.022	48 pcs.



■ 2.6.3 MAIN HOLDER ADAPTER (NEUTRAL)



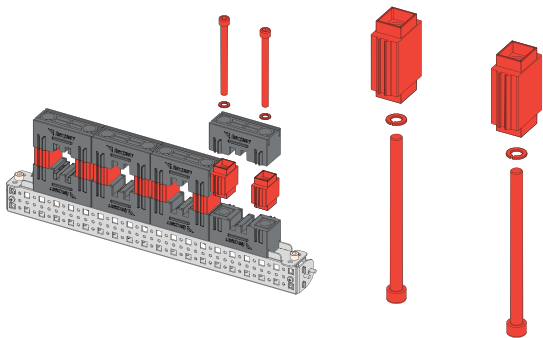
BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
1860	1019.001	4 pcs.	8	65 kA/85 kA
1620	1019.001	4 pcs.	8	
1350	1019.001	4 pcs.	8	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

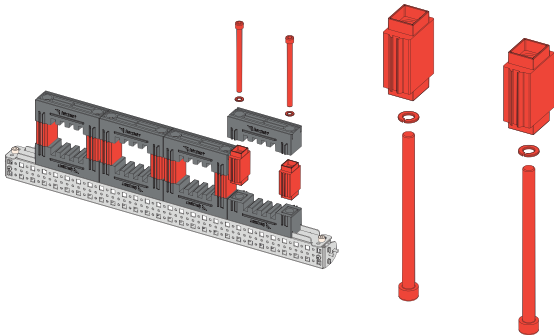
For Multiple Order:

REF. NO.	PACKAGE QTY. (pcs.)
1019.011	24 pcs.

■ 2.6.4 HOLDER HEIGHTS (L1, L2, L3)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.108	6 pcs.	12	65 kA/85 kA
1860	1011.106	6 pcs.	12	
1620	1011.105	6 pcs.	12	
1350	1011.104	6 pcs.	12	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.108	6 pcs.	12	65 kA/85 kA
3400	1011.106	6 pcs.	12	
3000	1011.105	6 pcs.	12	
2500	1011.104	6 pcs.	12	

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.

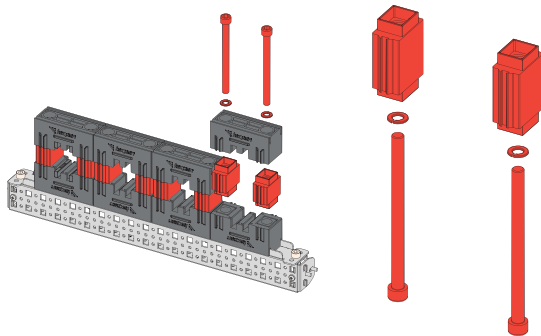
For Multiple Order:

HEIGHT(H)	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.204	48 pcs.
50H	1011.205	48 pcs.
60H	1011.206	48 pcs.
80H	1011.208	48 pcs.

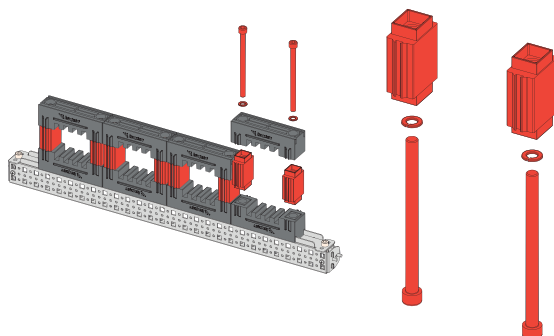


■ 2.6.5 HOLDER HEIGHTS (NEUTRAL)

■ 2.6.5.1 HOLDER HEIGHTS (NEUTRAL 1/1 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.008	2 pcs.	4	65 kA/85 kA
1860	1011.006	2 pcs.	4	
1620	1011.005	2 pcs.	4	
1350	1011.004	2 pcs.	4	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.008	2 pcs.	4	65 kA/85 kA
3400	1011.006	2 pcs.	4	
3000	1011.005	2 pcs.	4	
2500	1011.004	2 pcs.	4	

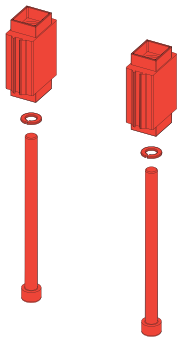
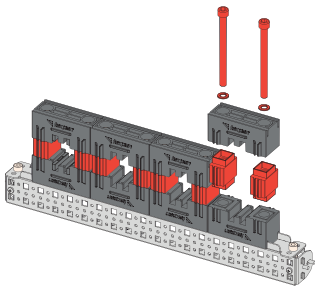
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/1), TT(1/1)** systems must be used **NEUTRAL (1/1)** section.

For Multiple Order:

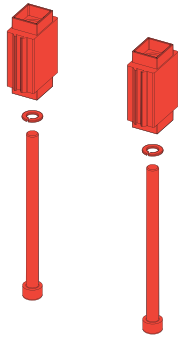
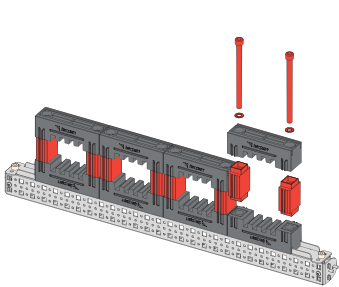
INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.



2.6.5.2 HOLDER HEIGHTS (NEUTRAL 1/2 SECTION)



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
2300	1011.004	2 pcs.	4	65 kA/85 kA
1860	1011.006	2 pcs.	4	
1620	1011.005	2 pcs.	4	
1350	1011.004	2 pcs.	4	



BUSBAR POWER(A)	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)	Icw (kA)
4000	1011.008	2 pcs.	4	65 kA/85 kA
3400	1011.006	2 pcs.	4	
3000	1011.005	2 pcs.	4	
2500	1011.004	2 pcs.	4	

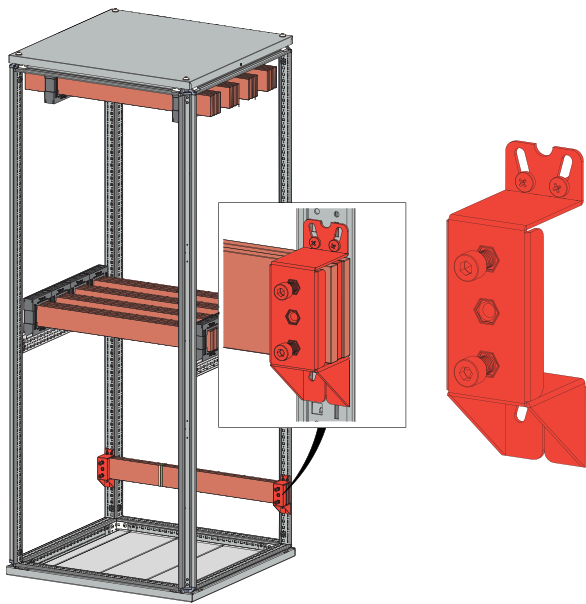
- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.
- **Please check** your design/project for Icw value.
- **TN-S(1/2), TN-C (PEN)(1/2), TN-C-S(1/2), TT(1/2)** systems must be used **NEUTRAL (1/2)** section.

For Multiple Order:

INFO	REF. NO.	PACKAGE QTY. (pcs.)
40H	1011.104	6 pcs.
	1011.204	48 pcs.
50H	1011.105	6 pcs.
	1011.205	48 pcs.
60H	1011.106	6 pcs.
	1011.206	48 pcs.
80H	1011.108	6 pcs.
	1011.208	48 pcs.



2.7 EARTHING KIT



BUSBAR POSITION	REF. NO.	PACKAGE QTY. (pcs.)	REQUIRED QTY. (pcs.)
CONVERT	1012.001	2 pcs.	2

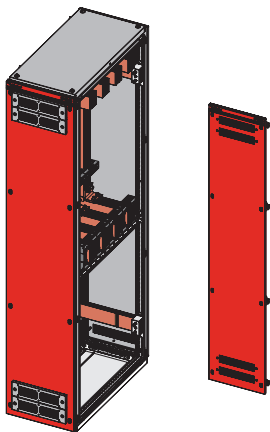
For Multiple Order:

REF. NO.	PACKAGE QTY. (pcs.)
1012.011	12 pcs.

- For **Ref.No quantity** = **Required Qty. / Package Qty.**
- If your required quantity is less than package quantity; please select the Reference no with suitable package quantity.

3. FRONT-REAR PANELS

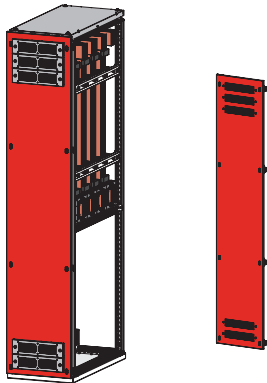
3.1 FRONT PANEL



WIDTH(W)	HEIGHT(H)	REF. NO.	REQUIRED QTY. (pcs.)
400	2000	1020.420	1

- Package includes **1 pcs. Ventilated Front Fixed Panel, Assembly Parts.**

3.2 REAR PANEL



WIDTH(W)	HEIGHT(H)	REF. NO.	REQUIRED QTY. (pcs.)
400	2000	1003.420	1

- Package includes **1 pcs. Ventilated Rear Panel, Assembly Parts.**

! Note : Ventilation filters are optional products. Choose from 'A4 ACCESSORIES' catalog.







PDS
UPGRADE THE POWER