

BUSBAR

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SELECTION GUIDE



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Purpose:

Use this guide to find the busbar combination that best fits your application based on the number of Miniature Circuit Breakers (MCBs) to be connected.

Each row in the selection tables represents one or more valid busbar configurations that can accommodate the required number of MCB connections. Depending on the panel layout and available space, there may be multiple ways to achieve the same number of connections.

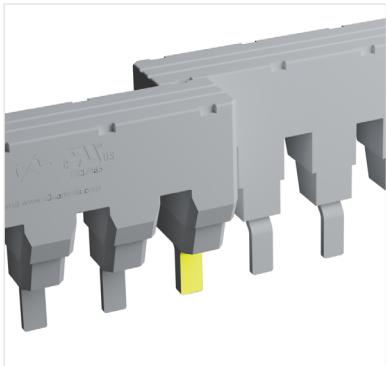
Note: The configurations shown are examples of possible combinations. Select the combination that best fits your panel space, wiring layout, and available components.

Important Assembly Information:

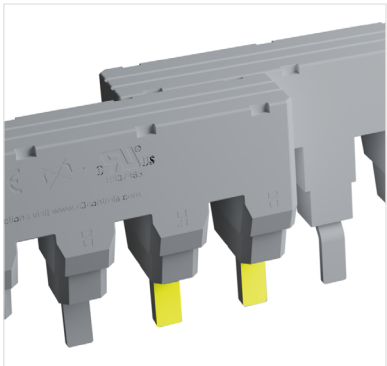
Busbars in the 1100 Series are manufactured to comply with stringent UL creepage and clearance requirements. Because of these safety standards, busbars must not be cut.

Instead, the required number of MCB connections can be achieved by overlapping busbars as follows:

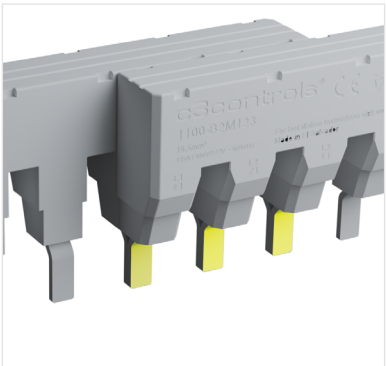
- Overlap Orientation:**
Busbars are placed in reverse orientation (back-to-back) so that their pins fit together securely in the MCB terminals.
- Phase Alignment:**
The number of overlapping pins between two busbars should be a multiple of the number of phases to ensure correct phase sequence and consistent power continuity.



Phase 1



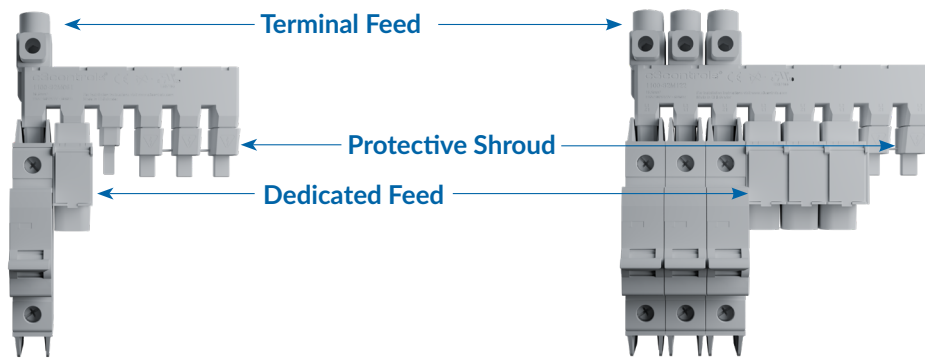
Phase 2



Phase 3

- Combination Flexibility:**
Any combination of available busbar lengths (i.e. 6 / 12 / 18 Pin Busbar) can be used to achieve the total number of required connections as long as they are for the same phase configuration.

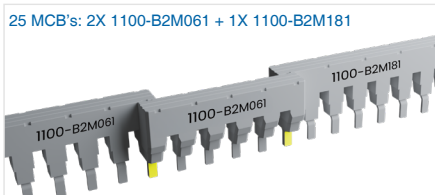
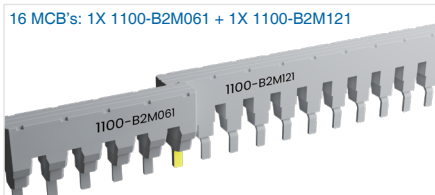
- Use of accessory:**
 - » The input power to the busbar assembly can be connected using either a dedicated feed or a terminal feed, with one feed required for each phase. For example, a 3-phase busbar will require three different feeds (either dedicated or terminal), one for each phase.
 - » For installations using a dedicated feed accessory, keep one pin on the busbar unoccupied per phase to allow proper mounting of the feed. For instance, a 3-phase busbar using dedicated feed accessories will need three extra busbar pins one per phase.
 - » Combinations marked with * are compatible only with terminal feed accessories, while all other combinations can be used with either dedicated feed or terminal feed accessories.



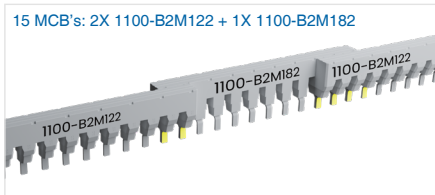
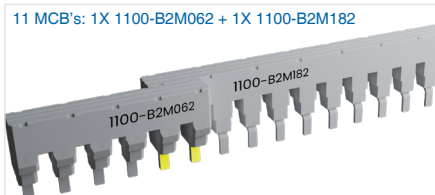
How to Use This Selection Chart:

1. Identify the total number of MCBs in your panel.
2. Select your system type (Single, Two or Three-Phase).
3. Refer to the selection table for a possible busbar combination.
4. Choose the arrangement that best suits your panel layout and assembly space.

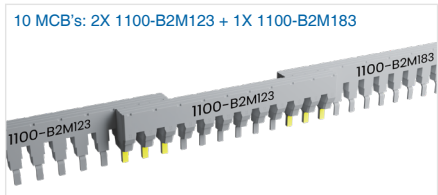
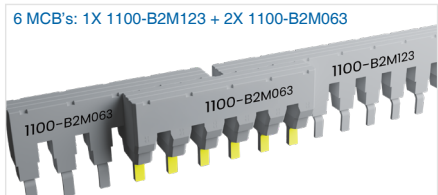
Configuration Examples:



Phase 1



Phase 2



Phase 3

1 PHASE SYSTEM			
No. of MCBs	Necessary Busbars (Qty x Part No.)	No. of MCBs	Necessary Busbars (Qty x Part No.)
6	1x 1100-B2M061*	18	1x 1100-B2M181* 2x 1100-B2M121 2x 1100-B2M061 + 1x 1100-B2M121
7	2x 1100-B2M061	19	2x 1100-B2M121 2x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181
8	2x 1100-B2M061	20	2x 1100-B2M121 2x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181
9	2x 1100-B2M061	21	2x 1100-B2M121 2x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181
10	2x 1100-B2M061	22	2x 1100-B2M121 2x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M121* 1x 1100-B2M061 + 1x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181
11	2x 1100-B2M061*	23	2x 1100-B2M121* 2x 1100-B2M181 1x 1100-B2M061 + 1x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181
12	1x 1100-B2M121* 3x 1100-B2M061	24	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M181 3x 1100-B2M121
13	2x 1100-B2M121 3x 1100-B2M061 1x 1100-B2M061 + 1x 1100-B2M121	25	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M181 3x 1100-B2M121
14	2x 1100-B2M121 3x 1100-B2M061 1x 1100-B2M061 + 1x 1100-B2M121	26	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M181 3x 1100-B2M121
15	2x 1100-B2M121 3x 1100-B2M061 1x 1100-B2M061 + 1x 1100-B2M121	27	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M181 3x 1100-B2M121
16	2x 1100-B2M121 3x 1100-B2M061* 1x 1100-B2M061 + 1x 1100-B2M121	28	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M061 + 1x 1100-B2M181* 3x 1100-B2M121
17	2x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M121	29	2x 1100-B2M181 1x 1100-B2M121 + 1x 1100-B2M181* 3x 1100-B2M121

1 PHASE SYSTEM (CONT.)			
No. of MCBs	Necessary Busbars (Qty x Part No.)	No. of MCBs	Necessary Busbars (Qty x Part No.)
30	2x 1100-B2M181 3x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181	41	1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181
31	2x 1100-B2M181 3x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181	42	1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181
32	2x 1100-B2M181 3x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181	43	1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181
33	2x 1100-B2M181 3x 1100-B2M121 1x 1100-B2M061 + 1x 1100-B2M121 + 1x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181	44	1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181
34	2x 1100-B2M181 3x 1100-B2M121* 1x 1100-B2M061 + 1x 1100-B2M121 + 1x 1100-B2M181* 2x 1100-B2M121 + 1x 1100-B2M181	45	1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181
35	2x 1100-B2M181* 2x 1100-B2M121 + 1x 1100-B2M181	46	1x 1100-B2M121 + 2x 1100-B2M181* 3x 1100-B2M181
36	1x 1100-B2M061 + 2x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181 3x 1100-B2M181 1x 1100-B2M121 + 2x 1100-B2M181	47	3x 1100-B2M181
37	1x 1100-B2M061 + 2x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181 3x 1100-B2M181 1x 1100-B2M121 + 2x 1100-B2M181	48	3x 1100-B2M181
38	1x 1100-B2M061 + 2x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181 3x 1100-B2M181 1x 1100-B2M121 + 2x 1100-B2M181	49	3x 1100-B2M181
39	1x 1100-B2M061 + 2x 1100-B2M181 2x 1100-B2M121 + 1x 1100-B2M181 3x 1100-B2M181 1x 1100-B2M121 + 2x 1100-B2M181	50	3x 1100-B2M181
40	1x 1100-B2M061 + 2x 1100-B2M181* 2x 1100-B2M121 + 1x 1100-B2M181* 1x 1100-B2M121 + 2x 1100-B2M181 3x 1100-B2M181	51	3x 1100-B2M181
		52	3x 1100-B2M181*

Note: * listed items are only compatible with the Terminal Feed accessory

2 PHASE SYSTEM			
No. of MCBs	Necessary Busbars (Qty x Part No.)	No. of MCBs	Necessary Busbars (Qty x Part No.)
3	1x 1100-B2M062*	14	3x 1100-B2M122 2x 1100-B2M182 1x 1100-B2M122 + 1x 1100-B2M182*
4	2x 1100-B2M062	15	1x 1100-B2M062 + 1x 1100-B2M122 + 1x 1100-B2M182 3x 1100-B2M122 2x 1100-B2M122 + 1x 1100-B2M182 2x 1100-B2M182
5	2x 1100-B2M062*	16	1x 1100-B2M062 + 1x 1100-B2M122 + 1x 1100-B2M182 3x 1100-B2M122* 2x 1100-B2M122 + 1x 1100-B2M182 2x 1100-B2M182
6	3x 1100-B2M062 1x 1100-B2M122	17	1x 1100-B2M062 + 1x 1100-B2M122 + 1x 1100-B2M182* 2x 1100-B2M122 + 1x 1100-B2M182 2x 1100-B2M182*
7	3x 1100-B2M062* 2x 1100-B2M122 1x 1100-B2M062 + 1x 1100-B2M122	18	1x 1100-B2M062 + 2x 1100-B2M182 3x 1100-B2M182 2x 1100-B2M122 + 1x 1100-B2M182 1x 1100-B2M122 + 2x 1100-B2M182
8	2x 1100-B2M122 1x 1100-B2M062 + 1x 1100-B2M122	19	1x 1100-B2M062 + 2x 1100-B2M182* 3x 1100-B2M182 2x 1100-B2M122 + 1x 1100-B2M182* 1x 1100-B2M122 + 2x 1100-B2M182
9	1x 1100-B2M182* 2x 1100-B2M122 2x 1100-B2M062 + 1x 1100-B2M122	20	3x 1100-B2M182 1x 1100-B2M122 + 2x 1100-B2M182
10	2x 1100-B2M062 + 1x 1100-B2M122* 1x 1100-B2M062 + 1x 1100-B2M182 2x 1100-B2M122 2x 1100-B2M182 1x 1100-B2M122 + 1x 1100-B2M182	21	3x 1100-B2M182 1x 1100-B2M122 + 2x 1100-B2M182
11	2x 1100-B2M122 2x 1100-B2M182 1x 1100-B2M062 + 1x 1100-B2M182* 1x 1100-B2M122 + 1x 1100-B2M182	22	3x 1100-B2M182 1x 1100-B2M122 + 2x 1100-B2M182
12	2x 1100-B2M062 + 1x 1100-B2M182 1x 1100-B2M062 + 2x 1100-B2M122 3x 1100-B2M122 2x 1100-B2M182 1x 1100-B2M122 + 1x 1100-B2M182	23	3x 1100-B2M182
13	2x 1100-B2M062 + 1x 1100-B2M182* 1x 1100-B2M062 + 2x 1100-B2M122* 3x 1100-B2M122 2x 1100-B2M182 1x 1100-B2M122 + 1x 1100-B2M182	24	3x 1100-B2M182
		25	3x 1100-B2M182*

Note: * listed items are only compatible with the Terminal Feed accessory

3 PHASE SYSTEM			
No. of MCBs	Necessary Busbars (Qty x Part No.)	No. of MCBs	Necessary Busbars (Qty x Part No.)
3	2x 1100-B2M063*	10	2x 1100-B2M183 2x 1100-B2M123 + 1x 1100-B2M183 3x 1100-B2M123* 1x 1100-B2M063 + 1x 1100-B2M123 + 1x 1100-B2M183*
4	1x 1100-B2M123* 3x 1100-B2M063*	11	2x 1100-B2M183* 2x 1100-B2M123 + 1x 1100-B2M183
5	1x 1100-B2M063 + 1x 1100-B2M123* 2x 1100-B2M123	12	1x 1100-B2M063 + 2x 1100-B2M183* 2x 1100-B2M123 + 1x 1100-B2M183* 1x 1100-B2M123 + 2x 1100-B2M183 3x 1100-B2M183
6	1x 1100-B2M183* 1x 1100-B2M123 + 2x 1100-B2M063* 2x 1100-B2M123	13	1x 1100-B2M123 + 2x 1100-B2M183 3x 1100-B2M183
7	2x 1100-B2M123* 1x 1100-B2M063 + 1x 1100-B2M183* 1x 1100-B2M123 + 1x 1100-B2M183 2x 1100-B2M183	14	1x 1100-B2M123 + 2x 1100-B2M183 3x 1100-B2M183
8	1x 1100-B2M123 + 1x 1100-B2M183 2x 1100-B2M063 + 1x 1100-B2M183* 1x 1100-B2M063 + 2x 1100-B2M123* 3x 1100-B2M123 2x 1100-B2M183	15	3x 1100-B2M183
9	1x 1100-B2M123 + 1x 1100-B2M183* 2x 1100-B2M183 3x 1100-B2M123	16	3x 1100-B2M183*

Note: * listed items are only compatible with the Terminal Feed accessory

BUS BAR

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