

Busbar systems

Selection table

Short description

ABB busbar systems enable the safe and economic cross connection of MCBs, RCCBs and RCBOs.

For a correct busbar selection the following points need to be considered:

- MCB terminal type (Twin terminal or cage terminal)
- Number of poles (1, 2, 3, 4, 1+N or 3+N)
- Device type (MCB, RCCB or RCBO)
- Combinations (e.g. RCCB + MCB or RCCB 3+N + RCCB 1+N)
- Use of side mounted auxiliary elements on MCB *)
- Busbar diameter (for current carrying capacity calculation)
- Number of modules (choice of standard busbar or busbar for cutting)

Coding of PS busbars

	PS	1	2	3	4	5	6	7	7
Phases		1	2	3	4				
1 phase		1							
2 phases		2							
3 phases		3							
4 phases		4							
Number of pins									
Diameter									
10 mm ²					-	-			
6 mm ²					6	-			
16 mm ²					1	6			
30 mm ²					3	0			
Application									
Cross connection of RCCB and MCB (4th pin removed for RCCB 3+N)									
Use of neutral conductor (phase sequence e.g. L1-N-L2-N-L3-N-L1...)					N	F	I		
Space for 1 side mounted auxiliary contact						H			
Space for 2 side mounted auxiliary contacts							H	2	
Pins for breaking off									A
Cross connection of devices 3P+N + 1P+N (phase sequence L1-L2-L3-N-L1-N-L2-N-L1-N...)						N	N		
Busbars for IT networks							I	T	
Busbars acc. to UL 489 (Branch Protection)							B	P	
Busbars acc. to UL 1077 (Supplementary Protection)							S	P	
Note: Combinations of above applications are possible									

*) only right side mounted auxiliary elements and bottom fixed auxiliary contacts can be considered for busbar connection