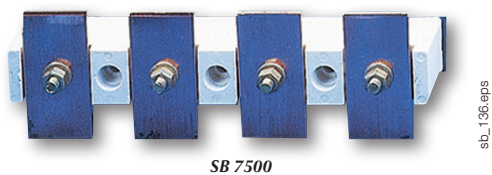


Busbar supports

Flat mounting with fixed interphase



The solution for

- > Electrical distribution



Conformity to standards

- > IEC 61439-1
- > IEC 60865-1



Strong points

- > Space saving

Function

The insulating bar supports ensure secure mounting of the busbars in the electrical panel.

Advantages

Space saving

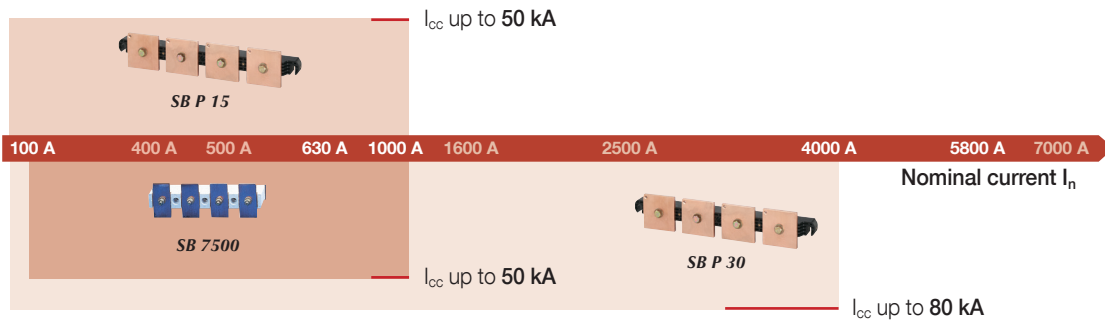
Flat mounted multi-pole busbar supports are suitable for switchboards in which space and footprint are imperative and must be optimised.

General characteristics

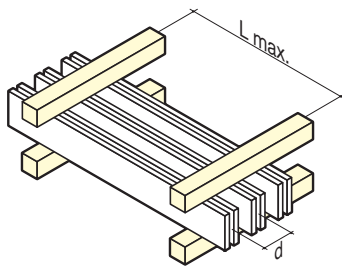
- High dielectric strength.
- High mechanical resistance.
- Amagnetism of assembly parts.
- High resistance to damp heat (supplied 'tropicalised').

Selection guide

Flat mounting



What you need to know



sb_001_b1_x_cataps

Adhering to the maximum distance between two supports ensures that the busbar supports are able to withstand the given short circuit current values. At these limits, distortion of the copper bars may occur. These deformations are permitted by standard IEC 61439-1 as long as they adhere to the insulation distances.

Busbar supports

Flat mounting with fixed interphase

References

Support only

Type of busbar support	No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
SB 7500	3 P	1000	40-50	1	5027 5310
SB 7500	4 P	1000	40-50	1	5027 5410
SB P 15	3 P / 4 P	1000	30-80	1	5023 0150
SB P 30	3 P	1000	50-100	1	5023 0310
SB P 30	4 P	1000	50-80	1	5023 0410

Accessories

For SB P 15

Use

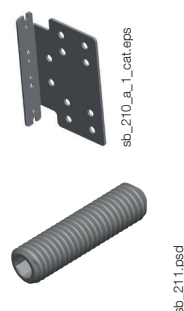
Mount the support and the bars to the support.

Fixing screws for support and bars	Available for order in multiples of	Reference
Fixing set	1	5023 0159

For SB P 30

Mounting bracket	Available for order in multiples of	Reference
2 mounting brackets	1	5024 9002

Bar fixing screws	Available for order in multiples of	Reference
Grub screws for attaching 1 bar thickness	25	5119 4601
Grub screws for attaching 2 bar thicknesses	25	5119 4602
Grub screws for attaching 3 bar thicknesses	25	5119 4603



Characteristics

SB 7500

peak I_{cc}	L max. (support bars in mm) for							
	24 kA	48 kA	63 kA	82 kA	114 kA	152 kA		
rms I_{cc}	12 kA	23 kA	30 kA	39 kA	52 kA	69 kA		
Bar x qty							d (mm)	Iz (A)
50 x 5 x 1	1000	1000	950	725	525	450	75	600
50 x 5 x 2	1000	1000	1000	1000	975	850	75	1050

SB P 15

3 poles

L max. (support bars in mm) for							
peak I_{cc}	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{cc}	12 kA	23 kA	30 kA	39 kA	50 kA		
Bar x qty						d (mm)	Iz (A)
32 x 5 x 1	1000	1000	600	450	275	110	410
30 x 10 x 1	1000	1000	600	450	275	110	610
40 x 5 x 1	1000	1000	575	425	250	110	500
40 x 10 x 1	1000	1000	575	425	250	110	700
50 x 5 x 1	1000	1000	550	400	225	110	600
50 x 10 x 1	1000	1000	550	400	225	110	850
60 x 5 x 1	1000	1000	525	375	200	110	700
60 x 10 x 1	1000	1000	525	375	200	110	1000
80 x 5 x 1	1000	1000	500	350	175	110	900
80 x 10 x 1	1000	1000	500	350	175	110	1300

4 poles

L max. (support bars in mm) for							
peak I_{cc}	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{cc}	12 kA	23 kA	30 kA	39 kA	50 kA		
Bar x qty						d (mm)	Iz (A)
32 x 5 x 1	1000	1000	550	400	225	90	410
30 x 10 x 1	1000	1000	550	400	225	90	610
40 x 5 x 1	1000	1000	525	375	200	90	500
40 x 10 x 1	1000	1000	525	375	200	90	700
50 x 5 x 1	1000	1000	500	350	175	90	600
50 x 10 x 1	1000	1000	500	350	175	90	850
60 x 5 x 1	1000	1000	475	325	150	90	700
60 x 10 x 1	1000	1000	475	325	150	90	1000

Busbar supports

Flat mounting with fixed interphase

Characteristics (continued)

SB P 30

3 poles

peak I_{cc}	L max. (support bars in mm) for									
	63 kA	84 kA	110 kA	143 kA	165 kA	176 kA	187 kA	220 kA		
rms I_{cc}	30 kA	40 kA	50 kA	65 kA	75 kA	80 kA	85 kA	100 kA		
Bar x qty									d (mm)	Iz (A)
50 x 5 x 1	1000	950	525	300	225	200	175	130	123	600
63 x 5 x 1	1000	925	525	300	225	200	175	130	123	700
80 x 5 x 1	1000	900	500	300	225	175	175	125	123	900
80 x 5 x 2	1000	900	500	300	225	175	175	125	123	1550
50 x 10 x 1	1000	950	525	300	225	200	175	130	123	850
50 x 10 x 2	1000	975	525	300	225	200	175	135	123	1550
63 x 10 x 1	1000	925	525	300	225	200	175	130	123	1050
63 x 10 x 2	1000	950	525	300	225	200	175	130	123	1850
80 x 10 x 1	1000	900	500	300	225	175	175	125	123	1300
80 x 10 x 2	1000	925	500	300	225	200	175	125	123	2300
80 x 10 x 3	1000	950	525	300	225	200	175	130	123	3200

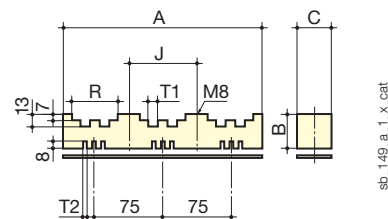
4 poles

peak I_{cc}	L max. (support bars in mm) for									
	63 kA	84 kA	110 kA	143 kA	165 kA	176 kA	187 kA	220 kA		
rms I_{cc}	30 kA	40 kA	50 kA	65 kA	75 kA	80 kA	85 kA	100 kA		
Bar x qty									d (mm)	Iz (A)
50 x 5 x 1	1000	1000	800	475	350	300	275	200	185	
63 x 5 x 1	1000	1000	800	475	350	300	275	200	185	
80 x 5 x 1	1000	1000	800	475	350	300	275	200	185	
80 x 5 x 2	1000	1000	800	475	350	300	275	200	185	
100 x 5 x 1	1000	1000	775	450	325	300	250	175	185	1100
100 x 5 x 2	1000	1000	775	450	325	300	250	175	185	1900
100 x 5 x 3	1000	1000	775	450	350	300	250	175	185	2650
50 x 10 x 1	1000	1000	800	475	350	300	275	200	185	
50 x 10 x 2	1000	1000	800	475	350	300	275	200	185	
63 x 10 x 1	1000	1000	800	475	350	300	275	200	185	
63 x 10 x 2	1000	1000	800	475	350	300	275	200	185	
80 x 10 x 1	1000	1000	800	475	350	300	275	200	185	
80 x 10 x 2	1000	1000	800	475	350	300	275	200	185	
80 x 10 x 3	1000	1000	800	475	350	300	275	200	185	
100 x 10 x 1	1000	1000	775	450	325	300	250	175	185	1550
100 x 10 x 2	1000	1000	775	450	350	300	250	175	185	2750
100 x 10 x 3	1000	1000	775	450	350	300	275	175	185	3850

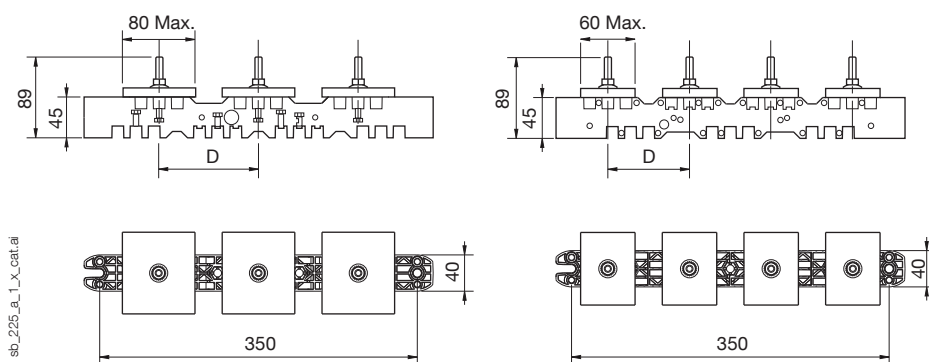
Dimensions

SB 7500

No. of poles	A	B	C	J	R	T ₁	T ₂
3 P	220	38	35	75	52.5	11	6
4 P	295	38	35	75	52.5	11	6



SB P 15



SB P 30

