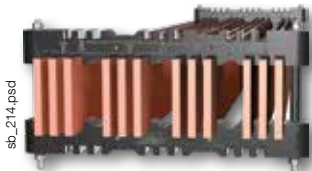




Busbar supports

Busbar

Enclosures & accessories



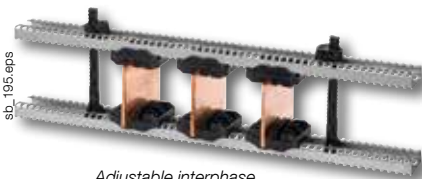
sb_214.psd

Fixed interphase, SB C 15



sb_103.eps

Insulators



sb_195.eps

Adjustable interphase



sb_084.eps

Stair type support

Function

SOCOMECC **insulating busbar supports** enable the fixing of copper or aluminium busbars and are tested to safely hold them during a short circuit.

Characteristics

Insulators

- Polyester without halogen.
- UL94 VO self-extinguishing.
- Colour red RAL 3002.
- Operating temperature from -40 to +130°C.
- Deformation under load temperature (ASTM D643): > 200°C.
- Dielectric constant (ASTM D150): 4/5.
- Arc resistance (ASTM D495): > 180 s.
- Water absorption (ASTM D570): < 0.3%.

Busbar supports

- High dielectric strength.
- High mechanical resistance.
- Amagnetism of assembly parts.
- High resistance to damp heat (supplied "with a conformal coating").

Stair type supports

- Thermoplastic material.
- VO self-extinguishing.
- Insulating voltage: 1000 V.

The solution for

- > Electrical distribution



Compliance with standards

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



Approvals and certifications ⁽¹⁾

- > ASEFA/LCIE



(1) Product references on request.

Available on request

- > Please contact us

Software tool for size selection

Mechanical Systems is a software that can be utilised to size bar sets. It defines the configuration of the busbar system, including bar section and distance between supports, according to the required electrical characteristics of the panel in compliance with standard IEC 61439-1. The software runs on Windows®.

Visit our website www.socomec.com.

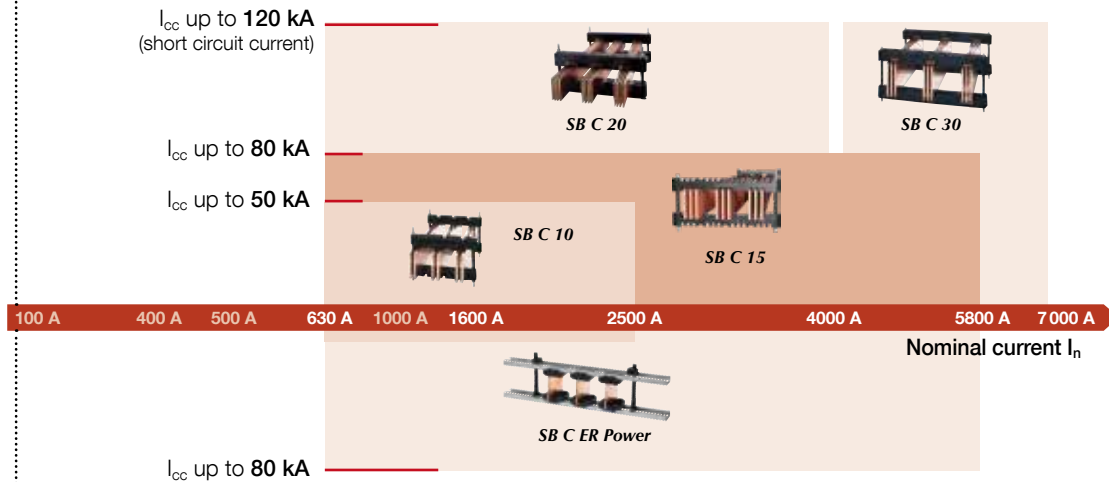


sb_201_b_1_fr_cat.eps

Selection guide

Edgewise mounting

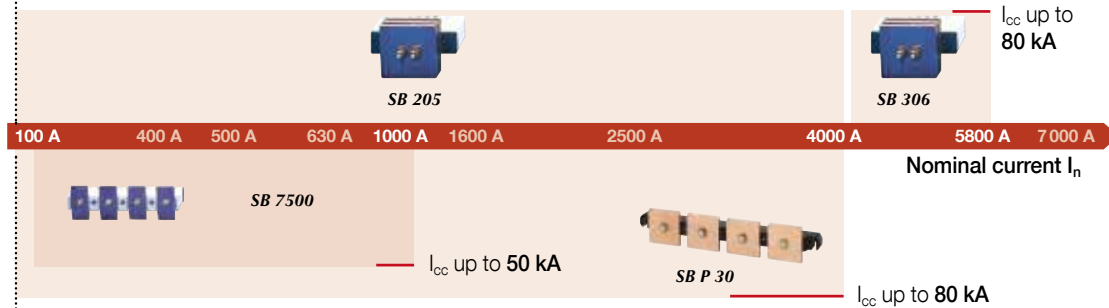
- Busbar supports with **fixed interphase**



- Busbar supports with **adjustable interphase**

Flat mounting

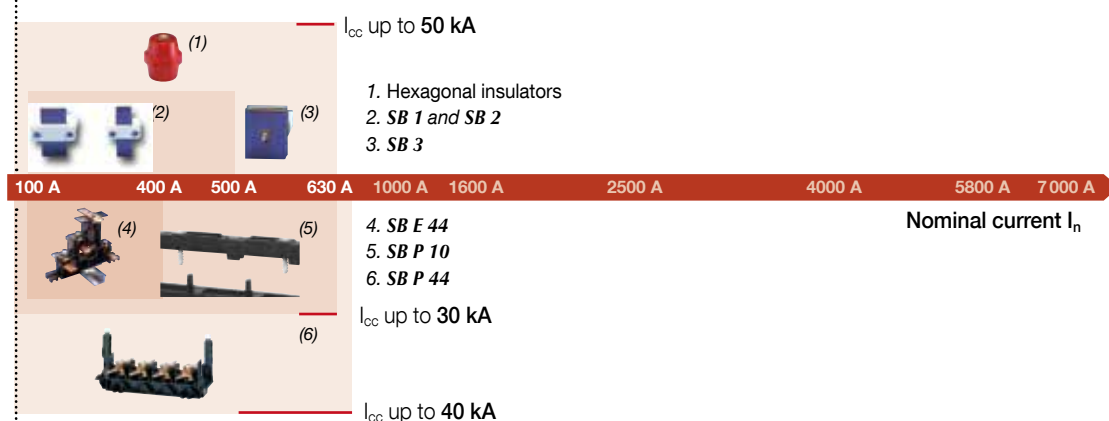
- **Unipolar** busbar supports



- **Multipolar** busbar supports

Other supports

- **Unipolar** busbar supports



- **Tetrapolar** busbar supports

Busbar supports

Busbar

SB C 10 multipolar edgewise mounting busbar supports with fixed interphase

References

2 bars of 5 mm or 1 bar of 10 mm

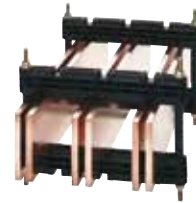
No. of poles	Insulation voltage (VAC)	Number of bars max x bar thickness (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3 P	1000	2 x 5 / 1 x 10	160	25	1	5024 6304
3 P	1000	2 x 5 / 1 x 10	160	40	1	5024 6309
3 P	1000	2 x 5 / 1 x 10	190	50	1	5024 6310
3 P	1000	2 x 5 / 1 x 10	190	60	1	5024 6312
3 P	1000	2 x 5 / 1 x 10	190	63	1	5024 6313
3 P	1000	2 x 5 / 1 x 10	220	80	1	5024 6317
3 P	1000	2 x 5 / 1 x 10	220	100	1	5024 6318
4 P	1000	2 x 5 / 1 x 10	160	25	1	5024 6504
4 P	1000	2 x 5 / 1 x 10	160	40	1	5024 6509
4 P	1000	2 x 5 / 1 x 10	190	50	1	5024 6510
4 P	1000	2 x 5 / 1 x 10	190	60	1	5024 6512
4 P	1000	2 x 5 / 1 x 10	190	63	1	5024 6513
4 P	1000	2 x 5 / 1 x 10	220	80	1	5024 6517
4 P	1000	2 x 5 / 1 x 10	220	100	1	5024 6518



sb_061_b_2_cat

1 or 2 bars of 10 mm

No. of poles	Insulation voltage (VAC)	Number of bars max x bar thickness (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3 P	800	1 x 10 / 2 x 10	160	25	1	5024 6404
3 P	800	1 x 10 / 2 x 10	160	40	1	5024 6409
3 P	800	1 x 10 / 2 x 10	190	50	1	5024 6410
3 P	800	1 x 10 / 2 x 10	190	60	1	5024 6412
3 P	800	1 x 10 / 2 x 10	190	63	1	5024 6413
3 P	800	1 x 10 / 2 x 10	220	80	1	5024 6417
3 P	800	1 x 10 / 2 x 10	220	100	1	5024 6418
4 P	1000	1 x 10 / 2 x 10	160	25	1	5024 6604
4 P	1000	1 x 10 / 2 x 10	160	40	1	5024 6609
4 P	1000	1 x 10 / 2 x 10	190	50	1	5024 6610
4 P	1000	1 x 10 / 2 x 10	190	60	1	5024 6612
4 P	1000	1 x 10 / 2 x 10	190	63	1	5024 6613
4 P	1000	1 x 10 / 2 x 10	220	80	1	5024 6617
4 P	1000	1 x 10 / 2 x 10	220	100	1	5024 6618



sb_174_a_2_cat

Accessories

Use

Adjustable interfix profiles allow you to install the busbar supports at a variable depth.



Adjustable interfix profile.

sb_215.psd

Adjustable interfix profile

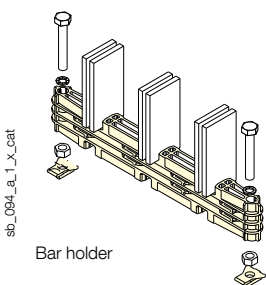
No. of bars	For Depth (mm)	Pack qty	Reference
2 x 5 / 1 x 10	Min. 575 / Max. 675	1	5024 9050
1 x 10 / 2 x 10	Min. 575 / Max. 775	1	5024 9051

Bar holder

No. of bars	No. of poles	Pack qty	Reference
2 x 5 / 1 x 10	3 P	1	5024 9031
2 x 5 / 1 x 10	4 P	1	5024 9041
1 x 10 / 2 x 10	3 P	1	5024 9034
1 x 10 / 2 x 10	4 P	1	5024 9044

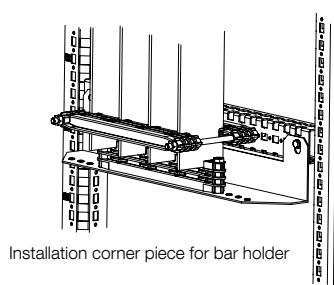
Installation corner piece

For enclosure Depth (mm)	No. of poles	Pack qty	Reference
Min. 400	3/4 P	1	5024 9000
Min. 600	3/4 P	1	5024 9001



Bar holder

sb_094_a_1_x_cat



Installation corner piece for bar holder

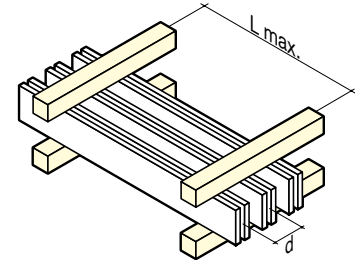
sb_177_a_1_x_cat

Characteristics

Characteristics of 3 and 4 poles with bars of 5 mm for SB C 10

peak I_{sc}	L max. (support bars in mm) for						d (mm)	Iz (A) ⁽¹⁾
	15 kA	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{sc}	9 kA	12 kA	23 kA	30 kA	39 kA	52 kA		
Bar x qty								
25 x 5 x 1	775	475	225	175	140	100	60	330
25 x 5 x 2	675	425	200	160	125		60	590
40 x 5 x 1	1000	625	300	225	175	130	60	500
40 x 5 x 2	950	575	275	225	170	125	60	850
50 x 5 x 1	1000	700	350	250	200	130	60	600
50 x 5 x 2	1000	675	325	250	200	145	60	1050
60 x 5 x 1	1000	775	375	300	225	130	60	700
60 x 5 x 2	1000	775	375	300	225	165	60	1200
63 x 5 x 1	1000	800	400	300	225	130	60	700
63 x 5 x 2	1000	800	400	300	225	170	60	1250
80 x 5 x 1	1000	950	475	350	225	125	60	900
80 x 5 x 2	1000	975	475	375	275	200	60	1550
100 x 5 x 1	1000	1000	550	400	225	125	60	1100
100 x 5 x 2	1000	1000	575	425	325	225	60	1900

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.



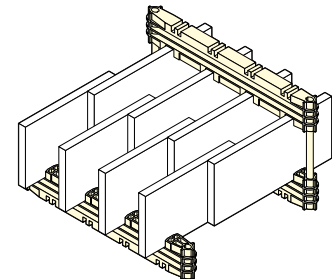
sb_02f_b_1_fr_cat

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 so long as they adhere to the insulation distances.

Characteristics of 3 and 4 poles with bars of 10 mm for SB C 10

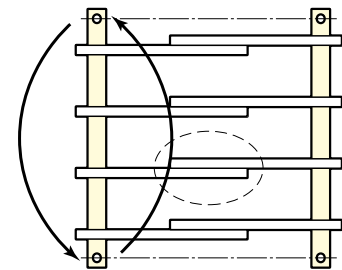
peak I_{sc}	L max. (support bars in mm) for						d (mm)	Iz (A) ⁽¹⁾
	15 kA	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{sc}	9 kA	12 kA	23 kA	30 kA	39 kA	52 kA		
Bar x qty								
25 x 10 x 1	1000	1000	500	375	275	200	65	
25 x 10 x 2	1000	1000	525	400	300	200	90	850
40 x 10 x 1	1000	1000	650	475	375	250	65	700
40 x 10 x 2	1000	1000	700	525	400	275	90	1250
50 x 10 x 1	1000	1000	725	550	425	300	65	850
50 x 10 x 2	1000	1000	800	600	475	325	90	1550
60 x 10 x 1	1000	1000	800	625	475	325	65	1000
60 x 10 x 2	1000	1000	900	675	525	350	90	1800
63 x 10 x 1	1000	1000	825	625	475	350	65	1050
63 x 10 x 2	1000	1000	925	700	550	350	90	1850
80 x 10 x 1	1000	1000	975	725	550	400	65	1300
80 x 10 x 2	1000	1000	1000	850	650	350	90	2300
100 x 10 x 1	1000	1000	1000	850	650	400	65	1550
100 x 10 x 2	1000	1000	1000	975	675	350	90	2750

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.



sb_054_b_1_x_cat

Mounting of one or two bars per pole

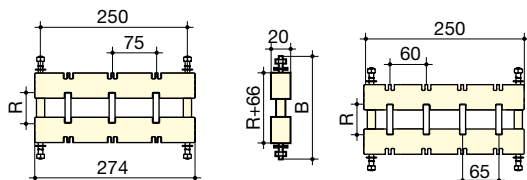


sb_045_b_1_x_cat

Bars joined by reversing a support

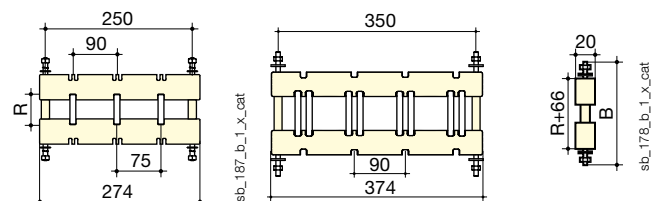
Dimensions

2 bars of 5 mm or 1 bar of 10 mm



sb_112_e_1_x_cat

1 or 2 bars of 10 mm



sb_167_b_1_x_cat

sb_178_b_1_x_cat

Fixed interphase:

- 3 poles 2 x 5, 1 x 10: 75 mm.
- 4 poles thickness bar 5 mm: 60 mm, thickness bar 10 mm: 65 mm.

Fixed interphase:

- 3 poles 1 bar of 10 mm: 75 mm, 2 bars of 10 mm per pole: 90 mm.
- 4 poles 1 or 2 bars of 10 mm: 90 mm.

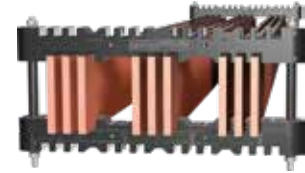
Busbar supports

Busbar

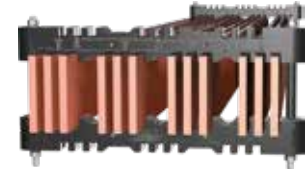
■ SB C 15 multipolar edgewise mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	Number of bars max x bar thickness (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3/4 P	1000	3 x 10	160	30	1	5024 4505
3/4 P	1000	3 x 10	160	32	1	5024 4506
3/4 P	1000	3 x 10	160	40	1	5024 4509
3/4 P	1000	3 x 10	190	50	1	5024 4510
3/4 P	1000	3 x 10	190	60	1	5024 4512
3/4 P	1000	3 x 10	220	80	1	5024 4517
3/4 P	1000	3 x 10	220	100	1	5024 4518
3/4 P	1000	3 x 10	245	120	1	5024 4520
3/4 P	1000	3 x 10	245	125	1	5024 4521
3/4 P	1000	3 x 10	280	160	1	5024 4524



sb_213.psd



sb_214.psd

The deciding details

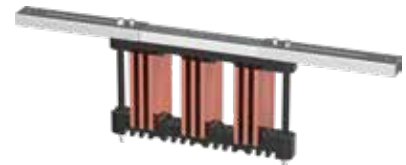
- SB C 15 busbar supports permit the installation of 3 or 4 poles with the same support.

Accessories

Use

Adjustable interfixed profiles allow you to install the busbar supports at a variable depth.

Adjustable interfixed profile		
For Depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9052



sb_217.psd

Adjustable interfixed profile.

Use

Use reinforced profiles when installing high-load busbars. E.g. 3 x 125 x 10.

Adjustable floating profile		
For Depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9053

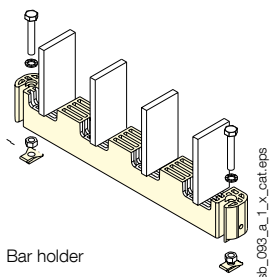


sb_218.psd

Adjustable floating profile.

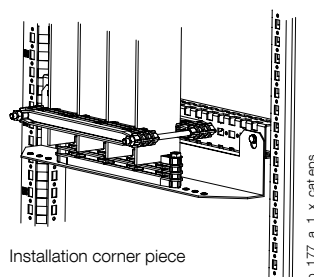
Bar holder		
No. of poles	To be ordered in multiples of	Reference
3 P	1	5024 9032
4 P	1	5024 9042

Installation corner piece		
For Depth (mm)	To be ordered in multiples of	Reference
Min. 400	1	5024 9000
Min. 600	1	5024 9001



Bar holder

sb_093_a_1_x_cat.eps



Installation corner piece

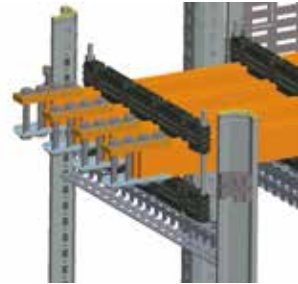
sb_177_a_1_x_cat.eps

Connection accessories

Use

Allows you to fix a horizontal busbar or connect a horizontal and a vertical busbar without having to drill the bars.

Amperage	No. of bars/ pole	To be ordered in multiples of	Horizontal connection Reference	90° connection Reference
1600 A	2	1	5119 4411	5119 4401
3200 A	2	1	5119 4412	5119 4402
5000 A	3	1	5119 4413	5119 4403



kdlys_537_a_1_cat.eps



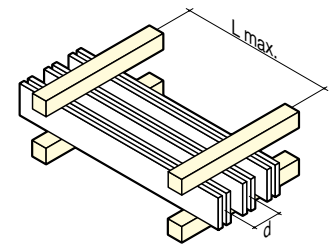
kdlys_538_a_1_cat.eps

Type of screw	Bar height (mm)	To be ordered in multiples of	Reference
H M10 L80	50	1	5119 4505
H M10 L90	60	1	5119 4506
H M10 L110	80	1	5119 4508
H M10 L130	100	1	5119 4510
H M10 L150	125	1	5119 4512
H M10 L180	160	1	5119 4513

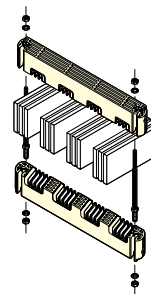
Characteristics

Characteristics of 3 and 4 poles with bars of 10 mm for SB C 15

peak I_{sc}	L max. (support bars in mm) for						d (mm)	Iz (A) ⁽¹⁾
	63 kA	82 kA	114 kA	152 kA	165 kA	176 kA		
rms I_{sc}	30 kA	39 kA	52 kA	69 kA	75 kA	80 kA		
Bar x qty								
32 x 10 x 1	1000	1000	600	225	200	200	90	610
32 x 10 x 2	1000	1000	600	225	200	200	90	1050
32 x 10 x 3	1000	1000	600	225	200	200	90	1500
40 x 10 x 1	1000	1000	600	225	200	200	90	700
40 x 10 x 2	1000	1000	600	225	200	200	90	1250
40 x 10 x 3	1000	1000	600	225	225	200	90	1800
50 x 10 x 1	1000	1000	600	225	200	200	90	850
50 x 10 x 2	1000	1000	600	225	200	200	90	1550
50 x 10 x 3	1000	1000	600	250	200	200	90	2150
60 x 10 x 1	1000	1000	600	250	225	200	90	1000
60 x 10 x 2	1000	1000	600	250	225	200	90	1800
60 x 10 x 3	1000	1000	600	250	225	200	90	2500
80 x 10 x 1	1000	1000	600	275	225	225	90	1300
80 x 10 x 2	1000	1000	600	275	225	225	90	2300
80 x 10 x 3	1000	1000	600	275	225	225	90	3200
100 x 10 x 1	1000	1000	650	300	250	225	90	1550
100 x 10 x 2	1000	1000	650	300	250	225	90	2750
100 x 10 x 3	1000	1000	650	300	250	225	90	3250
125 x 10 x 1	1000	1000	700	350	300	250	90	1900
125 x 10 x 2	1000	1000	700	350	300	250	90	3350
125 x 10 x 3	1000	1000	700	350	300	250	90	4650
160 x 10 x 1	1000	1000	725	375	325	275	90	2350
160 x 10 x 2	1000	1000	725	375	325	275	90	4150
160 x 10 x 3	1000	1000	725	375	325	275	90	5800



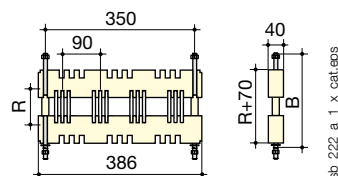
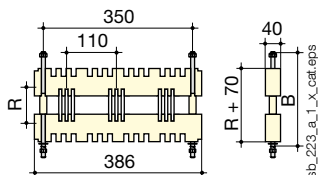
Adhering to the **maximum distance** between two supports ensures that the busbar supports are able to withstand the given short circuit current values. At these limits, distortion of the copper bars may occur. These deformations are permitted by standard IEC 61439-1 so long as they adhere to the insulation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



Mounting of one to three bars per pole

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.

Dimensions



Busbar supports

Busbar

SB C 20 multipolar edgewise mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	No. of bars	Thickness of bar (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3 P	1,000	1 - 4	5	190	50	1	5024 8310
3 P	1,000	1 - 4	5	190	60	1	5024 8312
3 P	1,000	1 - 4	5	190	63	1	5024 8313
3 P	1,000	1 - 4	5	220	80	1	5024 8317
3 P	1,000	1 - 4	5	220	100	1	5024 8318
3 P	1,000	1 - 4	5	245	120	1	5024 8320
3 P	1,000	1 - 4	5	245	125	1	5024 8321
3 P	1,000	1 - 4	5	280	160	1	5024 8324
3 P	1,000	1 - 2	10	190	50	1	5024 7310
3 P	1,000	1 - 2	10	190	60	1	5024 7312
3 P	1,000	1 - 2	10	190	63	1	5024 7313
3 P	1,000	1 - 2	10	220	80	1	5024 7317
3 P	1,000	1 - 2	10	220	100	1	5024 7318
3 P	1,000	1 - 2	10	245	120	1	5024 7320
3 P	1,000	1 - 2	10	245	125	1	5024 7321
3 P	1,000	1 - 2	10	280	160	1	5024 7324
4 P	1,000	1 - 4	5	190	50	1	5024 8410
4 P	1,000	1 - 4	5	190	60	1	5024 8412
4 P	1,000	1 - 4	5	190	63	1	5024 8413
4 P	1,000	1 - 4	5	220	80	1	5024 8417
4 P	1,000	1 - 4	5	220	100	1	5024 8418
4 P	1,000	1 - 4	5	245	120	1	5024 8420
4 P	1,000	1 - 4	5	245	125	1	5024 8421
4 P	1,000	1 - 4	5	280	160	1	5024 8424
4 P	1,000	1 - 2	10	190	50	1	5024 7410
4 P	1,000	1 - 2	10	190	60	1	5024 7412
4 P	1,000	1 - 2	10	190	63	1	5024 7413
4 P	1,000	1 - 2	10	220	80	1	5024 7417
4 P	1,000	1 - 2	10	220	100	1	5024 7418
4 P	1,000	1 - 2	10	245	120	1	5024 7420
4 P	1,000	1 - 2	10	245	125	1	5024 7421
4 P	1,000	1 - 2	10	280	160	1	5024 7424



sb_077.eps

Our advantages

- > The key details : SB C 20 busbar supports have threaded holes which allow a protective screen to be attached. The supports are fixed in place using threaded rods and M8 nuts.



Threaded rods and nuts, M8

SB C 20 Tapped holes

Accessories

Use

Adjustable interfix profiles allow you to install the busbar supports at a variable depth.

Adjustable interfix profile

For depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9052

Use

Use reinforced profiles when installing high-load busbars. E.g. 2 x 160 x 10.

Adjustable floating profile

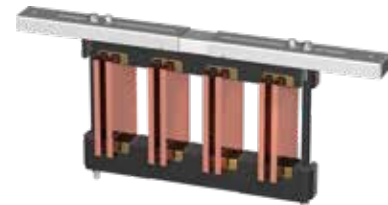
For depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9053

Bar holder

No. of poles	To be ordered in multiples of	Reference
3 P	1	5024 9032
4 P	1	5024 9042

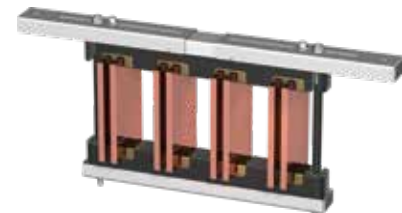
Installation corner piece

For enclosure Depth (mm)	To be ordered in multiples of	Reference
Min. 400	1	5024 9000
Min. 600	1	5024 9001



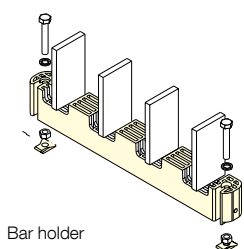
Adjustable interfix profile.

sb_219.psd



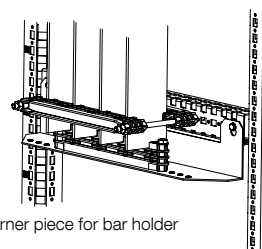
Adjustable floating profile.

sb_220.psd



sb_083_a_1_x_cat

Bar holder



sb_177_a_1_x_cat

Installation corner piece for bar holder

Characteristics

Characteristics of 3 and 4 poles with bars of 5 mm for SB C 20

peak I_{sc}	L max. (support bars in mm) for								d (mm)	Iz (A) ⁽¹⁾
	63 kA	82 kA	114 kA	152 kA	165 kA	187 kA	220 kA	264 kA		
rms I_{sc}	30 kA	39 kA	52 kA	69 kA	75 kA	85 kA	100 kA	120 kA		
Bar x qty										
50 x 5 x 1	625	475	350	250	225	200	175	150	90	600
50 x 5 x 2	525	400	300	225	200	175	155	130	90	1,050
50 x 5 x 3	600	450	325	250	225	200	175	145	90	1,450
50 x 5 x 4	675	525	375	275	250	225	175	160	90	1,850
60 x 5 x 1	675	525	375	275	250	225	200	165	90	700
60 x 5 x 2	600	450	325	250	225	200	175	145	90	1,200
60 x 5 x 3	675	525	375	275	250	225	175	165	90	1,700
60 x 5 x 4	750	575	400	300	275	250	200	175	90	2,150
63 x 5 x 1	700	550	375	275	250	225	200	170	90	700
63 x 5 x 2	625	475	350	250	225	200	175	150	90	1,250
63 x 5 x 3	700	525	375	275	250	225	200	170	90	1,800
63 x 5 x 4	775	600	425	325	275	250	200	175	90	2,250
80 x 5 x 1	800	625	450	325	300	250	225	175	90	900
80 x 5 x 2	725	550	400	300	275	250	200	175	90	1,550
80 x 5 x 3	800	625	450	325	300	275	225	175	90	2,200
80 x 5 x 4	875	675	475	350	325	300	250	200	90	2,750
100 x 5 x 1	900	700	500	375	350	300	250	200	90	1,100
100 x 5 x 2	850	650	475	350	325	275	225	200	90	1,900
100 x 5 x 3	925	700	500	375	350	300	250	200	90	2,650
100 x 5 x 4	975	750	525	400	375	325	275	225	90	3,350
125 x 5 x 1	1000	800	575	425	400	350	300	250	90	1,300
125 x 5 x 2	975	750	550	400	375	325	275	225	90	2,350
125 x 5 x 3	1000	800	575	425	400	350	300	250	90	3,250
125 x 5 x 4	1000	825	575	425	400	350	300	250	90	4,100

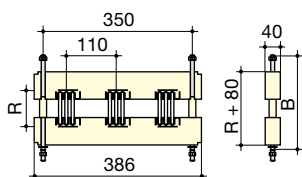
(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.

Characteristics of 3 and 4 poles with bars of 10 mm for SB C 20

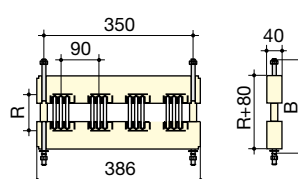
peak I_{sc}	L max. (support bars in mm) for								d (mm)	Iz (A) ⁽¹⁾
	63 kA	82 kA	114 kA	152 kA	165 kA	187 kA	220 kA	264 kA		
rms I_{sc}	30 kA	39 kA	52 kA	69 kA	75 kA	85 kA	100 kA	120 kA		
Bar x qty										
50 x 10 x 1	1000	925	675	500	450	400	350	275	90	850
50 x 10 x 2	1000	850	600	450	400	350	300	250	90	1550
60 x 10 x 1	1000	1000	725	550	500	450	375	300	90	1000
60 x 10 x 2	1000	925	675	500	450	400	350	275	90	1800
63 x 10 x 1	1000	1000	750	550	525	450	375	325	90	1050
63 x 10 x 2	1000	950	675	500	475	400	350	275	90	1890
80 x 10 x 1	1000	1000	850	625	575	525	425	350	90	1300
80 x 10 x 2	1000	1000	775	575	525	475	400	325	90	2300
100 x 10 x 1	1000	1000	950	700	650	575	475	400	90	1550
100 x 10 x 2	1000	1000	850	625	575	525	425	350	90	2750
125 x 10 x 1	1000	1000	1000	800	725	650	550	450	90	1900
125 x 10 x 2	1000	1000	925	675	625	550	475	400	90	3350
160 x 10 x 1	1000	1000	1000	900	825	725	625	500	90	2350
160 x 10 x 2	1000	1000	950	700	650	575	475	400	90	4150

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.

Dimensions



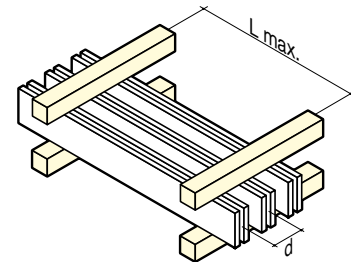
sb_066_c_1_x_cat



sb_067_c_1_x_cat

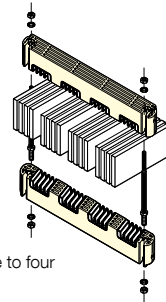
Fixed interphase:

- 3 poles: 110 mm
- 4 poles: 90 mm



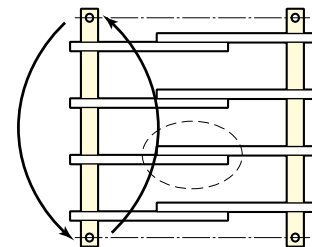
sb_021_b_1_x_cat

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 so long as they adhere to the insulation distances.



Assembly of one to four bars per pole

sb_063_a_1_x_cat



Bars joined by reversing a support

sb_045_b_1_x_cat

Busbar supports

Busbar

SB C 30 multipolar edgewise mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	No. of bars	Thickness of bar (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3 P	1,000	1 - 3	10	190	50	1	5024 5310
3 P	1,000	1 - 3	10	190	60	1	5024 5312
3 P	1,000	1 - 3	10	190	63	1	5024 5313
3 P	1,000	1 - 3	10	190	70	1	5024 5315
3 P	1,000	1 - 3	10	220	80	1	5024 5317
3 P	1,000	1 - 3	10	220	100	1	5024 5318
3 P	1,000	1 - 3	10	245	120	1	5024 5320
3 P	1,000	1 - 3	10	245	125	1	5024 5321
3 P	1,000	1 - 3	10	280	160	1	5024 5324
3 P	1,000	1 - 3	10	325	200	1	5024 5325
4 P	1,000	1 - 3	10	190	50	1	5024 5510
4 P	1,000	1 - 3	10	190	60	1	5024 5512
4 P	1,000	1 - 3	10	190	63	1	5024 5513
4 P	1,000	1 - 3	10	190	70	1	5024 5515
4 P	1,000	1 - 3	10	220	80	1	5024 5517
4 P	1,000	1 - 3	10	220	100	1	5024 5518
4 P	1,000	1 - 3	10	245	120	1	5024 5520
4 P	1,000	1 - 3	10	245	125	1	5024 5521
4 P	1,000	1 - 3	10	280	160	1	5024 5524
4 P	1,000	1 - 3	10	325	200	1	5024 5525



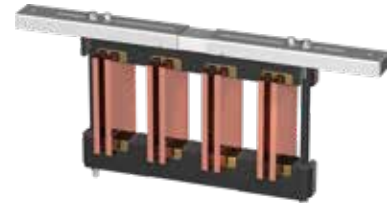
sb_173.eps

Accessories

Use

Adjustable interfix profiles allow you to install the busbar supports at a variable depth.

Adjustable interfix profile		
For depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9054



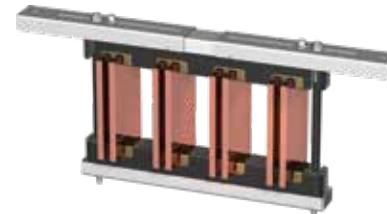
sb_219_a_1_cat.psd

Adjustable interfix profile.

Use

Use reinforced profiles when installing high-load busbars. E.g. 3 x 125 x 10.

Adjustable floating profile		
For depth (mm)	To be ordered in multiples of	Reference
Min. 575 / Max. 775	1	5024 9055

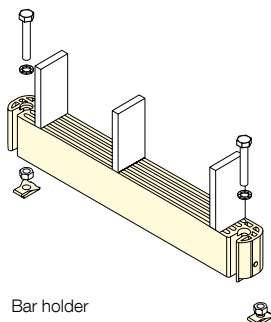


sb_220.psd

Adjustable floating profile.

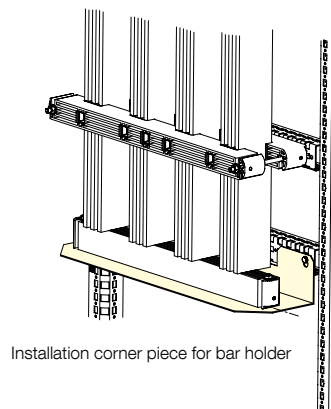
Bar holder		
No. of poles	To be ordered in multiples of	Reference
3/4 P	1	5024 9033

Installation corner piece		
For depth (mm)	To be ordered in multiples of	Reference
Min. 600	1	5024 9001



Bar holder

sb_122_b_1_x_cat



Installation corner piece for bar holder

sb_180_a_1_x_cat

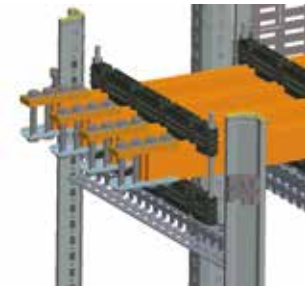
Connection accessories

Use

Allows you to fix a horizontal busbar or connect a horizontal and a vertical busbar without having to drill the bars.

Amperage	No. of bars/ pole	To be ordered in multiples of	Horizontal connection Reference	90° connection Reference
1600 A	2	1	5119 4411	5119 4401
3200 A	2	1	5119 4412	5119 4402
5000 A	3	1	5119 4413	5119 4403

Screws			
Type of screw	Bar height (mm)	To be ordered in multiples of	Reference
H M10 L80	50	1	5119 4505
H M10 L90	60	1	5119 4506
H M10 L110	80	1	5119 4508
H M10 L130	100	1	5119 4510
H M10 L150	125	1	5119 4512
H M10 L180	160	1	5119 4513



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kdhys_538_a_1_cat.eps

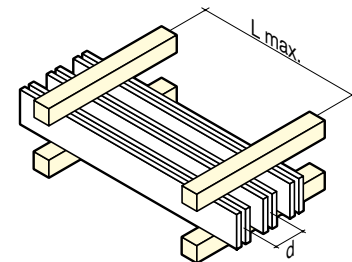
Characteristics

Characteristics of 3 and 4 poles with bars of 10 mm for SB C 30

peak I_{sc}	L max. (support bars in mm) for								d (mm)	I_z (A) (1)
	63 kA	82 kA	114 kA	152 kA	165 kA	187 kA	220 kA	264 kA		
rms I_{sc}	30 kA	39 kA	52 kA	69 kA	75 kA	85 kA	100 kA	120 kA		
Bar x qty										
50 x 10 x 1	1000	1000	800	600	550	475	400	350	130	850
50 x 10 x 2	1000	900	650	475	450	400	325	275	130	1,550
50 x 10 x 3	725	550	400	300	275	225	200	175	130	2,150
60 x 10 x 1	1000	1000	875	650	600	525	450	375	130	1,000
60 x 10 x 2	1000	1000	725	525	500	425	375	300	130	1,800
60 x 10 x 3	825	625	450	325	300	275	225	175	130	2,500
63 x 10 x 1	1000	1000	900	675	600	550	450	375	130	1,050
63 x 10 x 2	1000	1000	725	550	500	450	375	300	130	1,850
63 x 10 x 3	850	650	450	350	325	275	225	200	130	2,600
80 x 10 x 1	1000	1000	1000	750	675	600	500	425	130	1,300
80 x 10 x 2	1000	1000	825	625	575	500	425	350	130	2,300
80 x 10 x 3	1000	750	550	400	375	325	275	225	130	3,200
100 x 10 x 1	1000	1000	1000	825	750	675	575	475	130	1,550
100 x 10 x 2	1000	1000	925	675	625	550	475	400	130	2,750
100 x 10 x 3	1000	900	650	475	425	375	325	275	130	3,250
125 x 10 x 1	1000	1000	1000	925	850	750	625	525	130	1,900
125 x 10 x 2	1000	1000	1000	750	675	600	500	425	130	3,350
125 x 10 x 3	1000	1000	750	550	525	450	375	325	130	4,650
160 x 10 x 1	1000	1000	1000	1000	925	825	700	575	130	2,350
160 x 10 x 2	1000	1000	1000	750	700	625	525	425	130	4,150
160 x 10 x 3	1000	1000	900	675	625	550	475	375	130	5,800
200 x 10 x 1	1000	1000	1000	1000	1000	900	750	625	130	2,850
200 x 10 x 2	1000	1000	925	700	625	550	475	400	130	5,050
200 x 10 x 3	1000	1000	725	525	500	425	375	300	130	7,000

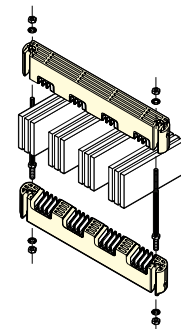
(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.

For other mounting configurations, please contact us.



sb_021_lb_1_x_cat

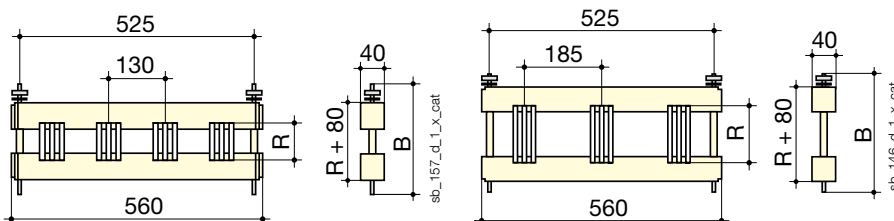
Adhering to the **maximum distance** between two supports ensures that the busbar supports are able to withstand the given short circuit current values. At these limits, distortion of the copper bars may occur. These deformations are permitted by standard IEC 61439-1 so long as they adhere to the insulation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



sb_162_a_1_x_cat

Mounting of one to three bars per pole

Dimensions



Fixed interphase:
 • 3 poles: 185 mm
 • 4 poles: 130 mm

Busbar supports

Busbar

SB C ER P multipolar edgewise mounting busbar supports with adjustable interphase

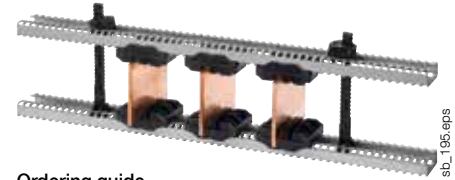
References

Complete busbar support

Designation	Thickness of bar (mm)	Width of bar (mm)	No. of bars	No. of poles	Reference
Complete support	10	480	1 ... 3	4	5025 5135

Insert

Designation	Thickness of bar (mm)	No. of bars	No. of poles	Quantity	To be ordered in multiples of	Reference
Insert for 5 mm bars	5	3	3 P	6 ⁽¹⁾	8	5025 5205
Insert for 5 mm bars	5	3	4 P	8 ⁽¹⁾	8	5025 5205
Insert for 10 mm bars	10	2	3 P	6 ⁽¹⁾	4	5025 5210
Insert for 10 mm bars	10	2	4 P	8 ⁽¹⁾	4	5025 5210
Insert for 10 mm bars	10	3	3 P	6 ⁽¹⁾	1	5025 5111
Insert for 10 mm bars	10	3	4 P	8 ⁽¹⁾	1	5025 5111



Ordering guide

- For three poles, order: 6 x insets, 2 x studs, 2 x profiles.
- For four poles, order: 8 x insets, 2 x studs, 2 x profiles.

Mounting accessories

Designation	Length (mm)	Quantity	To be ordered in multiples of	Reference
Stud kit (bar height 25 to 200 mm)		2 ⁽¹⁾	4	5025 5100
Stud kit metal (bar height 0 to 100 mm)		2	2	5025 5101
Stud kit metal (bar height 0 to 200 mm)		2	2	5025 5102
380 mm profile	380	2 ⁽¹⁾	4	5025 5124
480 mm profile	480	2 ⁽¹⁾	4	5025 5125
580 mm profile	580	2 ⁽¹⁾	4	5025 5126
780 mm profile	780	2 ⁽¹⁾	4	5025 5128
2 m profile	2000		4	5025 5120
Profile for Prisma enclosure ⁽²⁾	525	1 ⁽¹⁾	1	5025 5130

(1) Quantity required for 1 busbar support inserts.

(2) Kit of 2 profiles and 4 brackets.

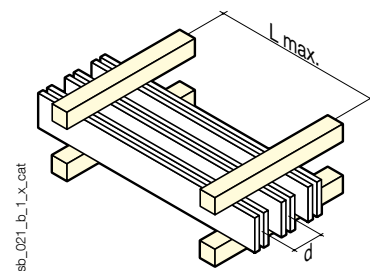
Characteristics

5 mm inserts for up to 3 bars and 10 mm inserts for up to 2 bars

peak I _{sc}	L max. (support bars in mm) for					d min. (mm)	I _z (A) ⁽¹⁾
	82 kA	114 kA	152 kA	165 kA	187 kA		
rms I _{sc}	39 kA	52 kA	69 kA	75 kA	85 kA		
Bar x qty							
50 x 5 x 1	500	325	175	150		75	600
50 x 5 x 2	500	325	175	150	100	75	1050
50 x 5 x 3	500	325	175	150	100	75	1450
63 x 5 x 1	525	350	200	175		75	700
63 x 5 x 2	525	350	200	175	125	75	1250
63 x 5 x 3	525	350	200	175	125	75	1800
80 x 5 x 1	525	350	200	175	125	75	900
80 x 5 x 2	525	350	200	175	125	75	1550
80 x 5 x 3	525	350	200	175	125	75	2200
100 x 5 x 1	550	375	225	200	175	75	1100
100 x 5 x 2	550	375	225	200	175	75	1900
100 x 5 x 3	550	375	225	200	175	75	2650
125 x 5 x 1	575	400	250	225	200	75	1300
125 x 5 x 2	575	400	250	225	200	75	2350
125 x 5 x 3	575	400	250	225	200	75	3250
80 x 10 x 1	1000	750	350	300	200	75	1300
80 x 10 x 2	1000	750	350	300	200	75	2300
100 x 10 x 1	1000	750	375	325	225	75	1550
100 x 10 x 2	1000	775	375	325	225	75	2750
125 x 10 x 1	1000	775	375	325	225	75	1900
125 x 10 x 2	1000	775	375	325	225	75	3350
160 x 10 x 1	1000	775	400	350	250	75	2350
160 x 10 x 2	1000	800	400	350	250	75	4150

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.

For other mounting configurations, please contact us.



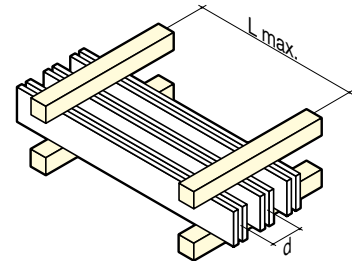
Adhering to the **maximum distance** between two supports ensures that the busbar supports are able to withstand the given short circuit current values. At these limits, distortion of the copper bars may occur. These deformations are permitted by standard IEC 61439-1 so long as they adhere to the insulation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

Characteristics (continued)

10 mm insert / 3 bars

peak I_{sc}	L max. (bar supports in mm)						d (mm)	Iz (A) ⁽¹⁾
	63 kA	82 kA	114 kA	152 kA	165 kA	187 kA		
rms I_{sc}	30 kA	39 kA	52 kA	69 kA	75 kA	85 kA		
Bar x qty								
50 x 10 x 1	1000	1000	650	250	200	150	70	850
50 x 10 x 2	1000	1000	650	250	200	150	70	1550
50 x 10 x 3	1000	1000	650	250	200	150	70	2150
63 x 10 x 1	1000	1000	675	275	225	175	70	1050
63 x 10 x 2	1000	1000	675	275	225	175	70	1850
63 x 10 x 3	1000	1000	675	275	225	175	70	2600
80 x 10 x 1	1000	1000	700	300	250	175	70	1300
80 x 10 x 2	1000	1000	700	300	250	175	70	2300
80 x 10 x 3	1000	1000	700	300	250	175	70	3200
100 x 10 x 1	1000	1000	725	325	275	175	70	1550
100 x 10 x 2	1000	1000	725	325	275	175	70	2750
100 x 10 x 3	1000	1000	725	325	275	175	70	3250
125 x 10 x 1	1000	1000	725	350	275	200	70	1900
125 x 10 x 2	1000	1000	725	350	275	200	70	3350
125 x 10 x 3	1000	1000	725	350	275	200	70	4650
160 x 10 x 1	1000	1000	750	350	300	200	70	2350
160 x 10 x 2	1000	1000	750	350	300	200	70	4150
160 x 10 x 3	1000	1000	750	350	300	200	70	5800

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.



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 so long as they adhere to the insulation distances.

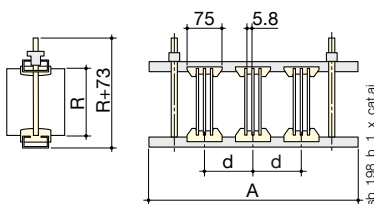
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Dimensions

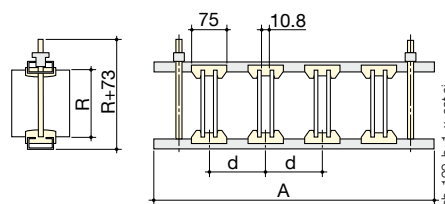
Mounting

- 1 to 3 bars of 5 mm thickness, per phase.
- 1 to 3 bars of 10 mm thickness, per phase.
- Interphase distance: min. 70 mm and max. 200 mm.
- Use 2 studs positioned symmetrically on the extremity of the poles or between the outermost poles.

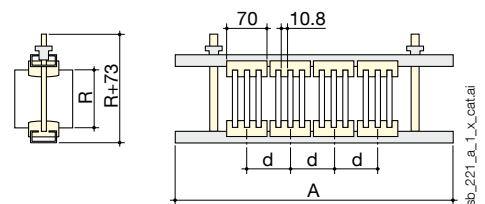
A (mm)	Enclosure (mm)
380	400
480	500
580	600
780	800



5 mm insert / 3 bars



10 mm insert / 2 bars



10 mm insert / 3 bars

Busbar supports

Busbar

SB 205 - SB 306 unipolar flat mounting busbar supports

References

Support	Insulation voltage (VAC)	No. of bars	Bar width (mm)	To be ordered in multiples of	Reference
SB 205	1,000	1 - 3	100	6	5022 5110
SB 306	1,000	1 - 3	160	6	5023 6110

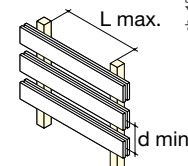
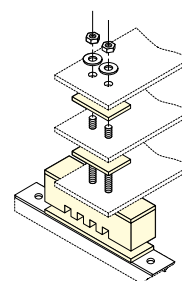


sb_117_eps

Characteristics

Support	Bar x qty	L max. (support bars in mm) for						d min. (mm)	Iz (A) ⁽¹⁾	
		peak I _{sc}	48 kA	63 kA	82 kA	114 kA	152 kA			165 kA
		rms I _{sc}	23 kA	30 kA	39 kA	52 kA	69 kA			75 kA
SB 205	100 x 10 x 1	1000	1000	1000	1000	1000	1000	125	1550	
SB 205	100 x 10 x 2	1000	1000	1000	1000	1000	1000	125	2750	
SB 205	100 x 10 x 3	1000	1000	1000	1000	1000	1000	125	3850	
SB 306	160 x 10 x 1	1000	1000	1000	1000	1000	1000	175	2350	
SB 306	160 x 10 x 2	1000	1000	1000	1000	1000	1000	175	4150	
SB 306	160 x 10 x 3	1000	1000	1000	1000	1000	1000	175	5800	

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.

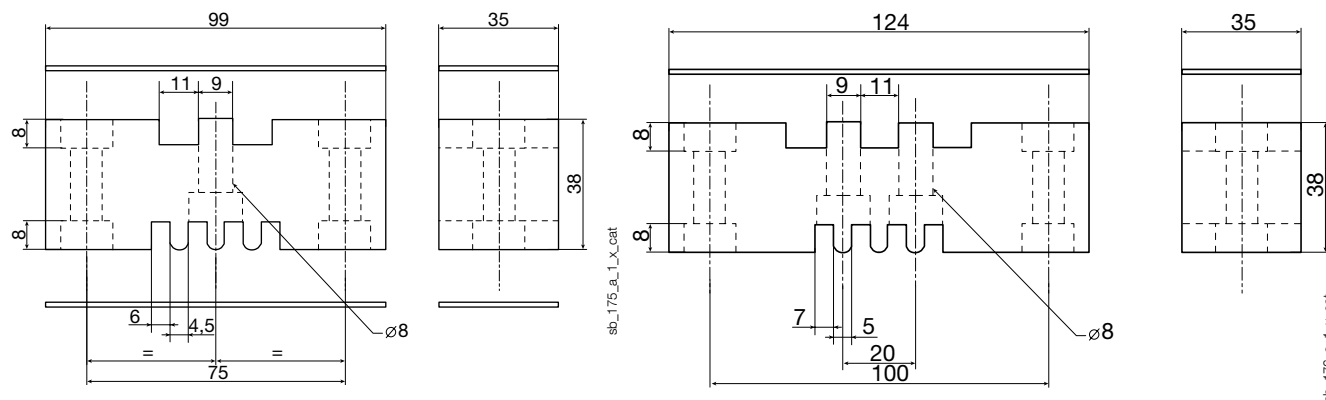


sb_152_a_1_x_cat

Mounting

- SB 205: 1 to 3 bars of max. recommended width 100 mm.
- SB 306: 1 to 3 bars of max. recommended width 160 mm.

Dimensions



sb_175_a_1_x_cat

sb_176_a_1_x_cat

■ SB 7500 multipolar flat mounting busbar supports with fixed interphase

References

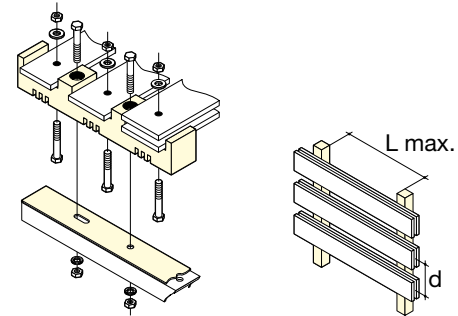
No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
3 P	1,000	40 -50	1	5027 5310
4 P	1,000	40 -50	1	5027 5410



sb_136.eps

Characteristics

peak I_{sc}	L max. (support bars in mm) for						d (mm)	Iz (A)
	24 kA	48 kA	63 kA	82 kA	114 kA	152 kA		
rms I_{sc}	12 kA	23 kA	30 kA	39 kA	52 kA	69 kA		
Bar x qty								
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	1,050

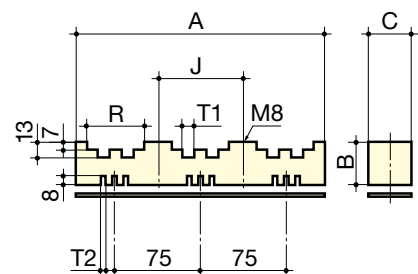


sb_153_b_1_x_cat

Mounting: SB 7500: 1 to 2 bars of max. width 50 mm per pole. Fixed interphase of 75 mm.

Dimensions

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_149_a_1_x_cat

Busbar supports

Busbar

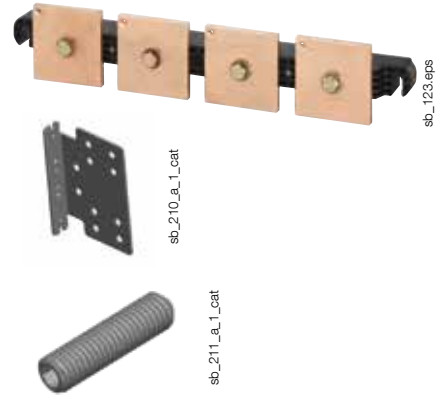
SB P 30 multipolar flat mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
3 P	1000	50 -100	1	5023 0310
4 P	1000	50 -80	1	5023 0410

Mounting bracket Accessories	To be ordered in multiples of	Reference
2 mounting brackets for SB P 30	1	5024 9002

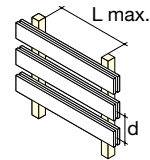
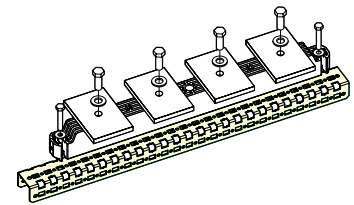
Bar fixing screws Accessories	To be ordered in multiples of	Reference
Grub screws for mounting 1 bar	25	5119 4601
Grub screws for mounting 2 bars back-to-back	25	5119 4602
Grub screws for mounting 3 back-to-back bars	25	5119 4603



Characteristics

d = 123 mm

peak I _{sc}	L max. (support bars in mm) for								d (mm)	Iz (A)
	63 kA	84 kA	110 kA	143 kA	165 kA	176 kA	187 kA	220 kA		
rms I _{sc}	30 kA	40 kA	50 kA	65 kA	75 kA	80 kA	85 kA	100 kA		
Bar x qty										
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	1,550
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	1,550
63 x 10 x 1	1000	925	525	300	225	200	175	130	123	1,050
63 x 10 x 2	1000	950	525	300	225	200	175	130	123	1,850
80 x 10 x 1	1000	900	500	300	225	175	175	125	123	1,300
80 x 10 x 2	1000	925	500	300	225	200	175	125	123	2,300
80 x 10 x 3	1000	950	525	300	225	200	175	130	123	3,200



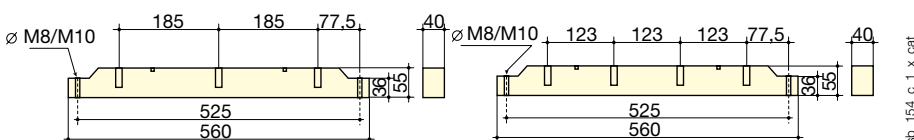
d = 185 mm

peak I _{sc}	L max. (support bars in mm) for								d (mm)	Iz (A)
	63 kA	84 kA	110 kA	143 kA	165 kA	176 kA	187 kA	220 kA		
rms I _{sc}	30 kA	40 kA	50 kA	65 kA	75 kA	80 kA	85 kA	100 kA		
Bar x qty										
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

Mounting

- 3 poles: 1 to 3 bars of max. width 100 mm per pole, fixed interphase of 185 mm
- 4 poles: 1 to 3 bars of max. width 80 mm per pole, fixed interphase of 123 mm

Dimensions



Hexagonal insulators unipolar flat mounting busbar supports

Female to female hexagonal insulator

References

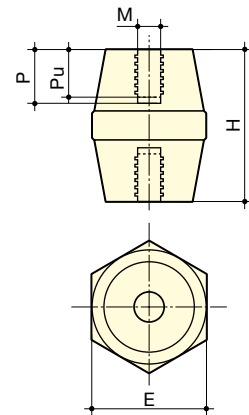
Height H (mm)	Threading M	Depth		Diameter E (mm)	Pack qty	Reference
		P (mm)	Pu (mm)			
20	M4	8	5.5	19	1	5031 2004
20	M6	8	5.5	19	1	5031 2006
25	M6	10	7	25	1	5031 2506
30	M6	10	7	33	1	5031 3006
30	M8	12	9	33	1	5031 3008
35	M6	12	9	33	1	5031 3506
35	M8	12	9	33	1	5031 3508
35	M10	12	9	33	1	5031 3510
40	M8	15	12	40	1	5031 4008
40	M10	15	12	40	1	5031 4010
45	M8	15	12	41	1	5031 4508
45	M10	15	12	41	1	5031 4510
50	M8	20	17	46	1	5031 5008
50	M10	20	17	46	1	5031 5010
50	M12	20	17	46	1	5031 5012
60	M10	20	17	50	1	5031 6010
65	M10	20	17	55	1	5031 6510
70	M12	25	21	55	1	5031 7012



sb_104.eps

Characteristics

Height H (mm)	Threading	Voltage Nominal (V) AC/DC	Insulation voltage (VAC)		Mechanical characteristics (daN)		Tightening torque max. (Nm)
			50 Hz 1 min	Peak	Flexion	Traction	
20	M4	500	3000	5500	70	170	9
20	M6	500	3000	5500	100	190	8
25	M6	500	3000	5500	170	370	12
30	M6	1000	6000	11000	200	650	22
30	M8	1000	6000	11000	360	800	40
35	M6	1400	9000	16000	230	720	25
35	M8	1400	9000	16000	380	900	42
35	M10	1400	9000	16000	320	800	44
40	M8	2000	12000	21500	620	1200	50
40	M10	2000	12000	21500	620	1100	60
45	M8	2000	12000	21500	550	1200	55
45	M10	2000	12000	21500	550	1100	65
50	M8	2000	12000	21500	650	1800	60
50	M10	2000	12000	21500	650	1700	70
50	M12	2000	12000	21500	660	13000	130
60	M10	2400	12000	27000	560	1600	85
65	M10	2400	12000	27000	750	1600	90
70	M12	2400	12000	27000	750	1500	135



sb_105_c_1_x_cat

Busbar supports

Busbar

■ Hexagonal insulators unipolar flat mounting busbar supports (continued)

Male to female hexagonal insulator

References

Height H (mm)	Threading M	Depth		Diameter E (mm)	Length W (mm)	Pack qty	Reference
		P (mm)	Pu (mm)				
16	M4	6	5	14	26	1	5038 1604
16	M5	6	5	14	26	1	5038 1605
25	M5	10	7	20	35	1	5038 2505
25	M6	10	7	25	35	1	5038 2506
35	M8	12	9	33	50	1	5038 3508
35	M10	12	9	33	65	1	5038 3510
50	M8	15	17	46	75	1	5038 5008
50	M10	20	17	46	80	1	5038 5010
60	M10	20	17	50	85	1	5038 6010



sb_106.eps

Male to male hexagonal insulator

References

Height H (mm)	Threading M	Depth		Diameter E (mm)	Length W (mm)	Pack qty	Reference
		P (mm)	Pu (mm)				
16	M4	6	5	14	26	1	5039 1604
16	M5	6	5	14	26	1	5039 1605
25	M5	10	7	20	35	1	5039 2505
25	M6	10	7	25	35	1	5039 2506
35	M8	12	9	33	50	1	5039 3508
35	M10	12	9	33	65	1	5039 3510
50	M8	15	17	46	75	1	5039 5008
50	M10	20	17	46	80	1	5039 5010
60	M10	20	17	50	85	1	5039 6010

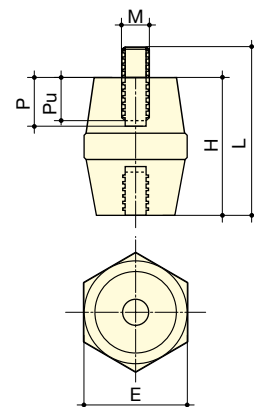


sb_107.eps

Male to female and male to male hexagonal insulator

Characteristics

Height H (mm)	Threading	Voltage Nominal (V) AC/DC	Insulating voltage		Mechanical characteristics (daN)		Tightening torque max. (Nm)
			(VAC)		Flexion	Traction	
			50 Hz 1 min	Peak			
16	M4	500	3000	5500	100	150	3
16	M5	500	3000	5500	100	150	6
25	M5	500	3000	11000	180	400	6
25	M6	500	3000	11000	180	400	12
35	M8	1400	9000	16000	380	900	42
35	M10	1400	9000	16000	320	800	44
50	M8	2000	12000	21500	650	1800	60
50	M10	2000	12000	21500	650	1700	70
60	M10	2400	12000	27000	560	1600	85



sb_068_d_1_x_cat

Grub screw

References

Length (mm)	Thread	To be ordered in multiples of	Reference
20	M6	20	5032 2006
20	M8	20	5032 2008
25	M6	20	5032 2506
25	M8	20	5032 2508
30	M6	20	5032 3006
30	M8	20	5032 3008
40	M8	20	5032 4008
40	M10	20	5032 4010
50	M12	20	5032 5012



sb_121.eps

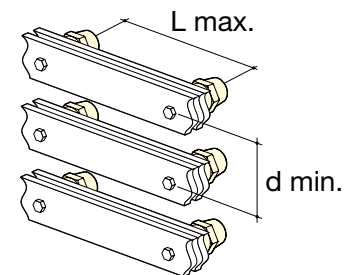
Define your exact busbar

- > For your busbar, fitted with hexagonal insulators, to be mechanically resistant to a short-circuit, it must correspond to the table below.

Values according to IEC 61439-1.

General characteristics

Height H (mm)	Threading	Bar x qty	L max. (support bars in mm) for						d min. (mm)	Iz (A) ⁽¹⁾
			peak I _{sc}	24 kA	48 kA	63 kA	82 kA	114 kA		
			rms I _{sc}	12 kA	23 kA	30 kA	39 kA	52 kA		
20	M4	15 x 5 x 1	400	100				45	220	
20	M4	20 x 5 x 1	400	100				45	280	
25	M6	15 x 5 x 1	550	135				45	220	
25	M6	20 x 5 x 1	525	135				45	280	
25	M6	25 x 5 x 1	575	145				50	330	
30	M6	15 x 5 x 1	675	165				45	220	
30	M6	20 x 5 x 1	650	165				45	280	
30	M6	25 x 5 x 1	725	175	105			50	330	
30	M8	15 x 5 x 1	850	250	155			45	220	
30	M8	20 x 5 x 1	1000	250	155			45	280	
30	M8	25 x 5 x 1	1000	275	170	100		50	330	
35	M6	15 x 5 x 1	700	175	100			45	220	
35	M6	20 x 5 x 1	675	170	100			45	280	
35	M6	25 x 5 x 1	750	175	110			50	330	
35	M8	15 x 5 x 1	850	275	160			45	220	
35	M8	20 x 5 x 1	1000	275	160			45	280	
35	M8	25 x 5 x 1	1000	300	175	105		50	330	
35	M8	32 x 5 x 1	1000	325	175	110		55	410	
35	M10	20 x 5 x 1	850	200	125			45	280	
35	M10	25 x 5 x 1	950	225	135			50	330	
35	M10	32 x 5 x 1	1000	250	150			55	410	
40	M8	20 x 5 x 1	1000	325	175	110		45	280	
40	M8	25 x 5 x 1	1000	350	200	125		50	330	
40	M8	32 x 5 x 1	1000	375	225	135		55	410	
40	M10	20 x 5 x 1	1000	325	175	110		45	280	
40	M10	25 x 5 x 1	1000	350	200	125		50	330	
40	M10	32 x 5 x 1	1000	375	225	135		55	410	
45	M8	25 x 5 x 1	1000	425	250	150		50	330	
45	M8	32 x 5 x 1	1000	475	175	160		55	410	
45	M8	50 x 5 x 1	1000	625	350	200	110	75	600	
45	M10	25 x 5 x 1	1000	425	250	145		50	330	
45	M10	32 x 5 x 1	1000	450	250	160		55	410	
45	M10	50 x 5 x 1	1000	600	350	200	110	75	600	
50	M8	25 x 5 x 1	1000	450	250	155		50	330	
50	M8	32 x 5 x 1	1000	475	275	170		55	410	
50	M8	50 x 5 x 1	1000	650	375	225	115	75	600	
50	M10	32 x 5 x 1	1000	525	300	175		55	410	
50	M10	50 x 5 x 1	1000	700	400	225	125	75	600	
60	M10	50 x 5 x 1	1000	700	400	225	125	75	600	
65	M10	50 x 5 x 1	1000	775	450	250	135	75	600	



sb_164_a_1_x_cat

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.
For other mounting configurations, please contact us.

Busbar supports

Busbar

SB 1 - SB 2 multipolar flat mounting busbar supports

References

Support	Insulation voltage (VAC)	No. of bars	Bar width (mm)	To be ordered in multiples of	Reference
SB 1	690	1	20 -25	6	5021 0110
SB 2	690	1	32 -40	6	5022 0110



sb_108.eps

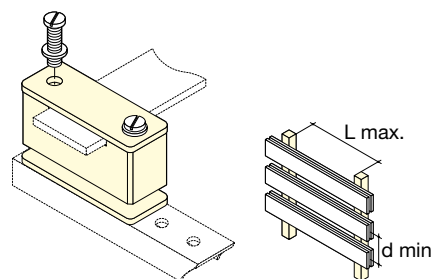
Ordering guide

SB 1: bar of max. width 25 mm
SB 2: bar of max. width 40 mm

Characteristics

Support	Bar x qty	L max. (support bars in mm) for					d min. (mm)	Iz (A) ⁽¹⁾	
		peak I _{sc}	24 kA	48 kA	63 kA	82 kA			114 kA
		rms I _{sc}	12 kA	23 kA	30 kA	39 kA			52 kA
SB 1	20 x 3 x 1	650	325	250	175	135	50	210	
SB 1	20 x 5 x 1	850	425	325	250	175	50	280	
SB 1	25 x 5 x 1	1000	525	400	300	200	50	330	
SB 2	32 x 5 x 1	1000	750	575	450	300	70	410	
SB 2	40 x 5 x 1	1000	950	700	550	400	70	500	

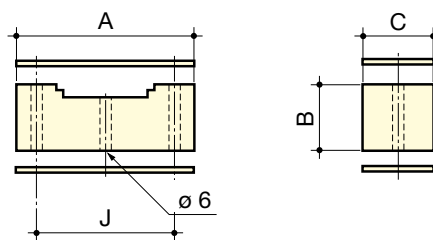
(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.
For other mounting configurations, please contact us.



sb_150_a_1_x_cat

Dimensions

Support	A	B	C	J
SB 1	50	23	20	34
SB 2	68	23	23.5	50



sb_014_c_1_x_cat

SB 3 multipolar flat mounting busbar supports

References

Support	Insulation voltage (VAC)	No. of bars	Bar width (mm)	To be ordered in multiples of	Reference
SB 3 without screws	690	1 - 2	32 -63	6	5023 0111
SB 3 with screws ⁽¹⁾	690	1 - 2	32 -63	6	5023 0110

(1) SB3 bare and with screws.



sb_118.eps

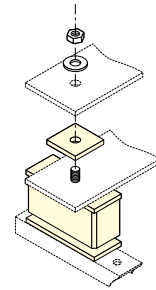
Ordering guide

SB 3: 1 to 2 bars of max. recommended width 63 mm.

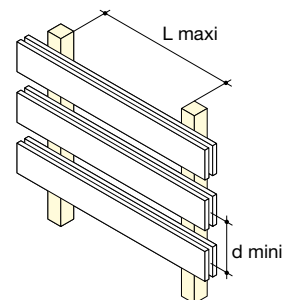
Characteristics

peak I_{sc}	L max. (support bars in mm) for					d min. (mm)	Iz (A) ⁽¹⁾
	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{sc}	12 kA	23 kA	30 kA	39 kA	52 kA		
Bar x qty							
32 x 5 x 2	1000	1000	925	700	500	70	580
40 x 5 x 2	1000	1000	1000	1000	1000	70	700
50 x 5 x 2	1000	1000	1000	925	675	75	850
63 x 5 x 2	1000	1000	1000	1000	1000	85	1000

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C. For other mounting configurations, please contact us.



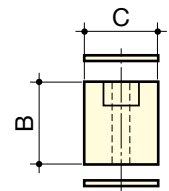
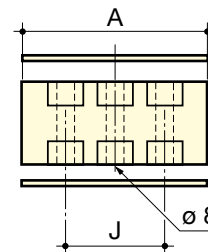
sb_008_a_1_x_cat



sb_023_b_1_fr_cat

Dimensions

Support	A	B	C	J
SB 3 without screws	65	32	28	36
SB 3 with screws	65	32	28	36



sb_089_b_1_x_cat

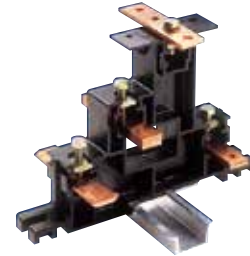
Busbar supports

Busbar

SB E 44 tetrapolar stair type supports

References

No. of poles	Pack qty	Reference
4 P	1	5028 0410
Accessories	Pack qty	Reference
270 mm long protection screen kit	1	5028 0411
420 mm long protection screen kit	1	5028 0412
620 mm long protection screen kit	1	5028 0413
Set of 20 protection screen adaption spacers	1	5028 0415



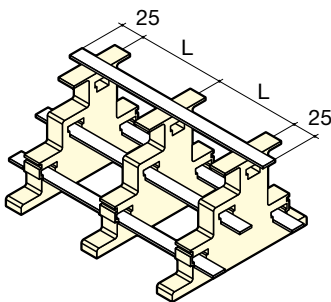
sb_038.eps

Characteristics

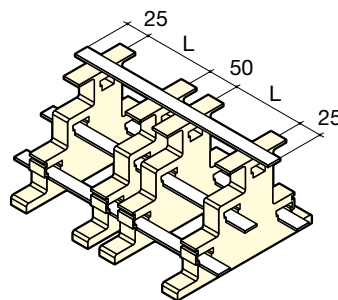
Support	Bar x qty	L max. (support bars in mm) for						Iz (A) ⁽¹⁾	
		peak I _{sc}	10 kA	15 kA	24 kA	38 kA	48 kA		63 kA
		rms I _{sc}	6 kA	9 kA	12 kA	19 kA	23 kA		30 kA
Type 1	15 x 3 x 1	950	625	400	250	175		160	
Type 1	15 x 5 x 1	1000	825	500	300	175		220	
Type 1	15 x 6 x 1	1000	900	550	300	200		250	
Type 1	15 x 8 x 1	1000	1000	650	300	200		290	
Type 1	20 x 3 x 1	1000	825	525	300	175		210	
Type 1	20 x 5 x 1	1000	1000	675	300	175		280	
Type 1	20 x 6 x 1	1000	1000	750	300	175		310	
Type 1	20 x 8 x 1	1000	1000	775	300	175		370	
Type 1	32 x 5 x 1	1000	1000	675	250	170		410	
Type 1	32 x 6 x 1	1000	1000	675	250	170		460	
Type 2	15 x 3 x 1	950	625	400	250	200	150	160	
Type 2	15 x 5 x 1	1000	825	500	325	250	175	220	
Type 2	15 x 6 x 1	1000	900	550	350	275	200	250	
Type 2	15 x 8 x 1	1000	1000	650	400	325	225	290	
Type 2	20 x 3 x 1	1000	825	525	325	250	200	210	
Type 2	20 x 5 x 1	1000	1000	675	425	325	225	280	
Type 2	20 x 6 x 1	1000	1000	750	450	375	225	310	
Type 2	20 x 8 x 1	1000	1000	850	525	375	225	370	
Type 2	32 x 5 x 1	1000	1000	1000	525	325	175	410	
Type 2	32 x 6 x 1	1000	1000	1000	525	325	175	460	

(1) Admissible busbar nominal current with a temperature inside the panel of between 45°C and 80°C.
For other mounting configurations, please contact us. **N.B.:** Iz indicated is for a solid (undrilled) busbar.

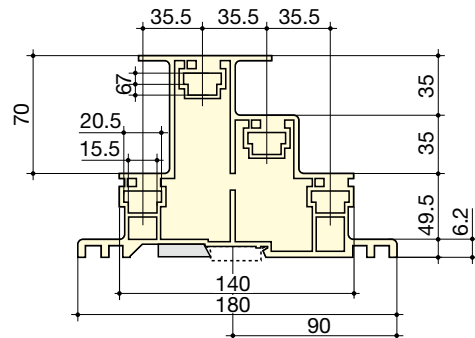
Dimensions



sb_041_b_1_x_cat



sb_047_a_1_x_cat



sb_036_e_1_x_cat

Type 1: Busbars including 3 (or more) equally spaced SB E 44 supports.

Type 2: Busbars with 3 (or more) SB E 44 supports with doubled intermediary supports.

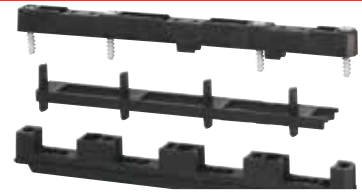
Mounting with elliptical holes: 150 to 170 mm.

SB P 10 tetrapolar flat mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
4 P	690	12 -30	1	5026 0460

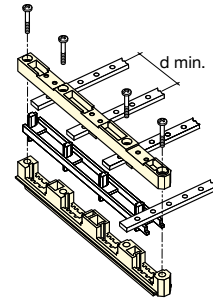
SB P 10: 1 bar of 5 or 10 mm thickness with a width of 12, 20, 25 or 30 mm.



sb_130.eps

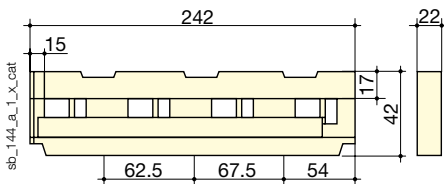
Characteristics

peak I_{sc}	L max. (support bars in mm) for					d min. (mm)	Iz (A)
	10 kA	15 kA	24 kA	48 kA	63 kA		
rms I_{sc}	6 kA	9 kA	12 kA	23 kA	30 kA		
Bar x qty							
12 x 5 x 1	1000	475	175			60	180
20 x 5 x 1	1000	1000	650	165		60	280
25 x 5 x 1	1000	1000	650	160		60	338
30 x 5 x 1	1000	1000	850	200	120	60	390
25 x 10 x 1	1000	1000	1000	250	150	60	508
30 x 10 x 1	1000	1000	1000	350	200	60	580



sb_159_b_1_x_cat

Dimensions



sb_144_a_1_x_cat

SB P 44 tetrapolar flat mounting busbar support with fixed interphase, for mounting angled bars

References

No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
4 P	1,000	20 -32	1	5026 0450

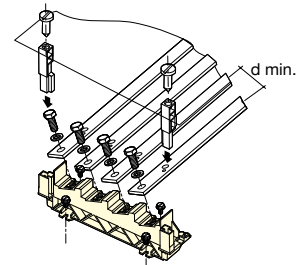
SB P 44: 1 bar of 5 or 10 mm thickness with a width of 20, 25, 30 or 32 mm.
Please note: protection cover not supplied.



sb_170.eps

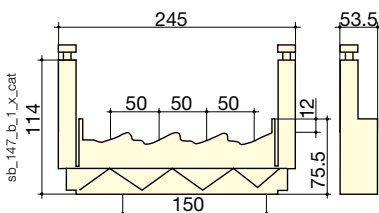
Characteristics

peak I_{sc}	L max. (support bars in mm) for						d min. (mm)	Iz (A)
	10 kA	15 kA	24 kA	48 kA	63 kA	82 kA		
rms I_{sc}	6 kA	9 kA	12 kA	23 kA	30 kA	39 kA		
Bar x qty								
20 x 5 x 1	1000	1000	800	350	200	125	50	280
25 x 5 x 1	1000	1000	1000	350	200	125	50	330
32 x 5 x 1	1000	1000	1000	350	200	120	50	390
25 x 10 x 1	1000	1000	1000	350	200	125	50	500
30 x 10 x 1	1000	1000	1000	350	200	120	50	580
32 x 10 x 1	1000	1000	1000	350	200	120	50	610



sb_165_c_1_x_cat

Dimensions



sb_147_b_1_x_cat