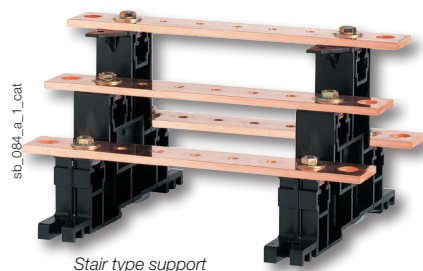
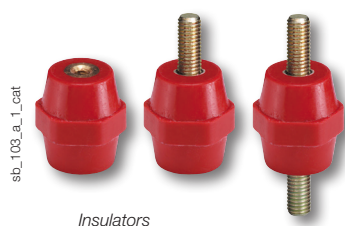
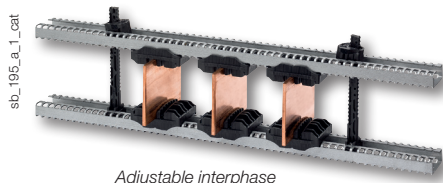


Busbar supports

Busbar



Function

SOCOMECS insulating busbar supports enable the fixing of copper or aluminium busbars.

Characteristics

Insulators

- Polyester without halogen.
- UL94 VO self-extinguishing.
- Color red RAL 3002.
- Operating temperature from -40 to + 266°F.
- Deformation under load temperature (ASTM D643): > 392°F / 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.
- Non-magnetic assembly parts.
- High resistance to damp heat (supplied "with a conformal coating").

Stair type supports

- Thermoplastic material.
- UL 94 VO self-extinguishing.
- Insulating voltage: 1000 V.

The solution for

- > Industrial Control Panels Manufacturers (UL 508A)
- > Switchboards Manufacturers (UL 891)
- > Distributors
- > OEM/Machine Builders



Approvals and certifications ⁽¹⁾

- > ASEFA/LCIE



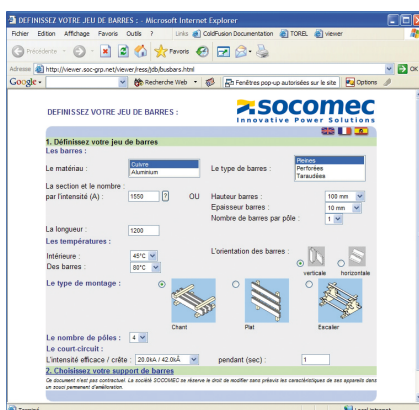
(1) Product references on request.

Available on request

- > Please contact us

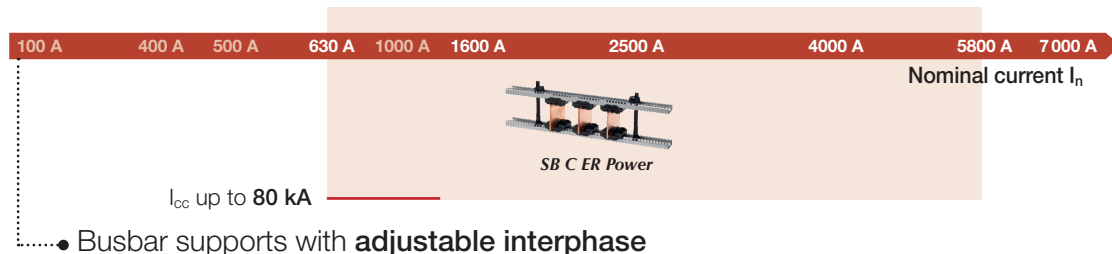
Software tool for size selection

Mechanical Systems is a software that can be utilized 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® 7 and 10. Visit our website www.socomec.us.



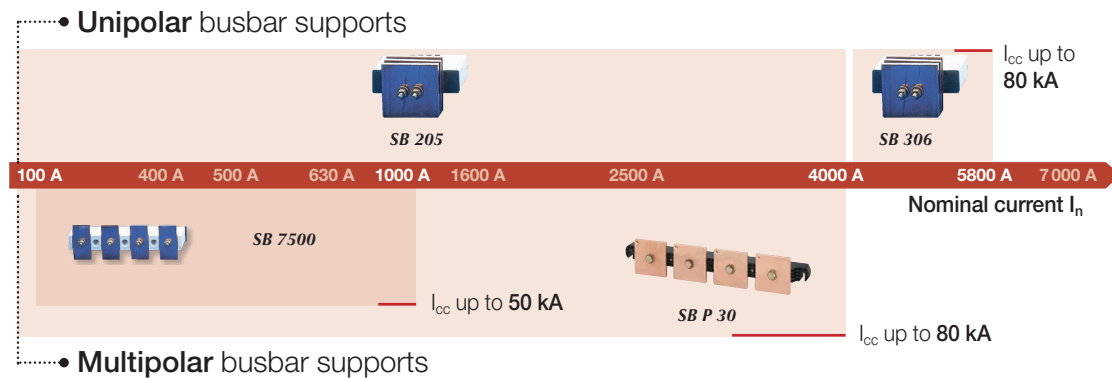
Selection guide

Edgewise mounting



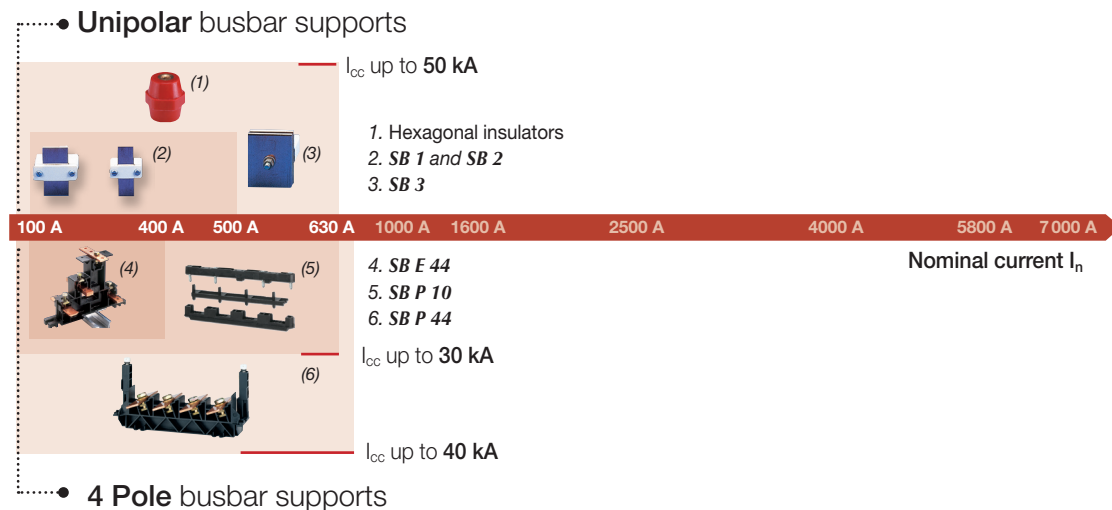
- Busbar supports with **adjustable interphase**

Flat mounting



- **Multipolar** busbar supports

Other supports



- **4 Pole** busbar supports

Busbar supports

Busbar

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

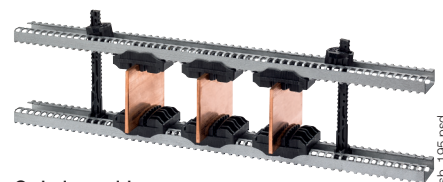
References

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.

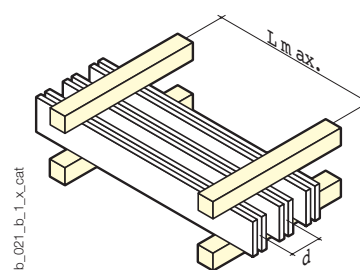
Characteristics

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						
	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						d min. (mm)	Iz (A) ⁽¹⁾
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 113°F and 176°F.

For other mounting configurations, please contact us.



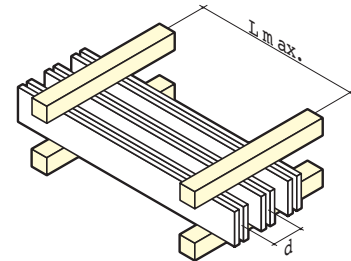
Adhering to the **maximum distance** between two supports ensures that the busbar supports are able to withstand the given short circuit current values. At these limits, distortion of the copper bars may occur. These deformations are permitted by standard IEC 61439-1 so long as they adhere to the insulation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

Characteristics (continued)

10 mm insert / 3 bars

peak I_{sc}	L max. (bar supports in mm)							
	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							d (mm)	Iz (A) ⁽¹⁾
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 113°F and 176°F.
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.

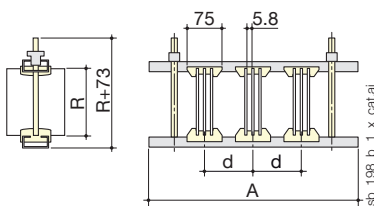
sb_021_b_1_x_cat.eps

Dimensions

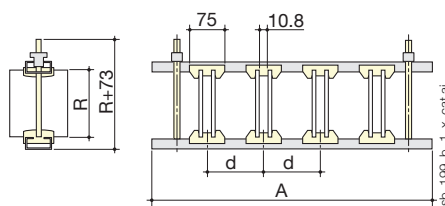
Mounting

- 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.

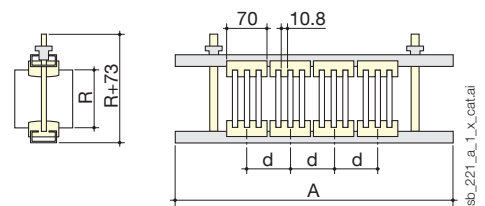
A (mm)	Enclosure (mm)
380	400
480	500
580	600
780	800



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

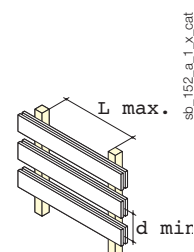
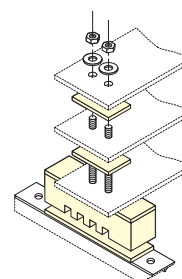


sb_117.psd

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		
		rms I _{sc}	23 kA	30 kA	39 kA	52 kA	69 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 113°F and 176°F.
For other mounting configurations, please contact us.

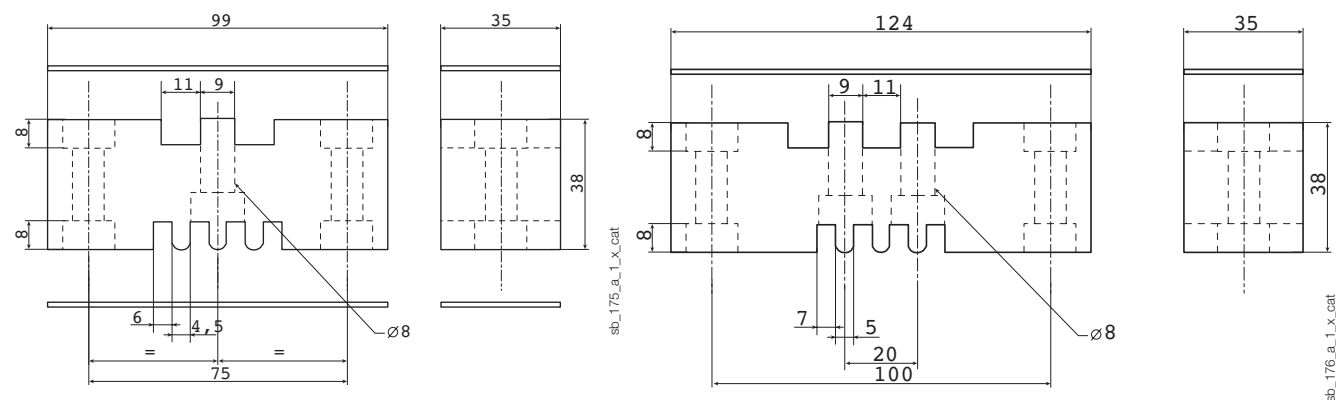


sb_152_a_1_x_cat

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.

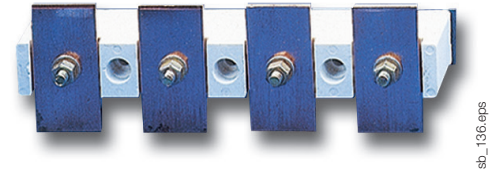
Dimensions



■ SB 7500 multipolar flat mounting busbar supports with fixed interphase

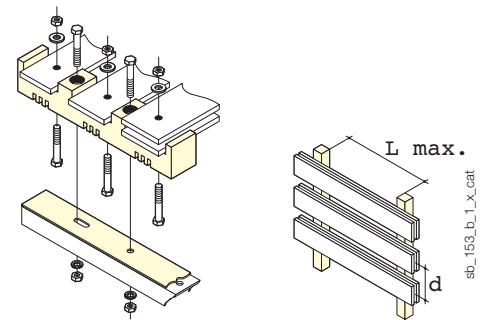
References

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



Characteristics

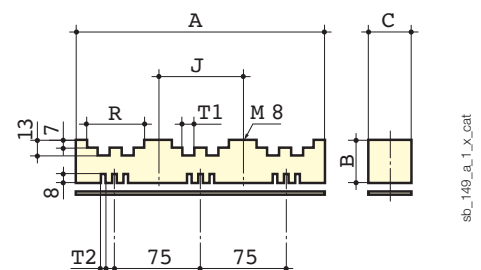
peak I_{sc}	L max. (support bars in mm) for							
	24 kA	48 kA	63 kA	82 kA	114 kA	152 kA		
rms I_{sc}	12 kA	23 kA	30 kA	39 kA	52 kA	69 kA		
Bar x qty							d (mm)	Iz (A)
50 x 5 x 1	1000	1000	950	725	525	450	75	600
50 x 5 x 2	1000	1000	1000	1000	975	850	75	1,050



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



Busbar supports

Busbar

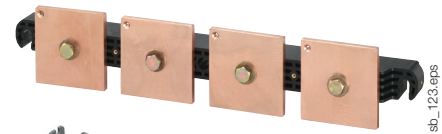
SB P 30 multipolar flat mounting busbar supports with fixed interphase

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



sb_123.eps



sb_211_a_1_cat



sb_210_a_1_cat

Characteristics

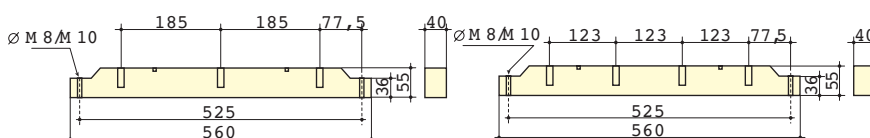
d = 123 mm

peak I _{sc}	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 _{sc}	30 kA	40 kA	50 kA	65 kA	75 kA	80 kA	85 kA	100 kA		
Bar x qty									d (mm)	l _z (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	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

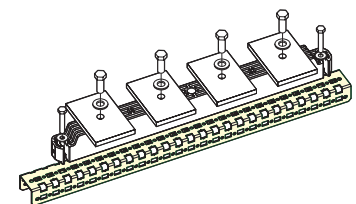
d = 185 mm

peak I _{sc}	L max. (support bars in mm) for									
	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									d (mm)	l _z (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

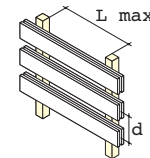
Dimensions



sb_164_c_1_x_cat



sb_160_a_1_x_cat



sb_200_a_1_x_cat

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

■ Hexagonal insulators unipolar flat mounting busbar supports

Female to female hexagonal insulator

References

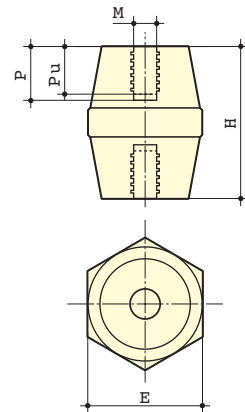
Height H (mm)	Threading M	Depth		Diameter E (mm)	Pack qty	Reference
		P (mm)	Pu (mm)			
20	M4	8	5.5	19	1	5031 2004
20	M6	8	5.5	19	1	5031 2006
25	M6	10	7	21	1	5031 2506
30	M6	10	7	33	1	5031 3006
30	M8	12	9	33	1	5031 3008
35	M6	12	9	33	1	5031 3506
35	M8	12	9	33	1	5031 3508
35	M10	12	9	33	1	5031 3510
40	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_a_2_cat

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



sd_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 P (mm) Pu (mm)		Diameter E (mm)	Length W (mm)	Pack qty	Reference
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	20	35	1	5038 2506
35	M8	12	9	32	50	1	5038 3508
35	M10	12	9	32	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_a_2_cat

Male to male hexagonal insulator

References

Height H (mm)	Threading M	Depth P (mm) Pu (mm)		Diameter E (mm)	Length W (mm)	Pack qty	Reference
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	20	35	1	5038 2506
35	M8	12	9	32	50	1	5038 3508
35	M10	12	9	32	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

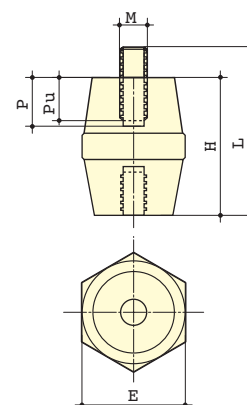


sb_107_a_2_cat

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) 50 Hz 1 min	Peak	Flexion	Traction	
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_a_2_cat

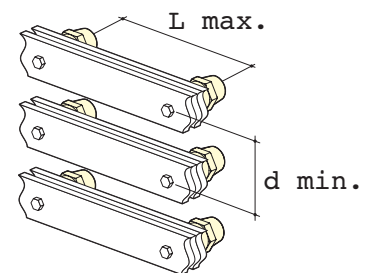
Define your exact busbar

- > 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

(1) Admissible busbar nominal current with a temperature inside the panel of between 113°F and 176°F.
For other mounting configurations, please contact us.



sb_164_a_1_x_cat

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.psd

Ordering guide

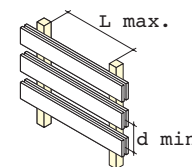
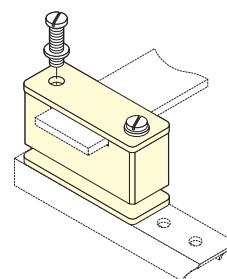
SB 1: bar of max. width 25 mm

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	

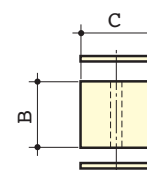
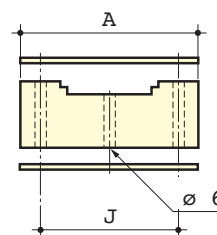
(1) Admissible busbar nominal current with a temperature inside the panel of between 113°C and 176°C.
For other mounting configurations, please contact us.



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) SB 3 bars and with screws.



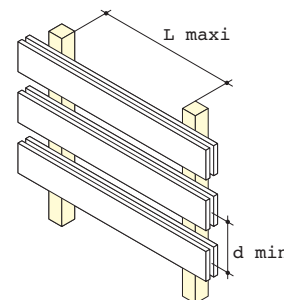
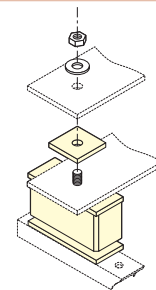
Ordering guide

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

Characteristics

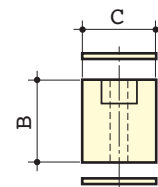
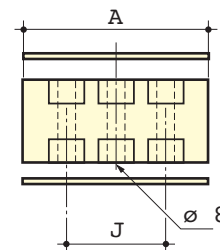
peak I_{sc}	L max. (support bars in mm) for						
	24 kA	48 kA	63 kA	82 kA	114 kA		
rms I_{sc}	12 kA	23 kA	30 kA	39 kA	52 kA		
Bar x qty						d min. (mm)	Iz (A) ⁽¹⁾
32 x 5 x 2	1000	1000	925	700	500	70	580
40 x 5 x 2	1000	1000	1000	1000	1000	70	700
50 x 5 x 2	1000	1000	1000	925	675	75	850
63 x 5 x 2	1000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

(1) Admissible busbar nominal current with a temperature inside the panel of between 113°F and 176°F.
For other mounting configurations, please contact us.



Dimensions

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



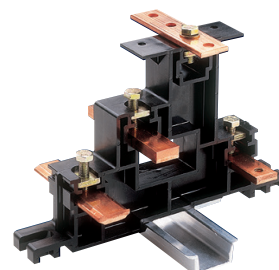
Busbar supports

Busbar

SB E 44 four pole 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

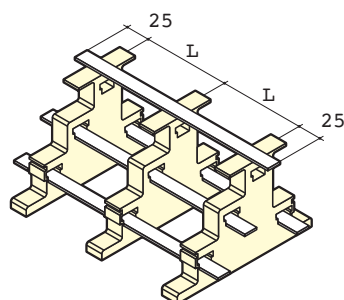
Characteristics

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

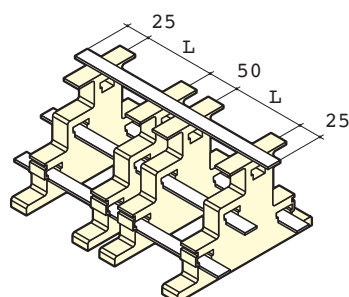
(1) Admissible busbar nominal current with a temperature inside the panel of between 113°F and 176°F.

For other mounting configurations, please contact us. **N.B.:** Iz indicated is for a solid (undrilled) busbar.

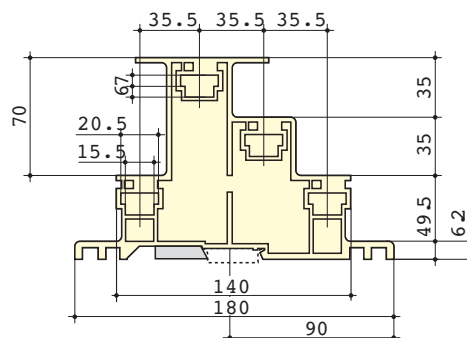
Dimensions



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.

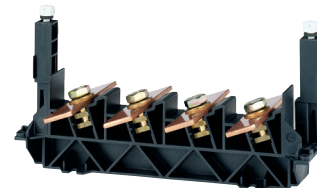
Mounting with elliptical holes: 150 to 170 mm.

■ **SB P 44** four pole 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

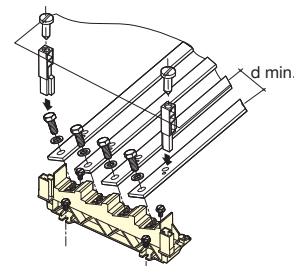
SB P 44: 1 bar of 5 or 10 mm thickness with a width of 20, 25, 30 or 32 mm.
Please note: protection cover not supplied.



sb_170.psd

Characteristics

peak I_{sc}	L max. (support bars in mm) for							
	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							d min. (mm)	Iz (A)
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

