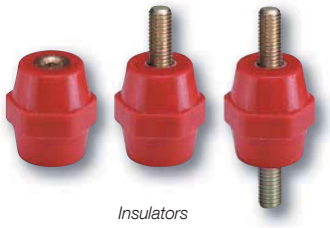
Busbar supports

Busbar

sb_103_a_1_cat

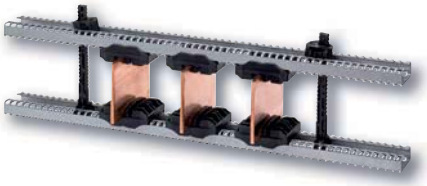


Insulators

sb_077_a_1_cat

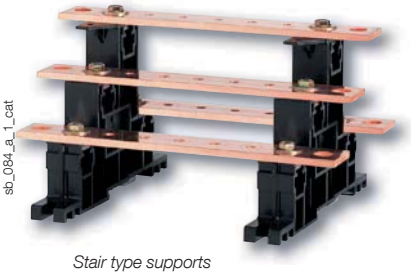
Busbar supports with fixed interphase

sb_195_a_1_cat



Busbar supports with adjustable interphase

sb_084_a_1_cat



Stair type supports

Function

SOCOMEC **insulating busbar supports** allow the fixation of a copper or aluminium bar or busbar.

Characteristics

Insulators

- Polyester without halogene.
- UL94 VO self-extinguishable.
- Colour red RAL 3002.
- Operating temperature from - 40°C 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 support

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

Stair type supports

- Thermoplastic material.
- VO self-extinguishable.
- Insulation voltage: 1000 V.

Software tool for size selection

Mechanical systems is a software which is used to size bar sets. It defines the best bar section and distance between each support for the electrical characteristics of the panel compliant with standard IEC 60439-1. It runs in a Windows® 95, 98, 2000, NT ou XP environment.

The solution for

> Electrical distribution.

Conformity to standards

> IEC 60439-1
> IEC 60865-1

Approvals and certifications(1)

> ASEFA/LCIE

(1) Product reference on request.

Available on request

> Please consult us.

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Selection guide

Edgewise mounting

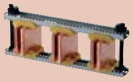
- Busbar supports with **fixed interphase**

I_{cc} up to **120 kA** (short circuit current)

I_{cc} up to **50 kA**

100 A 400 A 500 A 630 A 1000 A 1600 A 2500 A 4000 A 5800 A 7000 A

Nominal current I_n



I_{cc} up to **40 kA**

I_{cc} up to **80 kA**

- Busbar supports with **adjustable interphase**

Flat mounting

- **Unipolar** busbar supports

I_{cc} up to **80 kA**

100 A 400 A 500 A 630 A 1000 A 1600 A 2500 A 4000 A 5800 A 7000 A

Nominal current I_n

I_{cc} up to **50 kA**

I_{cc} up to **80 kA**

- **Multipolar** busbar supports

Other supports

- **Unipolar** busbar supports

I_{cc} up to **50 kA**

1. ***Hexagonal insulators*** p. 575
2. ***SB 1*** and ***SB 2*** p. 578
3. ***SB 3*** p. 579

100 A 400 A 500 A 630 A 1000 A 1600 A 2500 A 4000 A 5800 A 7000 A

Nominal current I_n

4. ***SB E 44*** p. 580
5. ***SB P 10*** p. 581
6. ***SB P 44*** p. 581

I_{cc} up to **40 kA**

I_{cc} up to **40 kA**

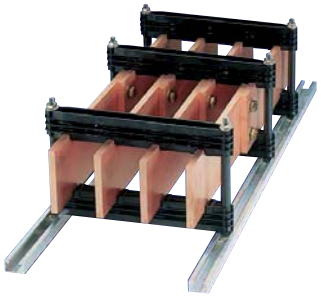
- **Tetrapolar** busbar supports

SB C 10 Multipolar flat 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	1000	2 x 5 / 1 x 10	160	25	1	5024 **6304**
3	1000	2 x 5 / 1 x 10	160	40	1	5024 **6309**
3	1000	2 x 5 / 1 x 10	190	50	1	5024 **6310**
3	1000	2 x 5 / 1 x 10	190	60	1	5024 **6312**
3	1000	2 x 5 / 1 x 10	190	63	1	5024 **6313**
3	1000	2 x 5 / 1 x 10	220	80	1	5024 **6317**
4	1000	2 x 5 / 1 x 10	160	25	1	5024 **6504**
4	1000	2 x 5 / 1 x 10	160	40	1	5024 **6509**
4	1000	2 x 5 / 1 x 10	190	50	1	5024 **6510**
4	1000	2 x 5 / 1 x 10	190	60	1	5024 **6512**
4	1000	2 x 5 / 1 x 10	190	63	1	5024 **6513**
4	1000	2 x 5 / 1 x 10	220	80	1	5024 **6517**
4	1000	2 x 5 / 1 x 10	220	100	1	5024 **6518**


sb_061_b_2_cat

Bar holder

Number of bars max x bar thickness (mm)	No. of poles	Pack qty	Reference
2 x 5 / 1 x 10	3	1	5024 **9031**(1)
2 x 5 / 1 x 10	4	1	5024 **9041**(1)

(1) Bar holder: 1 support without insert + 2 screws M8 + 2 nuts.

Installation corner piece

Type	For enclosure D (mm)	Pack qty	Reference
For bar holder SB C 10 / SB C 20	Min 400	1	5024 **9000**
For bar holder SB C 10 / 20 / 30	Min 600	1	5024 **9001**

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	800	1 x 10 / 2 x 10	160	25	1	5024 **6404**
3	800	1 x 10 / 2 x 10	160	40	1	5024 **6409**
3	800	1 x 10 / 2 x 10	190	50	1	5024 **6410**
3	800	1 x 10 / 2 x 10	190	60	1	5024 **6412**
3	800	1 x 10 / 2 x 10	190	63	1	5024 **6413**
3	800	1 x 10 / 2 x 10	220	80	1	5024 **6417**
3	800	1 x 10 / 2 x 10	220	100	1	5024 **6418**
4	1000	1 x 10 / 2 x 10	160	25	1	5024 **6604**
4	1000	1 x 10 / 2 x 10	160	40	1	5024 **6609**
4	1000	1 x 10 / 2 x 10	190	50	1	5024 **6610**
4	1000	1 x 10 / 2 x 10	190	60	1	5024 **6612**
4	1000	1 x 10 / 2 x 10	190	63	1	5024 **6613**
4	1000	1 x 10 / 2 x 10	220	80	1	5024 **6617**
4	1000	1 x 10 / 2 x 10	220	100	1	5024 **6618**


sb_174_a_2_cat

Bar holder

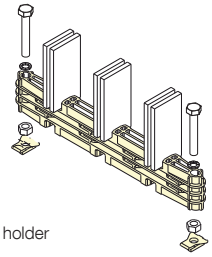
Number of bars max x bar thickness (mm)	No. of poles	Pack qty	Reference
1 x 10 / 2 x 10	3	1	5024 **9034**(1)
1 x 10 / 2 x 10	4	1	5024 **9044**(1)

(1) Bar holder: 1 support without insert + 2 screws M8 + 2 nuts.

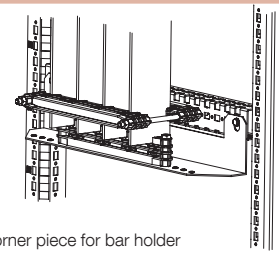
Installation corner piece

Type	For enclosure D (mm)	Pack qty	Reference
For bar holder SB C 10 / SB C 20	Min 400	1	5024 **9000**
For bar holder SB C 10 / 20 / 30	Min 600	1	5024 **9001**

Accessories


sb_094_a_1_x_cat

Bar holder


sb_177_a_1_x_cat

Installation corner piece for bar holder

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Characteristics

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

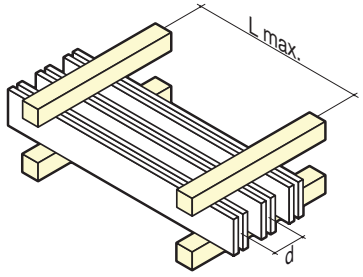
peak I_{sc} / rms I_{sc} / Bar x no.	Max. L (distance between centres of supports in mm) for 15 kA / 9 kA	24 kA / 12 kA	48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	d (mm)	Iz (A)(1)
25 x 5 x 1	775	475	225	175	140	100	60	330
25 x 5 x 2	675	425	200	160	125		60	590
40 x 5 x 1	1000	625	300	225	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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.

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

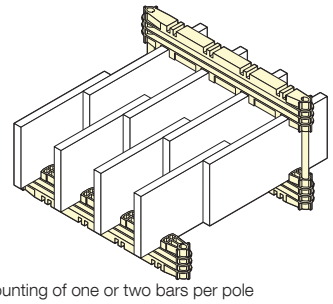
peak I_{sc} / rms I_{sc} / Bar x no.	Max. L (distance between centres of supports in mm) for 15 kA / 9 kA	24 kA / 12 kA	48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	d (mm)	Iz (A)(1)
25 x 10 x 1	1000	1000	500	375	275	200	65	
25 x 10 x 2	1000	1000	525	400	300	200	90	850
40 x 10 x 1	1000	1000	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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.

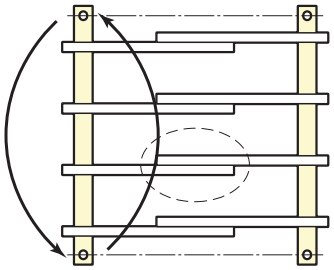


sb_021_b_1_gb_cat

Adhering to the **maximum distances** between two supports ensures the busbar supports are able to withstand the given short circuit current values. At these values, deformation of the copper bars may occur. These deformations are permitted by standard IEC 60439-1 as long as they adhere to the insulation distances.


sb_054_b_1_x_cat

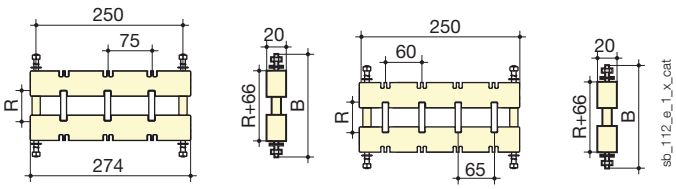
Mounting of one or two bars per pole


sb_045_b_1_x_cat

Bars joined by reversing a support

Dimensions

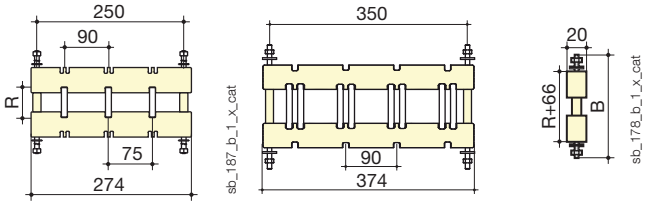
2 bars of 5 mm or 1 bar of 10 mm



sb_112_e_1_x_cat

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

1 or 2 bars of 10 mm



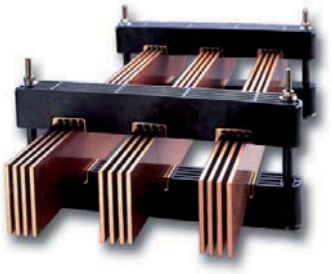
sb_187_b_1_x_cat
sb_178_b_1_x_cat

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.

SB C 20 Multipolar flat mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	No. of bars	Thickness of the bar (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3	1000	1 ... 4	5	190	50	1	5024 **8310**
3	1000	1 ... 4	5	190	60	1	5024 **8312**
3	1000	1 ... 4	5	190	63	1	5024 **8313**
3	1000	1 ... 4	5	220	80	1	5024 **8317**
3	1000	1 ... 4	5	220	100	1	5024 **8318**
3	1000	1 ... 4	5	245	120	1	5024 **8320**
3	1000	1 ... 4	5	245	125	1	5024 **8321**
3	1000	1 ... 4	5	280	160	1	5024 **8324**
3	1000	1 ... 2	10	190	50	1	5024 **7310**
3	1000	1 ... 2	10	190	60	1	5024 **7312**
3	1000	1 ... 2	10	190	63	1	5024 **7313**
3	1000	1 ... 2	10	220	80	1	5024 **7317**
3	1000	1 ... 2	10	220	100	1	5024 **7318**
3	1000	1 ... 2	10	245	120	1	5024 **7320**
3	1000	1 ... 2	10	245	125	1	5024 **7321**
3	1000	1 ... 2	10	280	160	1	5024 **7324**
4	1000	1 ... 4	5	190	50	1	5024 **8410**
4	1000	1 ... 4	5	190	60	1	5024 **8412**
4	1000	1 ... 4	5	190	63	1	5024 **8413**
4	1000	1 ... 4	5	220	80	1	5024 **8417**
4	1000	1 ... 4	5	220	100	1	5024 **8418**
4	1000	1 ... 4	5	245	120	1	5024 **8420**
4	1000	1 ... 4	5	245	125	1	5024 **8421**
4	1000	1 ... 4	5	280	160	1	5024 **8424**
4	1000	1 ... 2	10	190	50	1	5024 **7410**
4	1000	1 ... 2	10	190	60	1	5024 **7412**
4	1000	1 ... 2	10	190	63	1	5024 **7413**
4	1000	1 ... 2	10	220	80	1	5024 **7417**
4	1000	1 ... 2	10	220	100	1	5024 **7418**
4	1000	1 ... 2	10	245	120	1	5024 **7420**
4	1000	1 ... 2	10	245	125	1	5024 **7421**
4	1000	1 ... 2	10	280	160	1	5024 **7424**



sb_077_a_1_cat

Bar holder

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

(1) Bar holder: 1 support without insert + 2 screws M8 + 2 nuts.

Installation corner piece

Type	For enclosure D (mm)	To be ordered in multiples of	Reference
For bar holder SB C 10 / SB C 20	Min 400	1	5024 **9000**
For bar holder SB C 10 / 20 / 30	Min 600	1	5024 **9001**

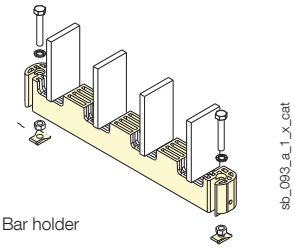
Our advantages

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

Threaded rods and M8 nuts.

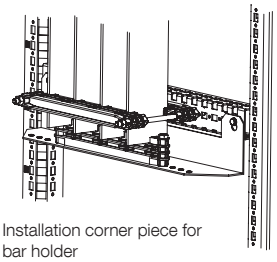
SB C 20
Threaded holes

Accessories



sb_093_a_1_x_cat

Bar holder



sb_177_a_1_x_cat

Installation corner piece for bar holder

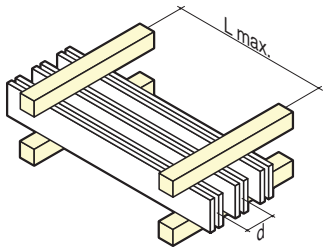
socomec
Innovative Power Solutions

Characteristics

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

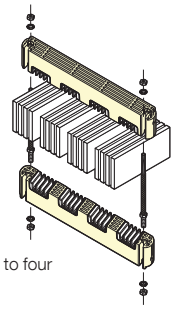
peak I_{sc} / rms I_{sc}	Max. L (distance between centres of supports in mm) for 63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	152 kA / 69 kA	165 kA / 75 kA	187 kA / 85 kA	220 kA / 100 kA	264 kA / 120 kA	d (mm)	Iz (A)(1)
Bar x no.										
50 x 5 x 1	625	475	350	250	225	200	175	150	90	600
50 x 5 x 2	525	400	300	225	200	175	155	130	90	1050
50 x 5 x 3	600	450	325	250	225	200	175	145	90	1450
50 x 5 x 4	675	525	375	275	250	225	175	160	90	1850
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	1200
60 x 5 x 3	675	525	375	275	250	225	175	165	90	1700
60 x 5 x 4	750	575	400	300	275	250	200	175	90	2150
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	1250
63 x 5 x 3	700	525	375	275	250	225	200	170	90	1800
63 x 5 x 4	775	600	425	325	275	250	200	175	90	2250
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	1550
80 x 5 x 3	800	625	450	325	300	275	225	175	90	2200
80 x 5 x 4	875	675	475	350	325	300	250	200	90	2750
100 x 5 x 1	900	700	500	375	350	300	250	200	90	1100
100 x 5 x 2	850	650	475	350	325	275	225	200	90	1900
100 x 5 x 3	925	700	500	375	350	300	250	200	90	2650
100 x 5 x 4	975	750	525	400	375	325	275	225	90	3350
125 x 5 x 1	1000	800	575	425	400	350	300	250	90	1300
125 x 5 x 2	975	750	550	400	375	325	275	225	90	2350
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	4100

(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



sb_021_b_1_x_cat

Adhering to the **maximum distances** between two supports ensures the busbar supports are able to withstand the given short circuit current values. At these values, deformation of the copper bars may occur. These deformations are permitted by standard IEC 60439-1 as long as they adhere to the insulation distances.

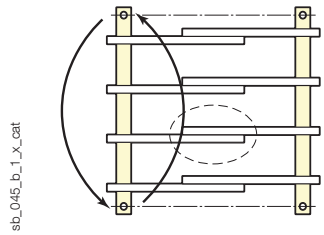

sb_063_a_1_x_cat

Mounting of one to four bars per pole

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

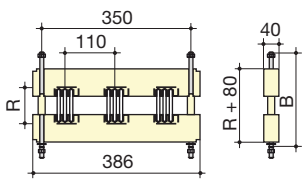
peak I_{sc} / rms I_{sc}	Max. L (distance between centres of supports in mm) for 63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	152 kA / 69 kA	165 kA / 75 kA	187 kA / 85 kA	220 kA / 100 kA	264 kA / 120 kA	d (mm)	Iz (A)(1)
Bar x no.										
50 x 10 x 1	1000	925	675	500	450	400	350	275	90	850
50 x 10 x 2	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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.


sb_045_b_1_x_cat

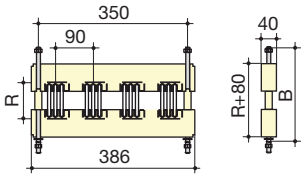
Bars joined by reversing a support

Dimensions



Fixed interphase:
- 3 poles: 110 mm

sb_066_c_1_x_cat



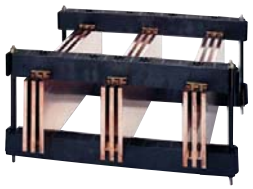
- 4 poles: 90 mm

sb_067_c_1_x_cat

SB C 30 Multipolar flat mounting busbar supports with fixed interphase

References

No. of poles	Insulation voltage (VAC)	No. of bars	Thickness of the bar (mm)	B (mm)	R bar height (mm)	Pack qty	Reference
3	1000	1 ... 3	10	190	50	1	5024 **5310**
3	1000	1 ... 3	10	190	60	1	5024 **5312**
3	1000	1 ... 3	10	190	63	1	5024 **5313**
3	1000	1 ... 3	10	190	70	1	5024 **5315**
3	1000	1 ... 3	10	220	80	1	5024 **5317**
3	1000	1 ... 3	10	220	100	1	5024 **5318**
3	1000	1 ... 3	10	245	120	1	5024 **5320**
3	1000	1 ... 3	10	245	125	1	5024 **5321**
3	1000	1 ... 3	10	280	160	1	5024 **5324**
3	1000	1 ... 3	10	325	200	1	5024 **5325**
4	1000	1 ... 3	10	190	50	1	5024 **5510**
4	1000	1 ... 3	10	190	60	1	5024 **5512**
4	1000	1 ... 3	10	190	63	1	5024 **5513**
4	1000	1 ... 3	10	190	70	1	5024 **5515**
4	1000	1 ... 3	10	220	80	1	5024 **5517**
4	1000	1 ... 3	10	220	100	1	5024 **5518**
4	1000	1 ... 3	10	245	120	1	5024 **5520**
4	1000	1 ... 3	10	245	125	1	5024 **5521**
4	1000	1 ... 3	10	280	160	1	5024 **5524**
4	1000	1 ... 3	10	325	200	1	5024 **5525**



sb_173_a_2_cat

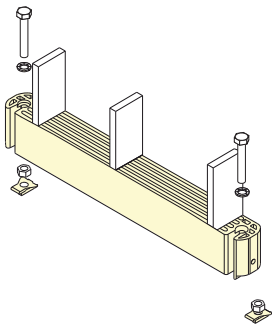
Bar holder		
No. of poles	**Pack qty**	**Reference**
3 / 4	1	5024 **9033**(1)

(1) Bar holder: 1 support without insert + 2 screws M8 + 2 nuts.

Installation corner piece			
Type	**For enclosure D (mm)**	**Pack qty**	**Reference**
For bar holder SB C 10 / SB C 2030[1]	Min 600	1	5024 **9001**

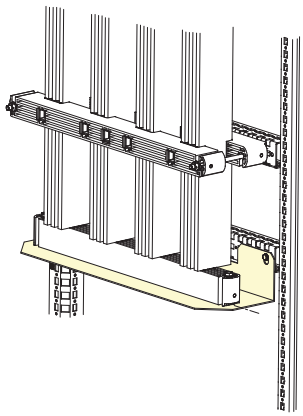
(1) For enclosure D ≥ 400 mm.

Accessories



Bar holder

sb_122_b_1_x_cat



Installation corner piece for bar holder

sb_180_a_1_x_cat

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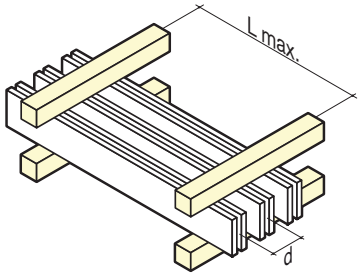
Characteristics

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

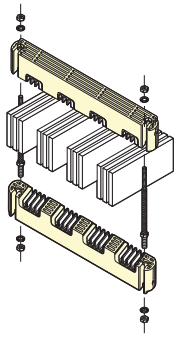
peak I_{sc} / rms I_{sc}	Max. L (distance between centres of supports in mm) for 63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	152 kA / 69 kA	165 kA / 75 kA	187 kA / 85 kA	220 kA / 100 kA	264 kA / 120 kA	d (mm)	Iz (A)(1)
Bar x no.										
50 x 10 x 1	1000	1000	800	600	550	475	400	350	130	850
50 x 10 x 2	1000	900	650	475	450	400	325	275	130	1550
50 x 10 x 3	725	550	400	300	275	225	200	175	130	2150
60 x 10 x 1	1000	1000	875	650	600	525	450	375	130	1000
60 x 10 x 2	1000	1000	725	525	500	425	375	300	130	1800
60 x 10 x 3	825	625	450	325	300	275	225	175	130	2500
63 x 10 x 1	1000	1000	900	675	600	550	450	375	130	1050
63 x 10 x 2	1000	1000	725	550	500	450	375	300	130	1850
63 x 10 x 3	850	650	450	350	325	275	225	200	130	2600
80 x 10 x 1	1000	1000	1000	750	675	600	500	425	130	1300
80 x 10 x 2	1000	1000	825	625	575	500	425	350	130	2300
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	1550
100 x 10 x 2	1000	1000	925	675	625	550	475	400	130	2750
100 x 10 x 3	1000	900	650	475	425	375	325	275	130	3250
125 x 10 x 1	1000	1000	1000	925	850	750	625	525	130	1900
125 x 10 x 2	1000	1000	1000	750	675	600	500	425	130	3350
125 x 10 x 3	1000	1000	750	550	525	450	375	325	130	4650
160 x 10 x 1	1000	1000	1000	1000	925	825	700	575	130	2350
160 x 10 x 2	1000	1000	1000	750	700	625	525	425	130	4150
160 x 10 x 3	1000	1000	900	675	625	550	475	375	130	5800
200 x 10 x 1	1000	1000	1000	1000	1000	900	750	625	130	2850
200 x 10 x 2	1000	1000	925	700	625	550	475	400	130	5050
200 x 10 x 3	1000	1000	725	525	500	425	375	300	130	7000

(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



sb_021_b_1_x_cat

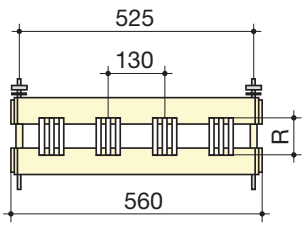
Adhering to the **maximum distances** between two supports ensures the busbar supports are able to withstand the given short circuit current values. At these values, deformation of the copper bars may occur. These deformations are permitted by standard IEC 60439-1 as long as they adhere to the insulation distances.



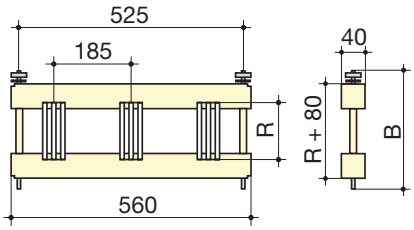
sb_162_a_1_x_cat

Mounting of one to three bars per pole

Dimensions



sb_157_d_1_x_cat



sb_146_d_1_x_cat

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

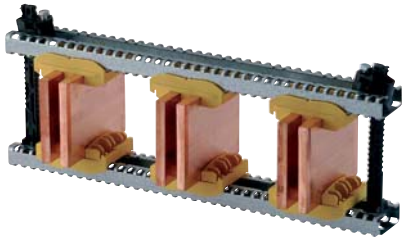
Our advantages

> The details which make a difference SB C 30 busbar supports have threaded holes which allow a protective screen to be attached.

■ *SB C ER* Multipolar edgewise mounting busbar supports with adjustable interphase

References

Description of accessories	Thickness of the bar (mm)	No. of poles	Length	Quantity	To be ordered in multiples of	Reference
Slot for 5 mm bars	5	3		6(1)	8	5025 **5105**
Slot for 5 mm bars	5	4		8(1)	8	5025 **5105**
Slot for 10 mm bars	10	3		6(1)	4	5025 **5110**
Slot for 10 mm bars	10	4		8(1)	4	5025 **5110**
Rod kit (bar height 25 to 200 mm)				2(1)	4	5025 **5100**
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 cabinet(2)			525	1(1)	1	5025 **5130**



Order guide

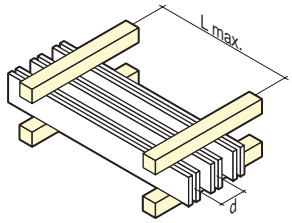
- With three poles, order: 6 x studs, 2 x rods, 2 x profiles.
- With four poles, order: 8 x studs, 2 x rods, 2 x profiles.

(1) Quantity necessary to make 1 busbar support
(2) Kit of 2 profiles and 4 square fixings.

Characteristics

peak I_{sc} / rms I_{sc}	Max. L (distance between centres of supports in mm) for 24 kA / 12 kA	48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	d min. (mm)	Iz (A)(1)
Bar x no.							
50 x 5 x 1	975	475	350	275		75	600
50 x 5 x 2	900	450	325	250	175	75	1050
50 x 5 x 3	1000	525	400	300	200	75	1450
63 x 5 x 1	1000	550	425	325	200	75	700
63 x 5 x 2	1000	525	400	300	200	75	1250
63 x 5 x 3	1000	625	475	350	200	75	1800
80 x 5 x 1	1000	625	475	375	225	75	900
80 x 5 x 2	1000	625	475	375	225	75	1250
80 x 5 x 3	1000	725	550	425	225	75	2200
100 x 5 x 1	1000	725	550	425	225	75	1100
100 x 5 x 2	1000	750	575	425	225	75	1900
100 x 5 x 3	1000	875	650	450	225	75	2650
125 x 5 x 1	1000	850	650	500	250	75	1300
125 x 5 x 2	1000	900	675	500	250	75	2350
125 x 5 x 3	1000	1000	800	500	250	75	3250
50 x 10 x 1	1000	975	700	400	200	75	850
50 x 10 x 2	1000	950	675	400	200	75	1550
63 x 10 x 1	1000	1000	725	425	200	75	1050
63 x 10 x 2	1000	1000	700	400	200	75	1850
80 x 10 x 1	1000	1000	750	450	225	75	1300
80 x 10 x 2	1000	1000	750	425	225	75	2300
100 x 10 x 1	1000	1000	800	475	225	75	1550
100 x 10 x 2	1000	1000	800	450	225	75	2750
125 x 10 x 1	1000	1000	850	500	250	75	1900
125 x 10 x 2	1000	1000	850	500	250	75	3350

(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



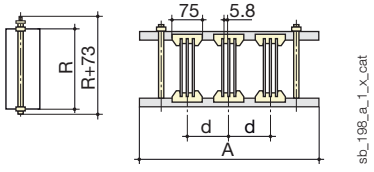
Adhering to the **maximum distances** between two supports ensures the busbar supports are able to withstand the given short circuit current values. At these values, deformation of the copper bars may occur. These deformations are permitted by standard IEC 60439-1 as long as they adhere to the insulation distances.

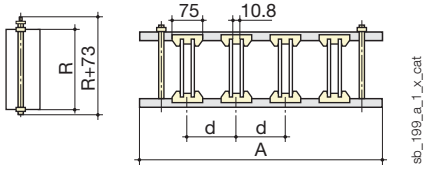
Dimensions

Mounting

- 1 to 3 bars, 5 mm thick, per pole.
- 1 or 2 bars, 10 mm thick, per pole.
- Interphase distance: min 75 mm and max 200 mm.
- Use 2 rods positioned symmetrically on the outside of the poles or between the outermost poles.

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





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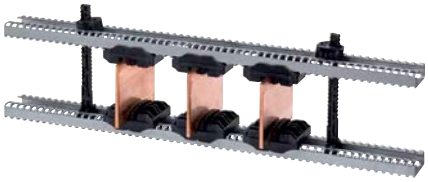
SB C ER Power Multipolar edgewise mounting busbar supports with adjustable interphase for high output

References

Description of accessories	Thickness of the bar (mm)	No. of poles	Length	Quantity	To be ordered in multiples of	Reference
Slot for 5 mm bars	5	3		6(1)	8	5025 **5205**
Slot for 5 mm bars	5	4		8(1)	8	5025 **5205**
Slot for 10 mm bars	10	3		6(1)	4	5025 **5210**
Slot for 10 mm bars	10	4		8(1)	4	5025 **5210**
Rod kit (bar height 25 to 200 mm)				2(1)	4	5025 **5100**
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 cabinet(2)			525	1(1)	1	5025 **5130**



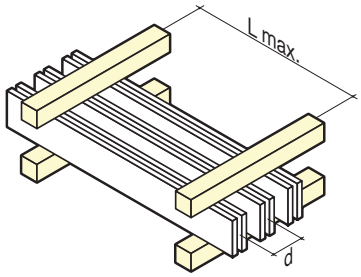
Order guide

- With three poles, order: 6 x studs, 2 x rods, 2 x profiles.
- With four poles, order: 8 x studs, 2 x rods, 2 x profiles.

(1) Quantity necessary to make 1 busbar support
(2) Kit of 2 profiles and 4 square fixings.

Characteristics

peak I_{sc} / rms I_{sc} / Bar x no.	Max. L (distance between centres of supports in mm) for 82 kA / 39 kA	114 kA / 52 kA	152 kA / 69 kA	165 kA / 75 kA	187 kA / 85 kA	d min. (mm)	Iz (A)(1)
50 x 5 x 1	275					75	600
50 x 5 x 2	250	175	140	130	115	75	1050
50 x 5 x 3	300	200	165	150	135	75	1450
63 x 5 x 1	325	225				75	700
63 x 5 x 2	300	225	165	155	135	75	1250
63 x 5 x 3	350	250	175	175	160	75	1800
80 x 5 x 1	375	250	200			75	900
80 x 5 x 2	375	250	200	175	160	75	1550
80 x 5 x 3	425	300	225	200	175	75	2200
100 x 5 x 1	425	300	225	200	175	75	1100
100 x 5 x 2	425	300	225	200	175	75	1900
100 x 5 x 3	500	350	275	250	200	75	2650
125 x 5 x 1	500	350	250	250	200	75	1300
125 x 5 x 2	525	375	275	250	225	75	2350
125 x 5 x 3	600	425	325	275	225	75	3250
80 x 10 x 1	750	525	300	250	200	75	1300
80 x 10 x 2	775	525	300	250	175	75	2300
100 x 10 x 1	850	575	300	250	200	75	1550
100 x 10 x 2	900	550	300	250	200	75	2750
125 x 10 x 1	1000	600	325	275	225	75	1900
125 x 10 x 2	1000	600	325	275	225	75	3350
160 x 10 x 1	1000	675	375	325	250	75	2350
160 x 10 x 2	1000	675	375	325	250	75	4150



Adhering to the **maximum distances** between two supports ensures the busbar supports are able to withstand the given short circuit current values. At these values, deformation of the copper bars may occur. These deformations are permitted by standard IEC 60439-1 as long as they adhere to the insulation distances.

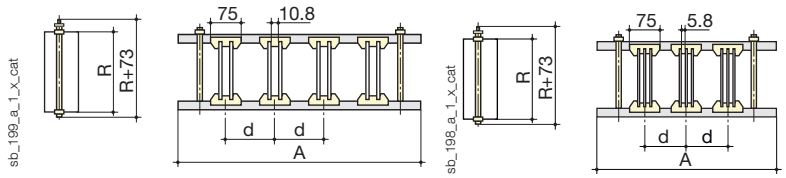
(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.

Dimensions

Mounting

- 1 to 3 bars, 5 mm thick, per pole.
- 1 or 2 bars, 10 mm thick, per pole.
- Interphase distance: min 75 mm and max 200 mm.
- Use 2 rods positioned symmetrically on the outside of the poles or between the outermost poles.

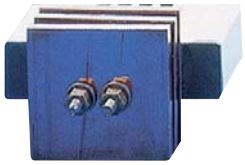
A (mm)	Enclosure (mm)
380	400
480	500
580	600
780	800



SB 205 - SB 306 Unipolar flat mounting busbar support

References

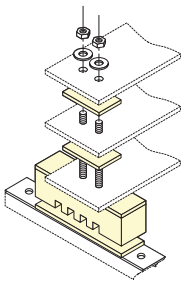
Support	Insulation voltage (VAC)	No. of bars	Bar width (mm)	To be ordered in multiples of	Reference
SB 205	1000	1 ... 3	100	6	5022 **5110**
SB 306	1000	1 ... 3	160	6	5023 **6110**

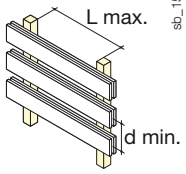


Characteristics

Support	Bar x no.	Max. L (distance between centres of supports in mm) for peak I_{sc} / rms I_{sc} 48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	152 kA / 69 kA	165 kA / 75 kA	d min. (mm)	Iz (A)(1)
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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



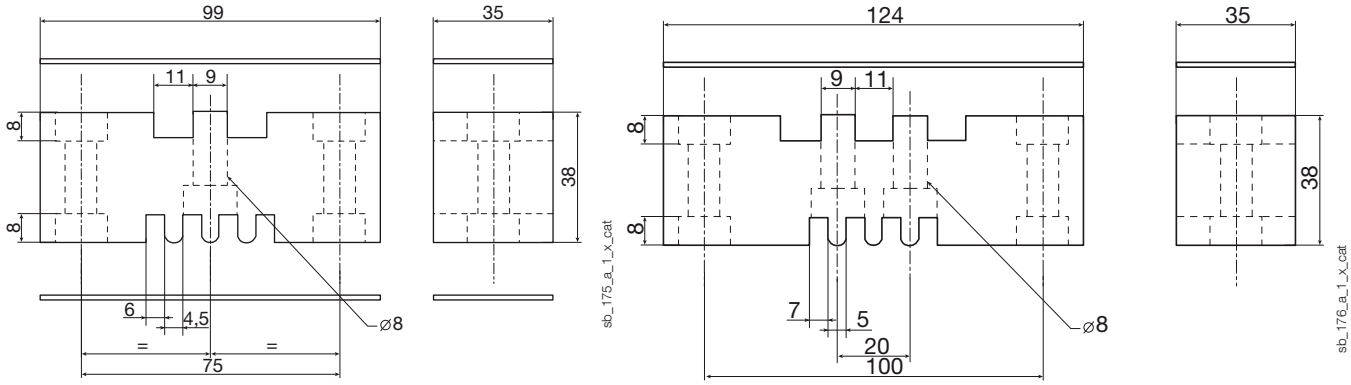


sb_152_a_1_x_cat

Mounting

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

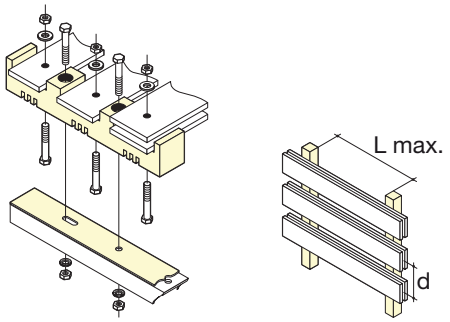
References

No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
3	1000	40-50	1	5027 **5310**
4	1000	40-50	1	5027 **5410**

sb_136_a_3_cat

Characteristics

	Max. L (distance between centres of supports in mm) for							
peak I_{sc}	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 no.							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

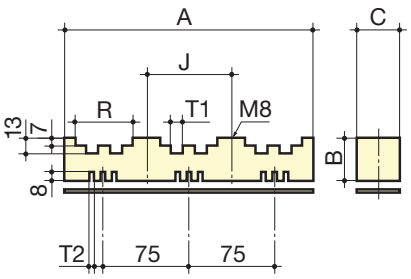


sb_153_b_1_x_cat

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	220	38	35	75	52.5	11	6
4	295	38	35	75	52.5	11	6



sb_149_a_1_x_cat

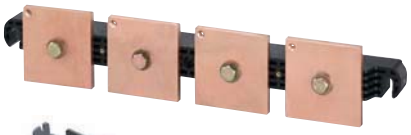
SB P 30 Multipolar flat mounting busbar supports with fixed interphase

References

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

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

Bar fixing screws Description of accessories	To be ordered in multiples of	Reference
Headless screw for attaching 1 thickness of bar	25	5119 **4601**
Headless screw for attaching 2 thicknesses of bar	25	5119 **4602**
Headless screw for attaching 3 thicknesses of bar	25	5119 **4603**


sb_123_a_3_cat


sb_211_a_1_cat

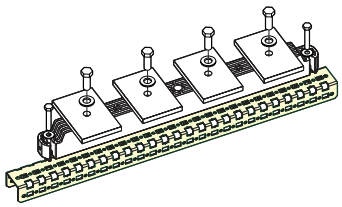

sb_210_a_1_cat

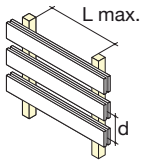
Characteristics

d = 123 mm

peak I_{sc} / rms I_{sc} / Bar x no.	Max. L (distance between centres of supports in mm) for 63 kA / 30 kA	84 kA / 40 kA	110 kA / 50 kA	143 kA / 65 kA	165 kA / 75 kA	176 kA / 80 kA	187 kA / 85 kA	220 kA / 100 kA	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	2 300
80 x 10 x 3	1000	950	525	300	225	200	175	130	123	3 200

peak I_{sc} / rms I_{sc} / Bar x no.	Max. L (distance between centres of supports in mm) for 63 kA / 30 kA	84 kA / 40 kA	110 kA / 50 kA	143 kA / 65 kA	165 kA / 75 kA	176 kA / 80 kA	187 kA / 85 kA	220 kA / 100 kA	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


sb_160_a_1_x_cat

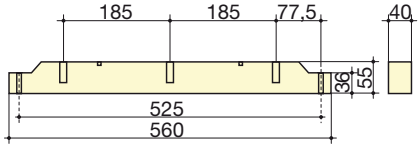


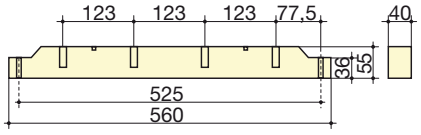
sb_200_a_1_x_cat

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.

Dimensions





sb_154_c_1_x_cat

■ *Hexagonal insulators* Unipolar flat mounting busbar support

Female to female hexagonal insulator

References

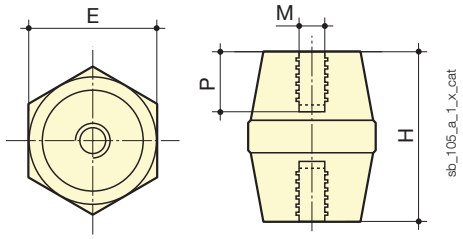
Height H (mm)	Insert M	Depth D (mm)	Diameter E (mm)	Pack qty	Reference
20	M4	4	19	1	5031 **2004**
20	M6	4	19	1	5031 **2006**
25	M6	5	21	1	5031 **2506**
30	M6	6	33	1	5031 **3006**
30	M8	8	33	1	5031 **3008**
35	M6	8	33	1	5031 **3506**
35	M8	8	33	1	5031 **3508**
35	M10	8	33	1	5031 **3510**
40	M8	10	40	1	5031 **4008**
40	M10	10	40	1	5031 **4010**
45	M8	10	41	1	5031 **4508**
45	M10	10	41	1	5031 **4510**
50	M8	14	46	1	5031 **5008**
50	M10	14	46	1	5031 **5010**
50	M12	14	46	1	5031 **5012**
60	M10	14	50	1	5031 **6010**
65	M10	18	55	1	5031 **6510**
70	M12	25	55	1	5031 **7012**

sb_104_a_2_cat

Characteristics

Height H (mm)	Insert M	Nominal voltage (V) AC/DC	Insulation voltage (VAC) 50 Hz 1 min	Peak	Mechanical characteristics (daN) Flexion	Tention	Max. tightening torque (Nm)
20(1)	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

(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



sb_105_a_1_x_cat

Male to female high withstand insulator

References

Height H (mm)	Insert M	Depth D (mm)	Diameter E (mm)	Length W (mm)	Pack qty	Reference
16	M4	5	14	10	1	5038 **1604**
16	M5	5	14	10	1	5038 **1605**
25	M5	5	20	10	1	5038 **2505**
25	M6	5	20	10	1	5038 **2506**
35	M8	8	32	15	1	5038 **3508**
35	M10	8	32	30	1	5038 **3510**
50	M8	14	46	25	1	5038 **5008**
50	M10	14	46	30	1	5038 **5010**
60	M10	16	50	25	1	5038 **6010**

sb_106_a_2_cat

Male to male high withstand insulator

References

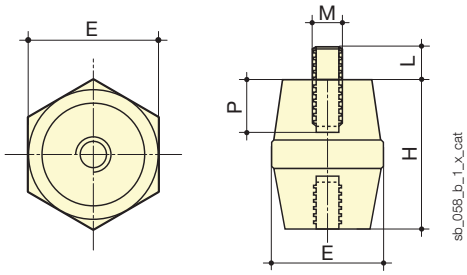
Height H (mm)	Insert M	Diameter E (mm)	Length W (mm)	Pack qty	Reference
16	M4	14	10	1	5039 **1604**
16	M5	14	10	1	5039 **1605**
25	M5	14	10	1	5039 **2505**
25	M6	20	10	1	5039 **2506**
35	M8	32	15	1	5039 **3508**
35	M10	32	30	1	5039 **3510**
50	M8	46	25	1	5039 **5008**
50	M10	46	30	1	5039 **5010**
60	M10	38	25	1	5039 **6010**

sb_107_a_2_cat

Hexagonal insulator male to female and male to male

Characteristics

Height H (mm)	Insert M	Nominal voltage (V) AC/DC	Insulation voltage (VAC) 50 Hz 1 min	Insulation voltage Peak	Mechanical characteristics (daN) Flexion	Mechanical characteristics (daN) Tention	Max. tightening torque (Nm)
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_058_b_1_x_cat

Headless 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

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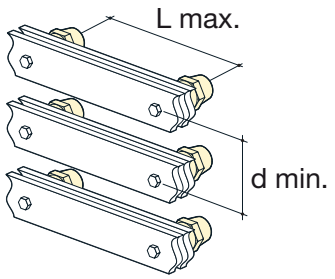
Ensure the busbar is defined

> The indicated short-circuit withstand values will apply if the maximum distances between two supports with hexagonal insulators are maintained. Values according to IEC 60439-1.



sb_164_a_1_X_cat

General characteristics

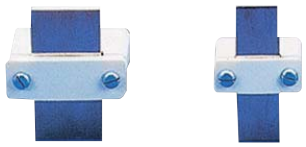
Height H (mm)	Insert M	Bar x no.	Max. L (distance between centres of supports in mm) for peak I_{sc} 24 kA / rms I_{sc} 12 kA	48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	d min. (mm)	Iz (A)(1)
20	M4	15 x 5 x 1	400	100				45	220
20	M4	20 x 5 x 1	400	100				45	280
25	M6	15 x 5 x 1	550	135				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 x1	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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.

SB 1 - SB 2 Multipolar flat mounting busbar support

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**

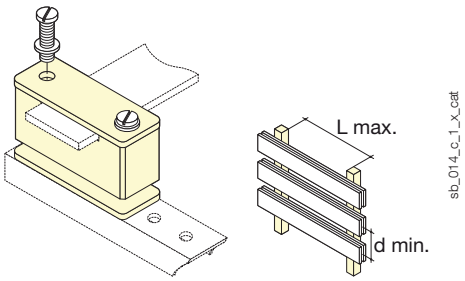


Order guide
SB 1: bar of max. width 25 mm
SB 2: bar of max. width 40 mm

Characteristics

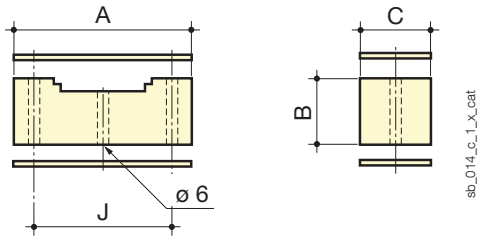
Support	peak I_{sc} / rms I_{sc} Bar x no.	Max. L (distance between centres of supports in mm) for 24 kA / 12 kA	48 kA / 23 kA	63 kA / 30 kA	82 kA / 39 kA	114 kA / 52 kA	d min. (mm)	Iz (A)(1)
SB 1	20 x 3 x 1	650	325	250	175	135	50	210
SB 1	20 x 5 x 1	850	425	325	250	175	50	280
SB 1	25 x 5 x 1	1000	525	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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



Dimensions

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



SB 3 Multipolar flat mounting busbar support

References

Support	Insulation voltage (VAC)	No. of bars	Bar width (mm)	To be ordered in multiples of	Reference
SB 3 bare	690	1 … 2	32-63	6	5023 **0111**
SB 3 pre-equipped(1)	690	1 … 2	32-63	6	5023 **0110**

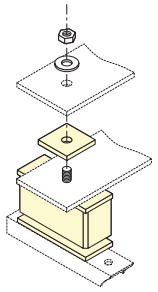
(1) SB3 bare with screws.

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

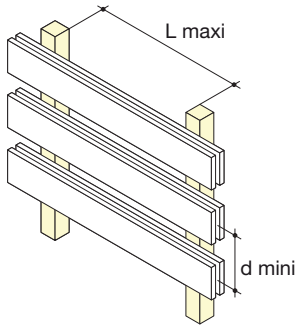
Characteristics

	Max. L (distance between centres of supports in mm) for						
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		
Bar x no.						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 nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us.



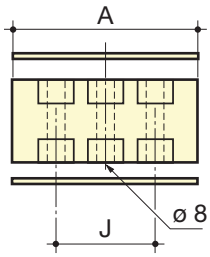
sb_008_a_1_x_cat

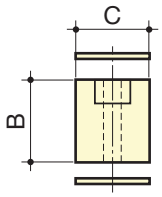


sb_023_b_1_f_cat

Dimensions

Support	A	B	C	J
SB 3 bare	65	32	28	36
SB 3 pre-equipped	65	32	28	36



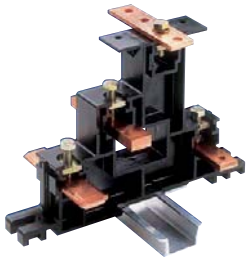


sb_089_b_1_x_cat

■ *SBE 44* 4 pole stair type supports

References

No. of poles	Pack qty	Reference
4	1	5028 **0410**
Description of accessories	**Pack qty**	**Reference**
270 mm long protection cover kit	1	5028 **0411**
420 mm long protection cover kit	1	5028 **0412**
620 mm long protection cover kit	1	5028 **0413**
Kit of 20 adaptation protection cover spacers	1	5028 **0415**

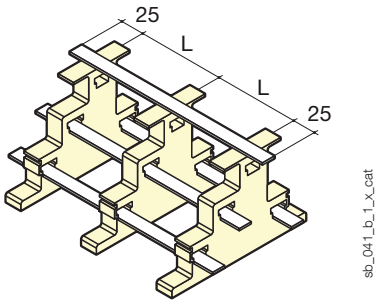


Characteristics

	Max. L (distance between centres of supports in mm) for							
	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	
Support	**Bar x no.**							**Iz (A)**[1]
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

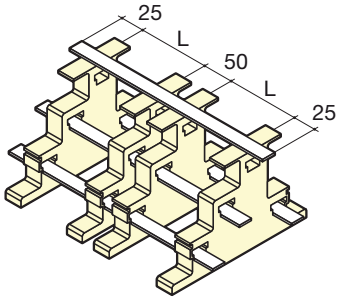
(1) Admissible nominal current for a temperature in the cabinet of 45°C and 80°C for the bars.
Other assembly configurations: please consult us. **Note:** *Iz is given for solid bars only.*

Dimensions



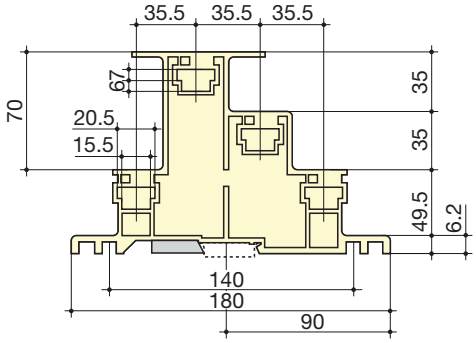
sb_041_b_1_x_cat

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



sb_047_a_1_x_cat

Type 2: Set of busbars including 3 (or more) SB E 44 supports with doubled intermediary supports.



sb_036_e_1_x_cat

Fixation by oblong holes: distance between two holes 150 to 170 mm.

SB P 10 Multipolar flat mounting busbar supports with fixed interphase

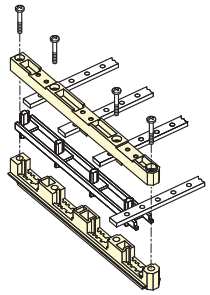
References

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

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

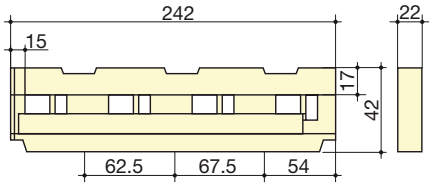
Characteristics

Max. L (distance between centres of supports in mm) for peak I_{sc} / rms I_{sc} Bar x no.	10 kA 6 kA	15 kA 9 kA	24 kA 12 kA	48 kA 23 kA	30 kA	63 kA d min. (mm)	Iz (A)
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_a_1_x_cat

Dimensions



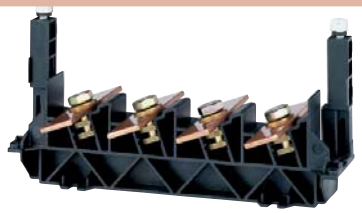
sb_144_a_1_x_cat

SB P 44 4-pole flat mounting busbar support with fixed interphase, for mounting tilted bars

References

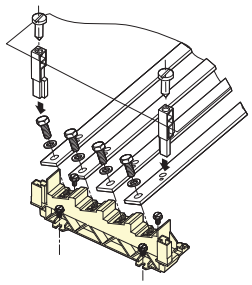
No. of poles	Insulation voltage (VAC)	Bar width (mm)	Pack qty	Reference
4	1000	20-32	1	5026 **0450**

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



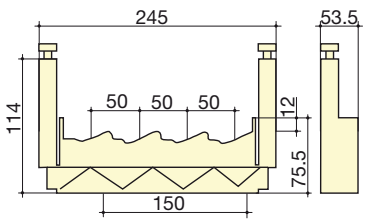
Characteristics

Max. L (distance between centres of supports in mm) for peak I_{sc} / rms I_{sc} Bar x no.	10 kA 6 kA	15 kA 9 kA	24 kA 12 kA	48 kA 23 kA	63 kA 30 kA	39 kA	82 kA 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_b_1_x_cat

Dimensions



sb_147_b_1_x_cat