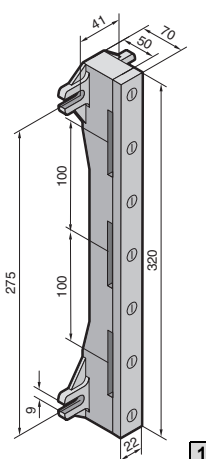
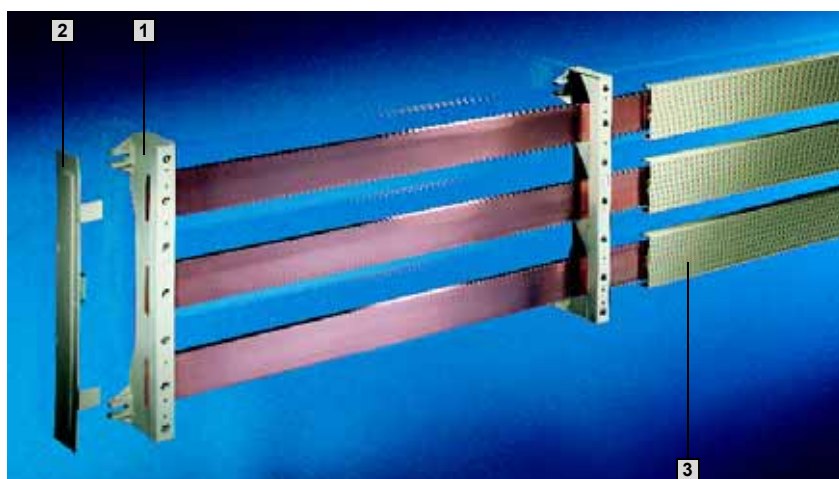


# Busbar systems up to 1250 A (100 mm)

## Busbar support (3-pole)



### Material:

Fibreglass-reinforced, thermoplastic polyester (PBT). Continuous operating temperature max. 140°C. Fire protection corresponding to UL 94-V0.

**Colour:**  
RAL 7035

### Short-circuit protection diagram,

see page 1232.

### Technical information

for the calculation of rated currents, see page 1247.

Design	Packs of	Model No. SV
Number of poles		3-pole
Bar centre distance		100 mm
Max. bar accommodation without inserts		60 x 10 mm
With inserts for bar accommodation		30 x 10 – 50 x 10 mm
Tightening torque		8 – 10 Nm
● Assembly screw		1 – 3 Nm
● Lid attachment		
<b>Model No. SV</b>	4	<b>3073.000</b>
<b>Accessories</b>		
<b>2</b> End covers for side contact hazard protection	10	<b>3083.000</b>
Inserts to adapt the bar dimensions		
30 x 10 mm	24	<b>3074.000</b>
40 x 10 mm	24	<b>3075.000</b>
50 x 10 mm	24	<b>3076.000</b>

## Busbars E-Cu

To DIN EN 13 601.

Length: 2400 mm/bar.

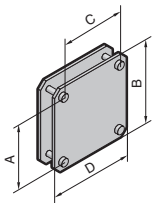
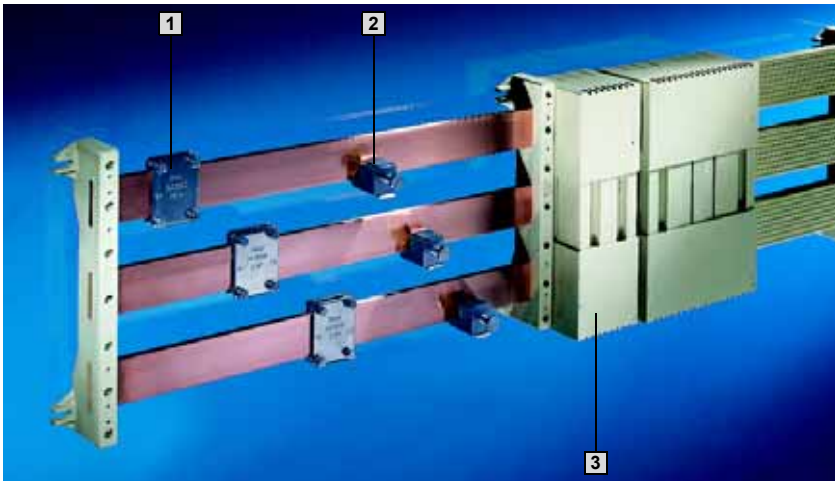
Dimensions in mm	Packs of	Model No. SV	Page
30 x 10 <sup>1)</sup>	6	<b>3586.000<sup>2)</sup></b>	
40 x 10 <sup>1)</sup>	3	<b>3587.000</b>	
50 x 10	3	<b>3588.000</b>	
60 x 10	3	<b>3589.000</b>	
<b>Accessories</b>			
<b>3</b> Busbar cover section (length 1 m/each) for E-Cu			
30 x 10 mm	10	3092.000	408
40 x 10 – 60 x 10 mm	10	3085.000	408

<sup>1)</sup> Other busbar lengths, see page 409.

<sup>2)</sup> Tin-plated version available on request.

# Busbar systems up to 1250 A (100 mm)

## Connection clamps/system covers



### 1 Plate clamps

For connecting laminated copper bars; no drilling required.

**Material:**

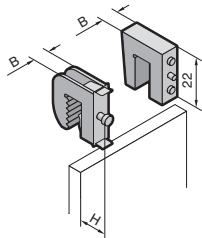
Sheet steel, zinc-plated, passivated.



**Accessories:**

Laminated copper bars, see page 411.

For busbars mm	Clamping area for laminated copper bars mm	Tightening torque Nm	A mm	B mm	C mm	D mm	Packs of	Model No. SV
30 x 10	34 x 10	6 – 8	40	55	40	55	3	<b>3554.000</b>
40 x 10	34 x 10	6 – 8	50	65	40	55	3	<b>3559.000</b>
50 x 10	34 x 10	6 – 8	60	75	40	55	3	<b>3560.000</b>
50 x 10	54 x 10	6 – 8	60	75	60	75	3	<b>3562.000</b>
60 x 10	34 x 10	6 – 8	70	85	40	55	3	<b>3561.000</b>
60 x 10	54 x 10	6 – 8	70	85	60	75	3	<b>3563.000</b>



### 2 Conductor connection clamps

For 10 mm bar thickness.

**Material:**

Sheet steel, zinc-plated, passivated (SV 3455.500 – SV 3459.500), brass (SV 3555.000).

**Note:**

Conductor connection clamps for 5 mm bar thickness, see page 358.

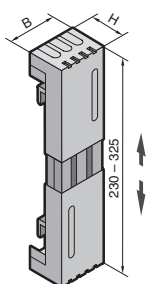


**Accessories:**

Laminated copper bars, see page 411.

Connection of round conductors <sup>1)</sup> mm <sup>2</sup>	Clamping area for laminated copper bars mm	Tightening torque Nm	Width (B) mm	Height (H) mm		Packs of	Model No. SV
				min.	max.		
1 – 4	–	2	8	–	–	15	<b>3555.000</b>
1 – 4	–	2	11	17	23	15	<b>3455.500</b>
2.5 – 16	8 x 8	3	14	22	29	15	<b>3456.500</b>
16 – 50	10.5 x 11	6 – 8	18.5	26	39	15	<b>3457.500</b>
35 – 70	16.5 x 15	10 – 12	24.5	39	57	15	<b>3458.500</b>
70 – 185	22.5 x 20	12 – 15	30.5	44	66	15	<b>3459.500</b>

<sup>1)</sup> Wire end ferrules should be used with fine wire conductors.



### 3 System covers

For conductor connection clamps and plate clamps.

**Material:**

ABS.

Continuous operating temperature max. 80°C. Fire protection corresponding to UL 94-V0.

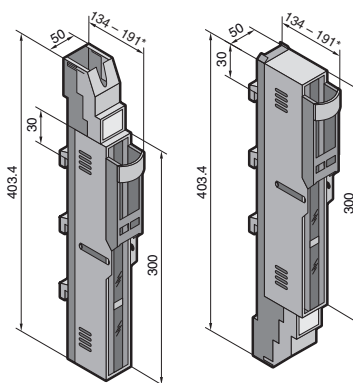
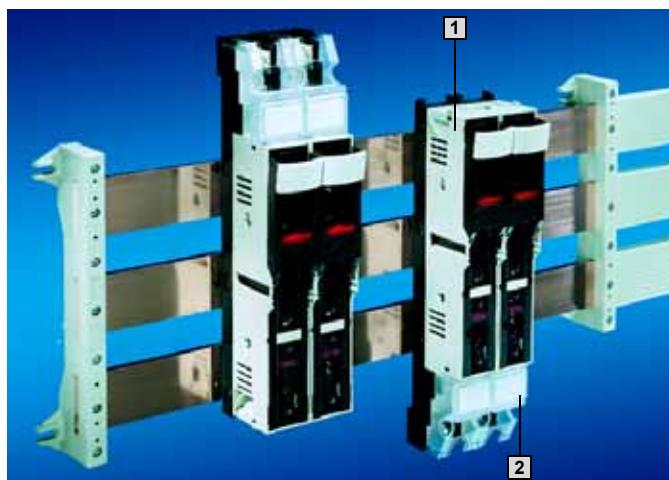
**Colour:**

RAL 7035

Width (B) mm	Height (H) mm	Packs of	Model No. SV
50	80	4	<b>3086.000</b>
100	80	4	<b>3087.000</b>
100	110	4	<b>3090.000</b>
200	80	4	<b>3088.000</b>
200	110	4	<b>3091.000</b>

# Busbar systems up to 1250 A (100 mm)

## NH fused isolator, size 00 (3-pole)



\* Off-load position

### Material:

Cover, strip chassis:  
Fibreglass-reinforced polyamide  
Contact tracks:  
Silver-plated hard copper

### Technical information, see page 1244.

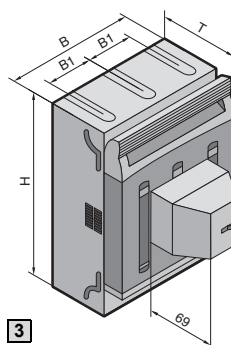
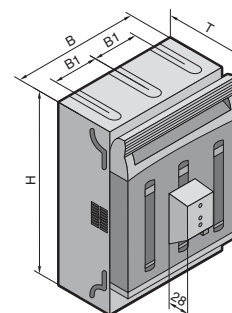
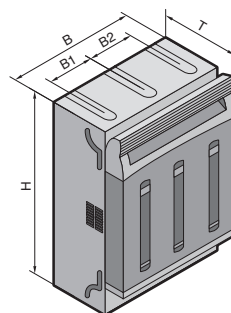
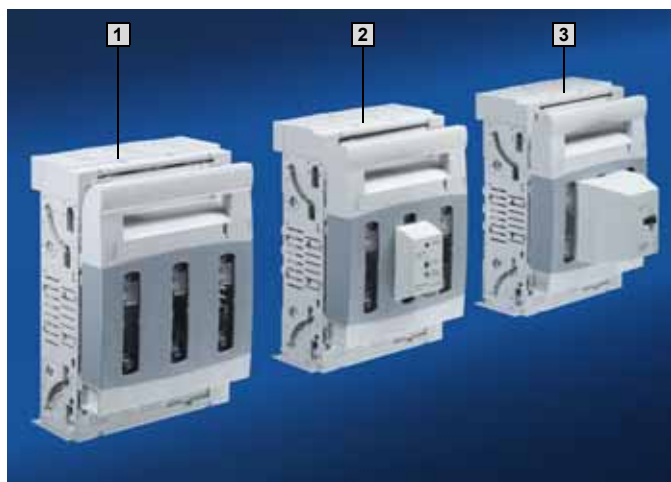
Size	Packs of	00	Page
Rated current		160 A	
Rated operating voltage		690 V~	
Cable outlet		top/bottom	
Type of connection		Screw M8	
Tightening torque		6 Nm	
● Assembly screw		14 Nm	
● Terminal screw			
Packs of		1	
<b>1 Model No. SV</b>		<b>3591.010</b>	
<b>Accessories</b>			
<b>2</b> Identification label support	6	3595.010	406
Micro-switch	5	3071.000	406
Lug terminal connection parts	1 set	3592.020	407
Clamp-type terminal connection	1 set	3592.010	407

B  
2.3

Busbar systems up to 1250 A (100 mm)

# Busbar systems up to 1250 A (100 mm)

## NH on-load isolators, sizes 1, 2, 3



**Material:**  
Chassis, lid, contact hazard protection: Polyamide PA6  
Contact tracks: Electrolytic copper, silver-plated

**Technical information,**  
see page 1244 – 1246.

**Colour:**  
RAL 7035

Busbar systems up to 1250 A (100 mm)

2.3

Size	Packs of	Size 1	Size 2	Size 3	Page
Rated current		250 A	400 A	630 A	
Rated operating voltage		690 V~/500 V~ <sup>1)</sup>	690 V~/500 V~ <sup>1)</sup>	690 V~/500 V~ <sup>1)</sup>	
Cable outlet		top/bottom	top/bottom	top/bottom	
Type of connection		Screw M10	Screw M10	Screw M10	
Connection of round conductors		up to 150 mm <sup>2</sup>	up to 240 mm <sup>2</sup>	up to 300 mm <sup>2</sup>	
Clamping area for laminated copper bars		32 x 10 mm	50 x 10 mm	50 x 10 mm	
Tightening torque		20 Nm	20 Nm	20 Nm	
Terminal screw					
Width (B) mm		184	210	250	
Height (H) mm		298	298	298	
Depth (T) mm		110	130	130	
Distance (B1)		57	65	80	
<b>1</b> Model No. SV	1	<b>9344.110</b>	<b>9344.210</b>	<b>9344.310</b>	
<b>2</b> with electronic fuse monitoring <sup>1)</sup> Model No. SV	1	<b>9344.130</b>	<b>9344.230</b>	<b>9344.330</b>	
<b>3</b> with electromechanical fuse monitoring Model No. SV	1	<b>9344.150</b>	<b>9344.250</b>	<b>9344.350</b>	

### Also required

Busbar adaptor	1	9344.810	9344.820	9344.830	see below
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### Accessories

Micro-switch	2	9344.510	9344.510	9344.510	406
Connection space cover	2	9344.530	9344.540	9344.550	406
Box terminal	3	9344.610	9344.620	9344.620	407
Arcing chamber	3	9344.680	9344.680	9344.680	407
Laminated copper bars		■	■	■	411

<sup>1)</sup> Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.



### Busbar adaptor

**3-pole, for NH on-load isolator**  
For mounting NH isolators on 100 mm busbar systems.  
Outlet top/bottom.

**Technical information**  
For assembly instructions, see page 1249.

For NH isolators	Packs of	Model No. SV
Size 1	1	<b>9344.810</b>
Size 2	1	<b>9344.820</b>
Size 3	1	<b>9344.830</b>