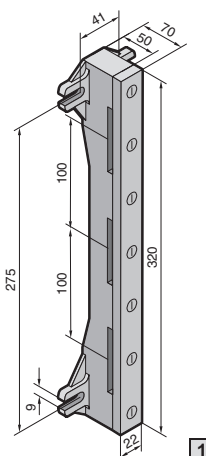
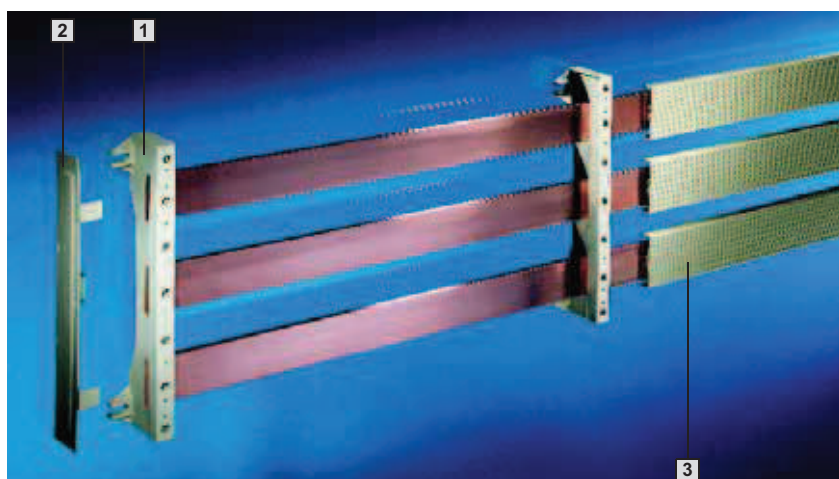


Busbar systems up to 1250 A (100 mm)

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		
Model No. SV	4	3073.000
Accessories		
2 End covers for side contact hazard protection	10	3083.000
Inserts to adapt the bar dimensions		
30 x 10 mm	24	3074.000
40 x 10 mm	24	3075.000
50 x 10 mm	24	3076.000

Busbars E-Cu

To DIN EN 13 601.
Length: 2400 mm/bar.

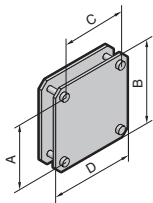
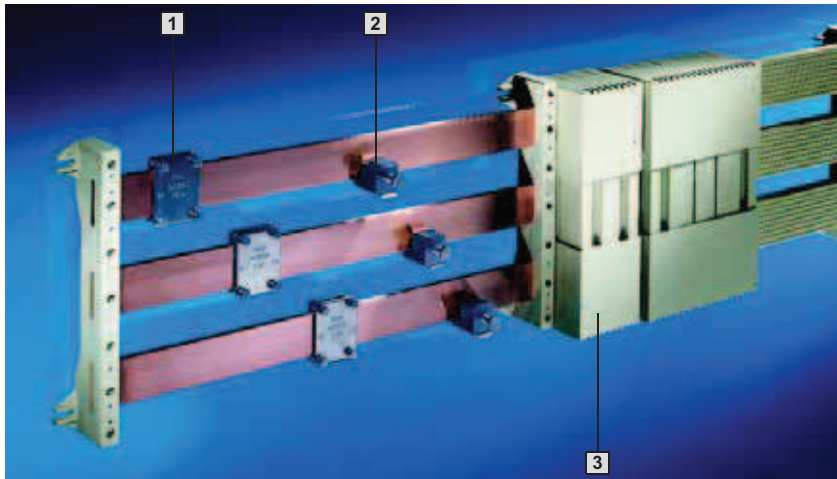
Dimensions in mm	Packs of	Model No. SV	Page
30 x 10 ¹⁾	6	3586.000²⁾	
40 x 10 ¹⁾	3	3587.000	
50 x 10	3	3588.000	
60 x 10	3	3589.000	
Accessories			
3 Busbar cover section (length 1 m/each) for E-Cu			
30 x 10 mm	10	3092.000	408
40 x 10 – 60 x 10 mm	10	3085.000	408

¹⁾ Other busbar lengths, see page 409.

²⁾ 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:

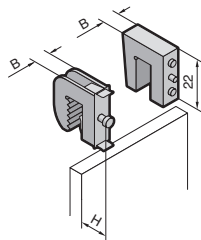
Sheet steel, zinc-plated, passivated.



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	3554.000
40 x 10	34 x 10	6 – 8	50	65	40	55	3	3559.000
50 x 10	34 x 10	6 – 8	60	75	40	55	3	3560.000
50 x 10	54 x 10	6 – 8	60	75	60	75	3	3562.000
60 x 10	34 x 10	6 – 8	70	85	40	55	3	3561.000
60 x 10	54 x 10	6 – 8	70	85	60	75	3	3563.000



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.

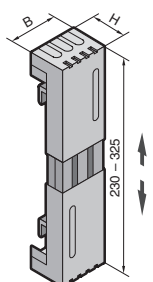


Accessories:

Laminated copper bars, see page 411.

Connection of round conductors ¹⁾ mm ²	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	3555.000
1 – 4	–	2	11	17	23	15	3455.500
2.5 – 16	8 x 8	3	14	22	29	15	3456.500
16 – 50	10.5 x 11	6 – 8	18.5	26	39	15	3457.500
35 – 70	16.5 x 15	10 – 12	24.5	39	57	15	3458.500
70 – 185	22.5 x 20	12 – 15	30.5	44	66	15	3459.500

¹⁾ 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.

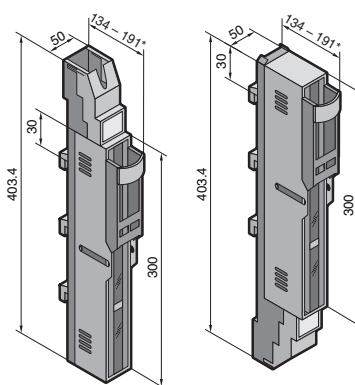
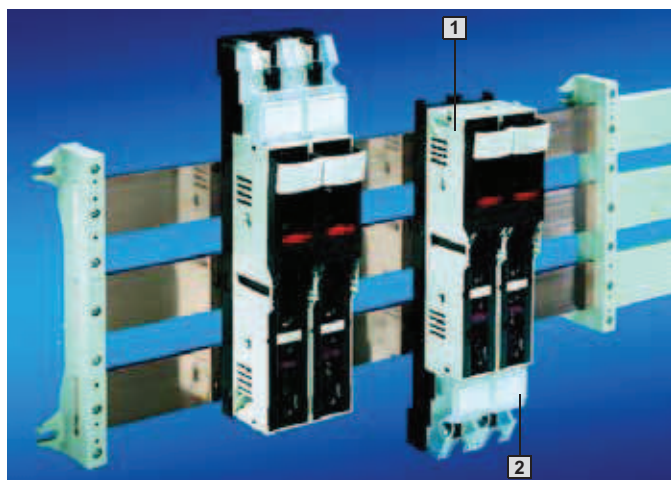
Colour:

RAL 7035

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

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.

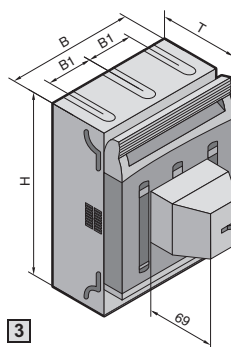
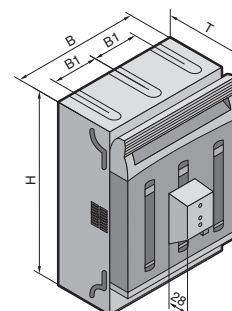
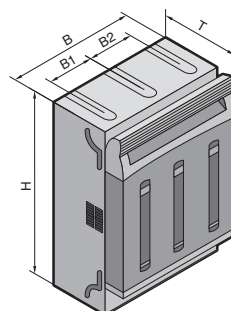
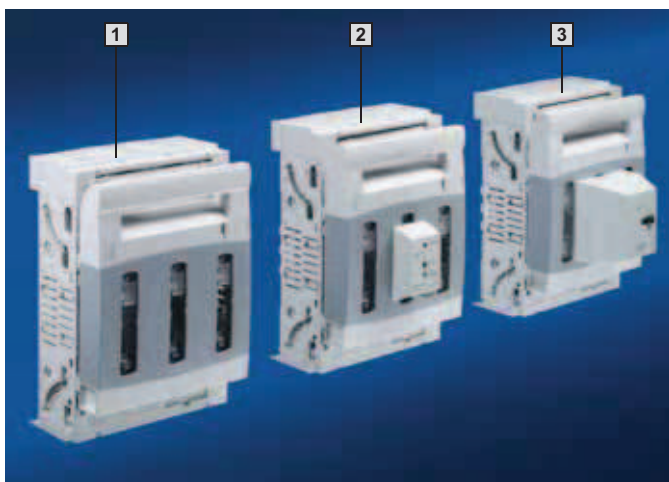
Size	Packs of	00	Page
Rated current		160 A	
Rated operating voltage		690 V~	
Cable outlet		top/bottom	
Type of connection		Screw M8	
Tightening torque		6 Nm	
● Assembly screw		14 Nm	
● Terminal screw			
Packs of		1	
1 Model No. SV		3591.010	
Accessories			
2 Identification label support	6	3595.010	406
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

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~ ¹⁾	690 V~/500 V~ ¹⁾	690 V~/500 V~ ¹⁾	
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 ²	up to 240 mm ²	up to 300 mm ²	
Clamping area for laminated copper bars		32 x 10 mm	50 x 10 mm	50 x 10 mm	
Tightening torque Terminal screw		20 Nm	20 Nm	20 Nm	
Width (B) mm		184	210	250	
Height (H) mm		298	298	298	
Depth (T) mm		110	130	130	
Distance (B1)		57	65	80	
1 Model No. SV	1	9344.110	9344.210	9344.310	
2 with electronic fuse monitoring ¹⁾ Model No. SV	1	9344.130	9344.230	9344.330	
3 with electromechanical fuse monitoring Model No. SV	1	9344.150	9344.250	9344.350	

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

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



Busbar adaptor

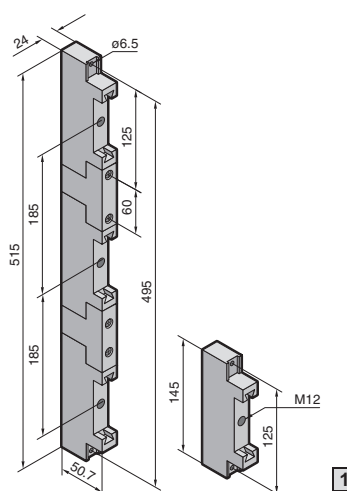
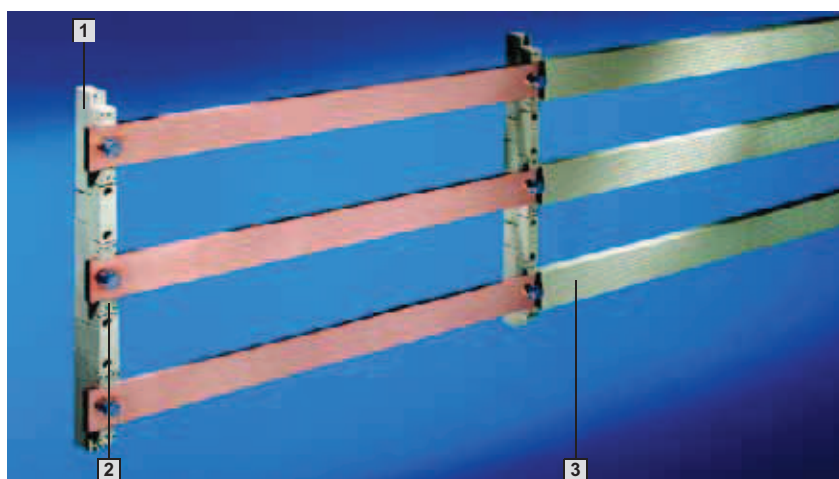
3-pole, for NH on-load isolator
For mounting NH isolators on 100 mm busbar systems.
Outlet top/bottom.

Technical information
For assembly instructions, see page 1249.

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

Busbar systems up to 1600 A (185 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

Note:
The base component of the busbar support may also be used as a single-pole support.

Short-circuit protection diagram,
see page 1232.

Technical information
for the calculation of rated currents,
see page 1247.

Design	Packs of	1
Number of poles		3-pole
Bar centre distance		185 mm
Max. bar accommodation without inserts		80 x 10 mm
With inserts for bar accommodation		50 – 60 x 10 mm
Tightening torque		3 – 5 Nm
● Assembly screw		40 Nm
● Bar fastening screw		
Model No. SV	2	3052.000
Accessories		
2 Inserts to adapt the bar dimensions		
50 x 10 mm	24	3074.000
60 x 10 mm	24	3075.000

Busbars E-Cu

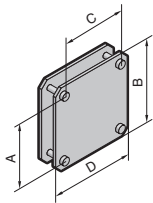
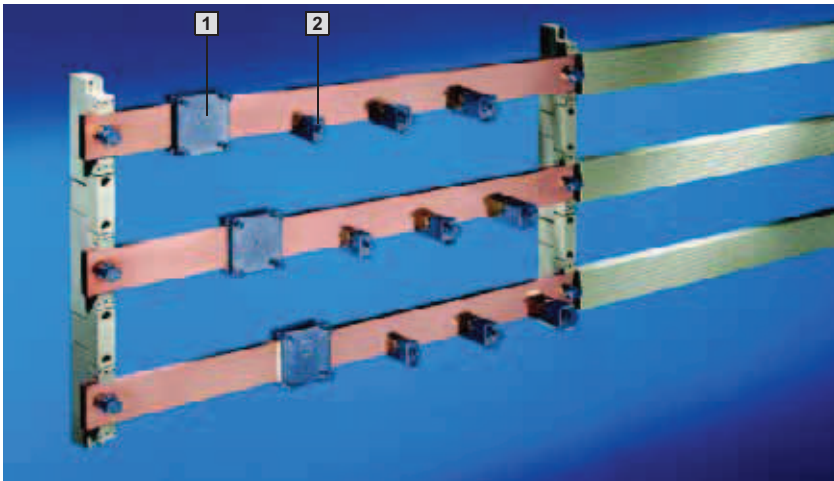
To DIN EN 13 601.
Length: 2400 mm/bar.

Dimensions in mm	Packs of	Model No. SV	Page
50 x 10	3	3588.000	
60 x 10	3	3589.000	
80 x 10 ¹⁾	3	3590.000	
Accessories			
3 Busbar cover section (length 1 m/each) for E-Cu			
50 x 10 – 60 x 10 mm	10	3085.000	408

¹⁾Other busbar lengths, see page 409.

Busbar systems up to 1600 A (185 mm)

Connection clamps



1 Plate clamps

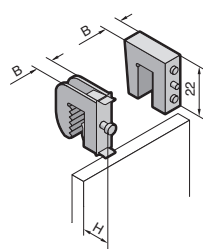
For connecting laminated copper bars; no drilling required.

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
50 x 10	34 x 10	6 – 8	60	75	40	55	3	3560.000
50 x 10	54 x 10	6 – 8	60	75	60	75	3	3562.000
60 x 10	34 x 10	6 – 8	70	85	40	55	3	3561.000
60 x 10	54 x 10	6 – 8	70	85	60	75	3	3563.000
80 x 10	65 x 10	6 – 8	90	105	71	86	3	3460.500



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:

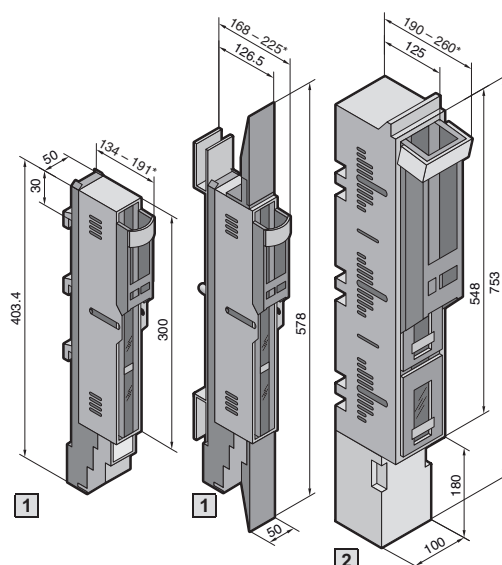
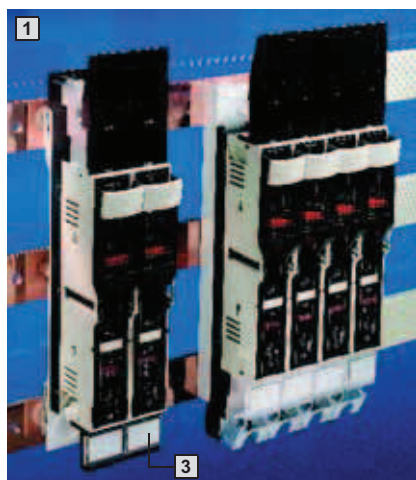
Laminated copper bars, see page 411.

Connection of round conductors ¹⁾ mm ²	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	3555.000
1 – 4	–	2	11	17	23	15	3455.500
2.5 – 16	8 x 8	3	14	22	29	15	3456.500
16 – 50	10.5 x 11	6 – 8	18.5	26	39	15	3457.500
35 – 70	16.5 x 15	10 – 12	24.5	39	57	15	3458.500
70 – 185	22.5 x 20	12 – 15	30.5	44	66	15	3459.500

¹⁾ Wire end ferrules should be used with fine wire conductors.

Busbar systems up to 1600 A (185 mm)

NH fused isolators, size 00 – 3 (3-pole)



Material:
 Cover (size 00 – 3):
 Fibreglass-reinforced polyamide
 Strip chassis (size 00):
 Fibreglass-reinforced polyamide
 Strip chassis (size 1 – 3):
 Duroplastic polyester
 Contact tracks:
 Silver-plated hard copper

Scope of supply SV 3591.040:
 including
 1 busbar adaptor¹⁾,
 2 compensating panels,
 3 inserted screw nuts M12

Scope of supply SV 3591.050:
 including
 1 busbar adaptor¹⁾,
 (double adaptor),
 4 compensating panels,
 3 inserted screw nuts M12

Scope of supply SV 3485.000 – SV 3487.000:
 including
 3 inserted screw nuts M12

¹⁾ Tightening torque 25 Nm
 (bar attachment)

Technical information,
 see page 1244.

* Off-load position

B
2.4
Busbar systems up to 1600 A (185 mm)

Design	Packs of	1		2			Page
Size		00	1	2	3		
Rated current		160 A	250 A	400 A	630 A		
Rated operating voltage		690 V~	690 V~	690 V~	690 V~		
Cable outlet		top/bottom	top/bottom	top/bottom	top/bottom		
Type of connection		Screw M8	Screw M12	Screw M12	Screw M12		
Tightening torque							
● Assembly screw		14 Nm	40 Nm	40 Nm	40 Nm		
● Terminal screw		14 Nm	40 Nm	40 Nm	40 Nm		
Packs of		1	2	1	1	1	
Model No. SV		3591.040	3591.050	3485.000	3486.000	3487.000	

Accessories

Accessories	Packs of	3591.040	3591.050	3485.000	3486.000	3487.000	Page
3 Identification label support	6	3595.010	3595.010	–	–	–	406
Micro-switch	5	3071.000	3071.000	3071.000	3071.000	3071.000	406
Lug terminal connection parts	1 set	3592.020	3592.020	–	–	–	407
Clamp-type terminal connection	1 set	3592.010	3592.010	–	–	–	407



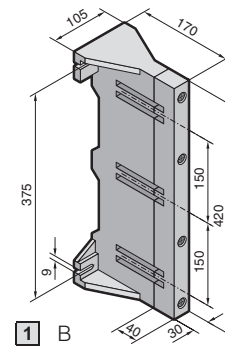
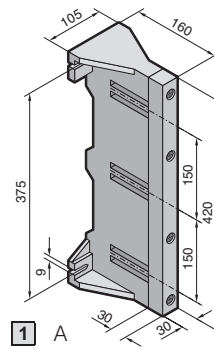
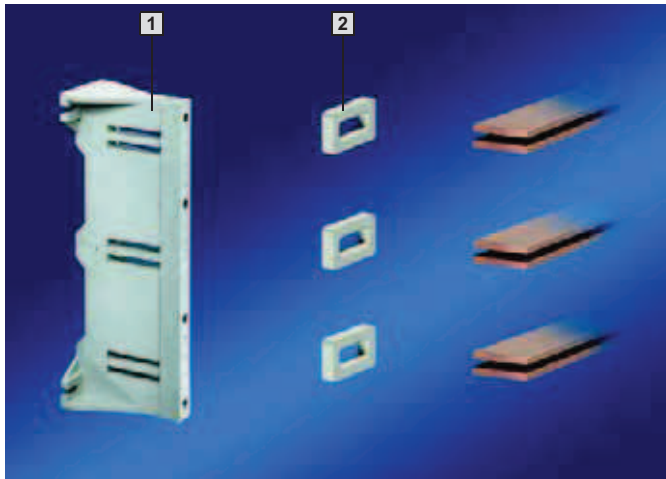
Inserted screw nuts M12

Self-holding nuts with knurled ring.
 For drilled holes in busbars Ø 14.5 mm.

Packs of	Model No. SV
30	3591.060

Busbar systems up to 2500 A/3000 A (150 mm)

Busbar supports (3-pole)



B
2.5

Busbar systems up to 2500 A/3000 A (150 mm)

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.

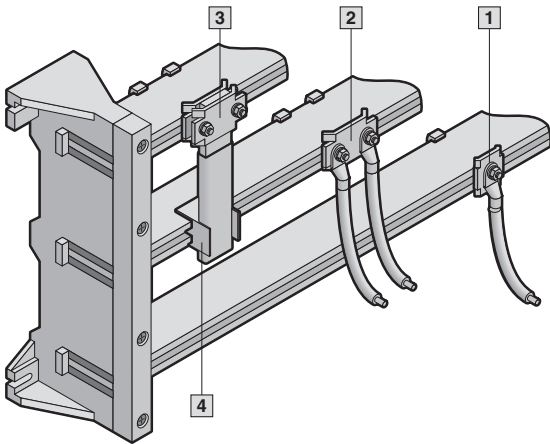
1 Design	Packs of	A	B
Number of poles		3-pole	3-pole
Bar centre distance		150 mm	150 mm
Max. bar accommodation without spacing pieces		2 x 80 x 10 mm	2 x 100 x 10 mm
Tightening torque			
● Assembly screw		8 – 10 Nm	8 – 10 Nm
● Lid attachment		5 – 10 Nm	5 – 10 Nm
Model No. SV	2	3055.000	3057.000
Accessories			
2 Spacing pieces	12	3056.000¹⁾	3056.000¹⁾

¹⁾ To reduce the bar size in 10 mm increments. Also suitable for stepped busbar assemblies.

Busbars E-Cu

To DIN EN 13 601.
Length: 2400 mm/bar.

Dimensions in mm	Packs of	Model No. SV
60 x 10	3	3589.000
80 x 10	3	3590.000



Connection plates

for SV 3055.000

Tightening torque: 10 – 15 Nm.

Material:

Connection plate E-Cu, nickel-plated

Connection	Packs of	Model No. SV
1 M10 ring terminal up to 240 mm ²	3 sets	3058.000 ¹⁾
2 2 x M10 ring terminals up to 240 mm ²	3 sets	3059.000 ¹⁾
3 Laminated flat copper up to 40 x 10 mm	3 sets	3061.000 ²⁾

T-head screws:
¹⁾ M10 x 100 mm
²⁾ M10 x 120 mm

+ Accessories:

Laminated copper bars, see page 411.



Connection plates

for SV 3057.000

Tightening torque: 10 – 15 Nm.

Material:

Connection plate E-Cu, nickel-plated

Note:

One connection plate per terminal connection is omitted.

Connection	Packs of	Model No. SV
3 2 x M10 ring terminals up to 240 mm ²	3 sets	3061.000 ¹⁾

T-head screws:
¹⁾ M10 x 120 mm



4 Bar insulation

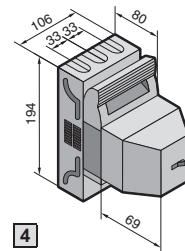
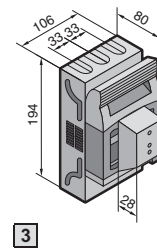
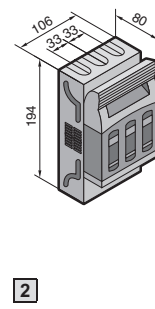
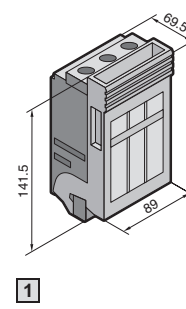
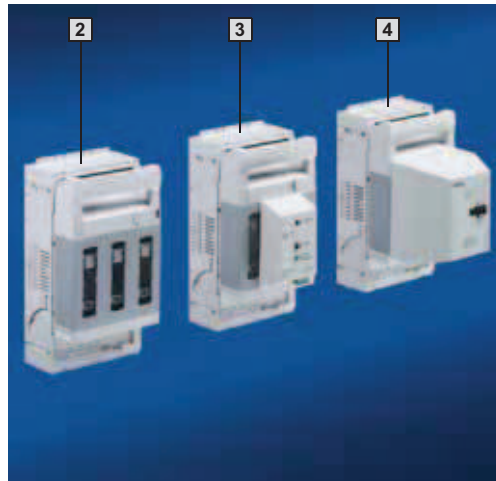
for SV 3055.000 and SV 3057.000

For supply lead routing, plug-type.

Packs of	Model No. SV
9	3060.000

Rittal RiLine NH (mounting plate assembly)

NH on-load isolators, size 000/size 00



B
2.6

Rittal RiLine NH (mounting plate assembly)

Material:

Chassis, lid, contact hazard protection:

- Size 000
Fibreglass-reinforced polyamide
- Size 00
Polyamide PA6

Contact tracks:

Electrolytic copper, silver-plated

Technical information,
see page 1244 – 1246.

Drilling dimensions,
see page 1249.

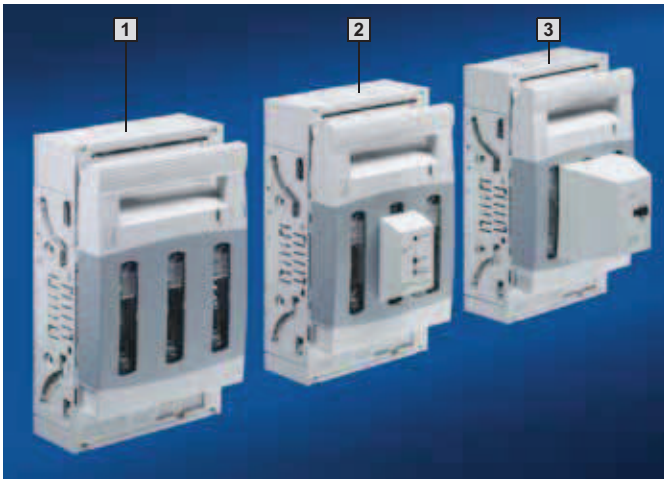
Size	Packs of	Size 000	Size 00		Page
Rated current		100 A (160 A) ¹⁾	160 A		
Rated operating voltage		690 V~	690 V~/500 V~ ²⁾		
Cable outlet		top/bottom	top/bottom		
Type of connection		Terminal	Box terminal	Screw M8	
Connection of round conductors		1.5 – 50 mm ²	4 – 70 mm ²	up to 95 mm ²	
Clamping area for laminated copper bars		10 x 10 mm	13 x 13 mm	20 x 5 mm	
Tightening torque Terminal screw		3 Nm	4.5 Nm	12 Nm	
1 Model No. SV	1	3431.000	–	–	
2 Model No. SV	1	–	9344.000	9344.010	
3 with electronic fuse monitoring¹⁾ Model No. SV	1	–	9344.020	9344.030	
4 with electromechanical fuse monitoring Model No. SV	1	–	9344.040	9344.050	
Accessories					
Micro-switch	5	3071.000	3071.000	3071.000	406
Connection space cover	2	–	9344.520	9344.520	406
Prism terminal	3	–	–	9344.600	407
Mounting set	1	3432.000	–	–	406
Laminated copper bars		■	■	■	411

¹⁾ 160 A at 95 mm² connection cross-section (95 mm² connector pieces available on request).

²⁾ Rated operating voltage 400 V~ to 500 V~ for NH isolators with electronic fuse monitoring.

Rittal RiLine NH (mounting plate assembly)

NH on-load isolators, size 1

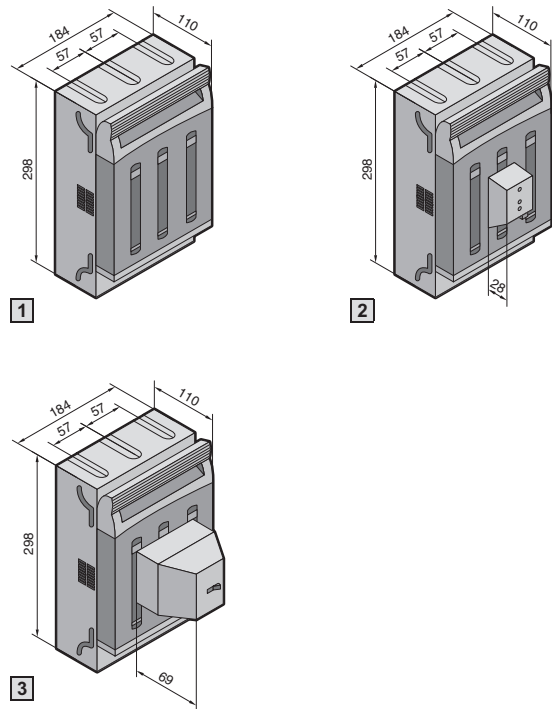


Material:

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

Technical information, see page 1244 – 1246.

Drilling dimensions, see page 1249.



B
2.6

Rittal RiLine NH (mounting plate assembly)

Size	Packs of	Size 1		Page
Rated current		250 A		
Rated operating voltage		690 V~/500 V~ ¹⁾		
Cable outlet		top/bottom		
Type of connection		Box terminal	Screw M10	
Connection of round conductors		35 – 150 mm ² ²⁾	up to 150 mm ²	
Clamping area for laminated copper bars		20 x 14 mm	32 x 10 mm	
Tightening torque		12 Nm	20 Nm	
Terminal screw				
1) Model No. SV	1	9344.100	9344.110	
2) with electronic fuse monitoring¹⁾ Model No. SV	1	9344.120	9344.130	
3) with electromechanical fuse monitoring Model No. SV	1	9344.140	9344.150	

Accessories

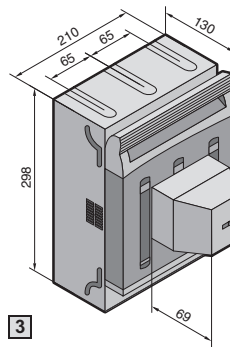
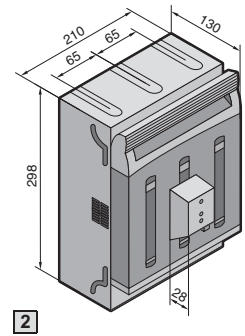
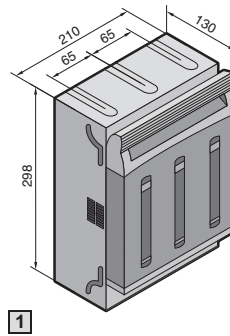
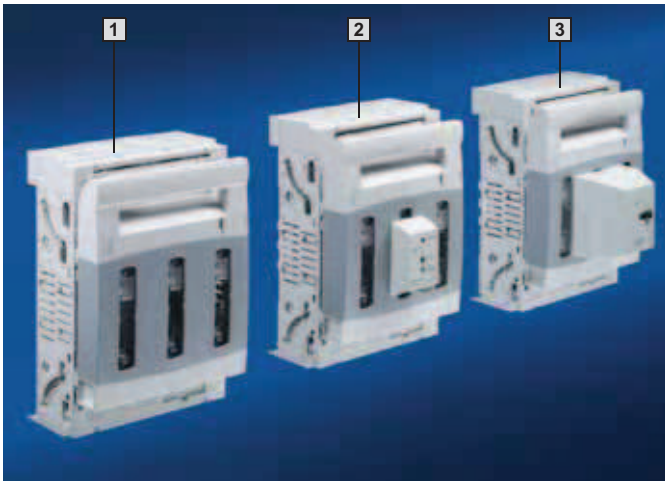
Accessories	Packs of	9344.510	9344.530	9344.610	9344.680	411
Micro-switch	2	9344.510	9344.530	9344.610	9344.680	411
Connection space cover	2	9344.530	9344.530	9344.610	9344.680	411
Box terminal	3	–	9344.610	9344.680	9344.680	411
Arcing chamber	3	9344.680	9344.680	9344.680	9344.680	411
Laminated copper bars		■	■	■	■	411

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

²⁾ Connection of sector-shaped conductors 50 – 150 mm².

Rittal RiLine NH (mounting plate assembly)

NH on-load isolators, size 2



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

Technical information, see page 1244 – 1246.

Drilling dimensions, see page 1249.

Rittal RiLine NH (mounting plate assembly)

B
2.6

Size	Packs of	Size 2		Page
Rated current		400 A		
Rated operating voltage		690 V~/500 V~ ¹⁾		
Cable outlet		top/bottom		
Type of connection		Box terminal	Screw M10	
Connection of round conductors		95 – 300 mm ² ²⁾	up to 240 mm ²	
Clamping area for laminated copper bars		32 x 20 mm	50 x 10 mm	
Tightening torque		20 Nm	20 Nm	
Terminal screw				
1) Model No. SV	1	9344.200	9344.210	
2) with electronic fuse monitoring¹⁾ Model No. SV	1	9344.220	9344.230	
3) with electromechanical fuse monitoring Model No. SV	1	9344.240	9344.250	

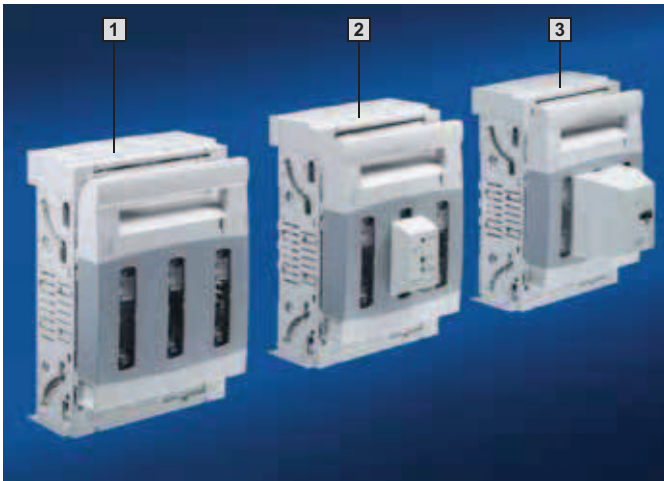
Accessories				
Micro-switch	2	9344.510	9344.510	406
Connection space cover	2	9344.540	9344.540	406
Box terminal	3	–	9344.620	407
Arcing chamber	3	9344.680	9344.680	407
Laminated copper bars		■	■	411

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

²⁾ Connection of sector-shaped conductors 120 – 300 mm².

Rittal RiLine NH (mounting plate assembly)

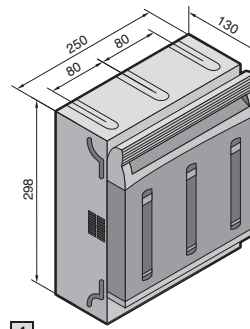
NH on-load isolators, size 3



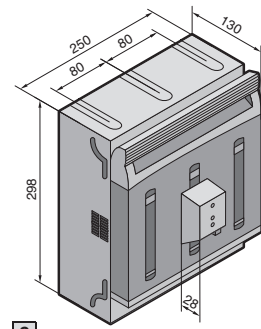
Material:
Chassis, lid, contact hazard protection: Polyamide PA6
Contact tracks:
Electrolytic copper, silver-plated

Technical information,
see page 1244 – 1246.

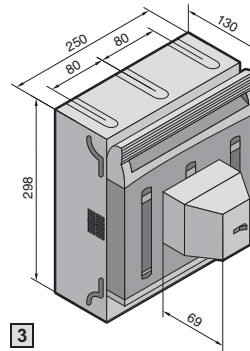
Drilling dimensions,
see page 1249.



1



2



3

B
2.6

Rittal RiLine NH (mounting plate assembly)

Size	Packs of	Size 3		Page
Rated current		630 A		
Rated operating voltage		690 V~/500 V~ ¹⁾		
Cable outlet		top/bottom		
Type of connection		Box terminal	Screw M10	
Connection of round conductors		95 – 300 mm ² ²⁾	up to 300 mm ²	
Clamping area for laminated copper bars		32 x 20 mm	50 x 10 mm	
Tightening torque		20 Nm	20 Nm	
Terminal screw				
1 Model No. SV	1	9344.300	9344.310	
2 with electronic fuse monitoring¹⁾ Model No. SV	1	9344.320	9344.330	
3 with electromechanical fuse monitoring Model No. SV	1	9344.340	9344.350	

Accessories

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

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

²⁾ Connection of sector-shaped conductors 120 – 300 mm².