

Power distribution

RiLine60 connection system

Connection adaptors

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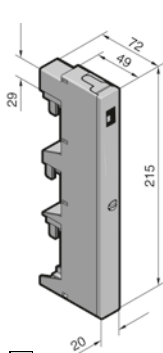
For 60 mm busbar systems

Note:

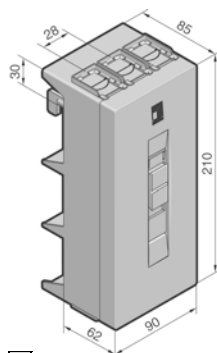
Technical information on conductor connections, see page 149.

Approvals:

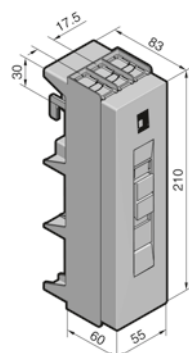
UL US LISTED
E191125



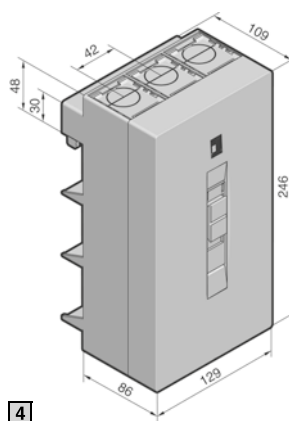
1



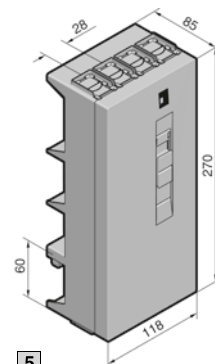
3



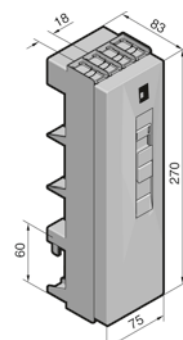
2



4



5



6

Design		3-pole			
		1	2	3	4
Rated current max.	IEC	63 A	125 A ¹⁾	250 A ¹⁾	800 A
	UL	60 A	125 A	250 A	600 A
Rated operating voltage	IEC	690 V AC	690 V AC	690 V AC	690 V AC
	UL	600 V AC	600 V AC	600 V AC	600 V AC
Model No. SV					
Cable outlet	Top/bottom	–	9342.220	9342.250	9342.280
	Top	9342.200	9342.230	9342.260	9342.290
	Bottom	9342.210	9342.240	9342.270	9342.300

Assembly data for applications to IEC (EN)

Tightening torque Nm	2	2	6	6
– Rail attachment	2.5	3	12	14
– Terminal screw				
Conductor connection mm ²				
– f with wire end ferrule	2.5 – 10	10 – 25	35 – 120	95 – 185
– re	2.5 – 10	–	–	–
– rm	2.5 – 10	16 – 35	35 – 120	95 – 300
Clamping area for laminated copper bars W x H mm	–	10 x 7.8	18.5 x 15.5	33 x 20

Assembly data for applications to UL

Tightening torque Nm	2	2	6	6
– Rail attachment	5	5	12	18
– Terminal screw				
Conductor connection Cu	AWG 6 – 10	AWG 2 – 6	AWG 2 – MCM 250	AWG 4/0 – MCM 600
Connection of laminated copper bars mm	–	–	–	10 x 32 x 1 ²⁾

Material specifications

Contact track: E-Cu, nickel-plated	■	■	■	■
Conductor connection clamp	Sheet steel, zinc-plated	■	–	–
	Cast brass, nickel-plated	–	■	■

¹⁾ Higher rated currents for laminated copper bars available on request.

²⁾ Number of membranes x membrane width x membrane thickness

Connection adaptors

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For 60 mm busbar systems

Note:

Technical information on conductor connections, see page 149.

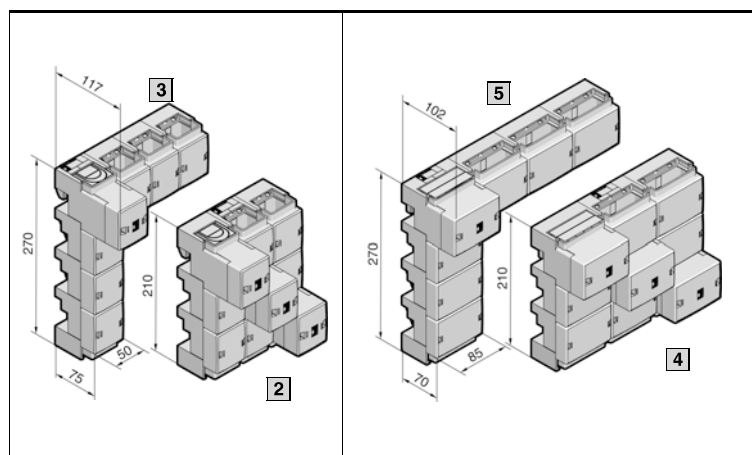
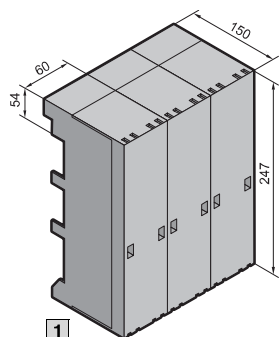
SV 3439.010

When connecting round conductors 300 mm² with ring terminals, the terminal clamps fitted as standard in the busbar connection adaptors must be replaced with screws and/or bolts M10 (tightening torque 20 Nm).

Approvals:

UL US LISTED
E191125

RU
E191125



[1]	
Design	3-pole
Rated current max.	IEC 600 A
	UL –
Rated operating voltage	IEC 690 V AC
	UL –
Model No. SV	
Cable outlet top/bottom	3439.010

[2]	[3]	[4]	[5]
3-pole	Expansion set for 4-pole configuration	3-pole	Expansion set for 4-pole configuration
800 A	800 A	1600 A	1600 A
700 A	700 A	1400 A	1400 A
690 V AC	690 V AC	690 V AC	690 V AC
600 V AC	600 V AC	600 V AC	600 V AC
Model No. SV		Model No. SV	
9342.310 (UL)	9342.314 (UL)	9342.320 (UL)	9342.324 (UL)

Assembly data for applications to IEC (EN)

Tightening torque Nm	20
– Rail attachment	15
– Terminal screw	
Conductor connection Cu mm ²	35 – 240
– f with wire end ferrule	35 – 240
– rm	
Clamping area for laminated copper bars W x H mm	
– For 5 mm bar thickness	24 x 21
– For 10 mm bar thickness	24 x 21

–	–
14	20
95 – 185 ¹⁾	–
95 – 300	–
33 x 26	65 x 27
33 x 21	65 x 22

Assembly data for applications to UL

Tightening torque Nm	–
– Terminal screw	
Conductor connection Cu	–
Connection of laminated copper bars mm	–

16.5	22
AWG 4/0 – MCM 600	–
10 x 32 x 1 ²⁾	10 x 63 x 1 ²⁾

Material specifications

Contact track:	
E-Cu, silver-plated	■
Conductor connection	Cast brass, nickel-plated
clasp	Stainless steel

■	■
■	–
–	■

¹⁾ Fine-wire without wire end ferrule up to 240 mm². Tightening torque 20 Nm.

²⁾ Number of membranes x membrane width x membrane thickness.