

Power distribution

RiLine60 component adaptors

Circuit-breaker component adaptors 100 A/125 A (3-pole)


Catalogue 33, page 287

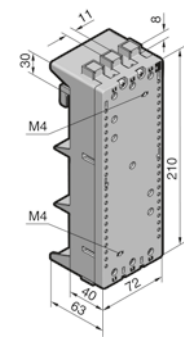
For 60 mm busbar systems



Note:

- Mounting positions for universal component configuration, see page 190.
- Technical information on conductor connections, see page 149.

Approvals:

 E191125



Rated current max.	IEC	100 A	100 A
	UL	100 A	100 A
Rated operating voltage	IEC	690 V AC	690 V AC
	UL	600 V AC	600 V AC
Cable outlet		Top	Bottom
Model No. SV		9342.400 	9342.410 

Assembly data for applications to IEC (EN)

Tightening torque Nm		
– Rail attachment	2	2
– Terminal screw	3	3
– Switchgear attachment	1.5	1.5
Connection of round conductors mm ²	10 – 35	10 – 35
Clamping area for laminated copper bars W x H mm	10 x 7.8	10 x 7.8

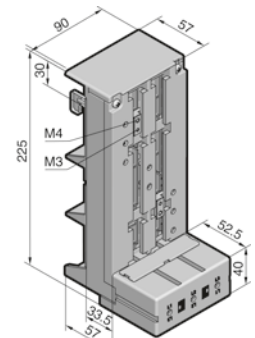
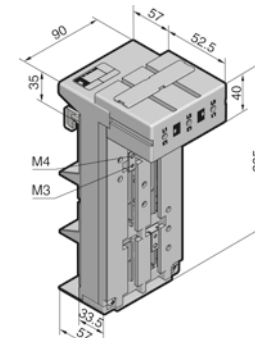
Assembly data for applications to UL



Tightening torque Nm		
– Rail attachment	2	2
– Terminal screw	5	5
– Switchgear attachment	1.5	1.5
Connection of round conductors	AWG 2 – 6	AWG 2 – 6
Connection of laminated copper bars mm	–	–

Material specifications

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

¹⁾ Number of membranes x membrane width x membrane thickness

Rated current max.	125 A	125 A
Rated operating voltage	690 V AC	690 V AC
	600 V AC	600 V AC
Cable outlet	Top	Bottom
Model No. SV	9342.540 	9342.550 

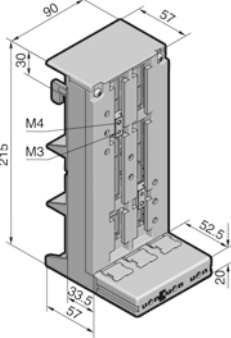
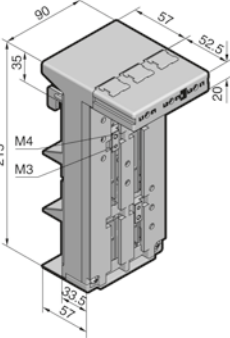
Tightening torque Nm	6	6
– Rail attachment	12	12
– Terminal screw	1.5	1.5
Connection of round conductors mm ²	35 – 120	35 – 120
Clamping area for laminated copper bars W x H mm	18.5 x 15.5	18.5 x 15.5

Tightening torque Nm	6	6
– Rail attachment	12	12
– Terminal screw	1.5	1.5
Connection of round conductors	AWG 2 – MCM 250	AWG 2 – MCM 250
Connection of laminated copper bars mm	10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾

Contact track	■	■
Conductor connection clamp	–	–
	■	■

Circuit-breaker component adaptors 160 A (3-pole)

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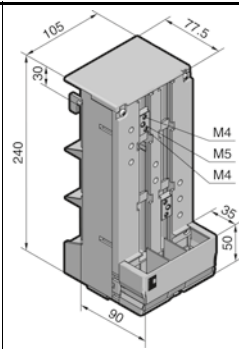
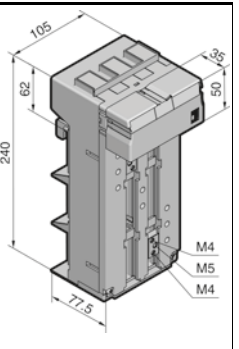
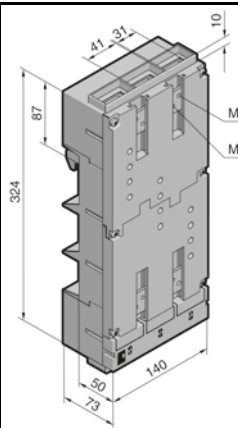
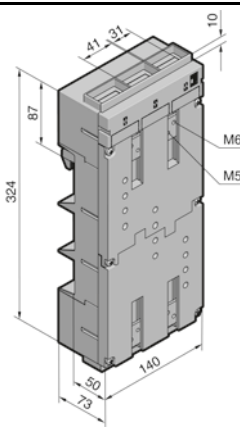











<p>For 60 mm busbar systems</p> <p>Note:</p> <ul style="list-style-type: none"> – Mounting positions for universal component configuration, see page 190. – Technical information on conductor connections, see page 149. 		
Rated current max.	160 A	160 A
Rated operating voltage	690 V AC	690 V AC
Cable outlet	Top	Bottom
Model No. SV	9342.500	9342.510
Assembly data for applications to IEC (EN)		
Tightening torque Nm	6	6
– Rail attachment	12	12
– Terminal screw	1.5	1.5
– Switchgear attachment	1.5	1.5
Connection of round conductors mm ²	35 – 120	35 – 120
Clamping area for laminated copper bars W x H mm	18,5 x 15,5	18,5 x 15,5
Material specifications		
Contact track: E-Cu, nickel-plated	■	■
Conductor connection clamp: Cast brass, nickel-plated	■	■

Power distribution

RiLine60 component adaptors

Circuit-breaker component adaptors 250 A/360 A (3-pole)


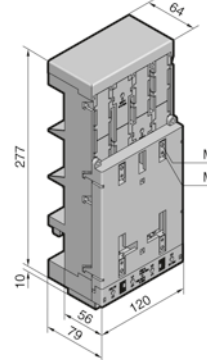
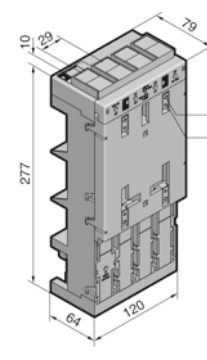
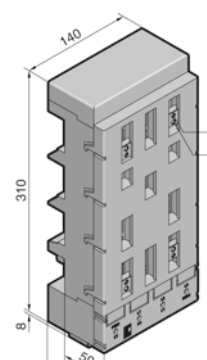
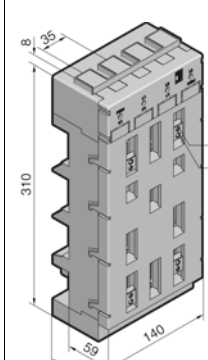












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<p>For 60 mm busbar systems</p> <p>Note:</p> <ul style="list-style-type: none"> – Mounting positions for universal component configuration, see page 190. – Technical information on conductor connections, see page 149. <p>Approvals:</p> <p> E191125</p>																																																		
	<table border="1"> <tr> <td>Rated current max.</td> <td>IEC</td> <td>250 A</td> <td>250 A</td> <td>250 A</td> </tr> <tr> <td></td> <td>UL</td> <td>250 A</td> <td>250 A</td> <td>250 A</td> </tr> <tr> <td rowspan="2">Rated operating voltage</td> <td>IEC</td> <td>690 V AC</td> <td>690 V AC</td> <td>690 V AC</td> </tr> <tr> <td>UL</td> <td>600 V AC</td> <td>600 V AC</td> <td>600 V AC</td> </tr> <tr> <td>Cable outlet</td> <td></td> <td>Top</td> <td>Bottom</td> <td></td> </tr> <tr> <td>Model No. SV</td> <td></td> <td>9342.600 </td> <td>9342.610 </td> <td></td> </tr> </table>	Rated current max.	IEC	250 A	250 A	250 A		UL	250 A	250 A	250 A	Rated operating voltage	IEC	690 V AC	690 V AC	690 V AC	UL	600 V AC	600 V AC	600 V AC	Cable outlet		Top	Bottom		Model No. SV		9342.600 	9342.610 				<table border="1"> <tr> <td></td> <td>630 A</td> <td>630 A</td> </tr> <tr> <td></td> <td>600 A</td> <td>600 A</td> </tr> <tr> <td></td> <td>690 V AC</td> <td>690 V AC</td> </tr> <tr> <td></td> <td>600 V AC</td> <td>600 V AC</td> </tr> <tr> <td></td> <td>Top</td> <td>Bottom</td> </tr> <tr> <td></td> <td>9342.700 </td> <td>9342.710 </td> </tr> </table>		630 A	630 A		600 A	600 A		690 V AC	690 V AC		600 V AC	600 V AC		Top	Bottom		9342.700 
Rated current max.	IEC	250 A	250 A	250 A																																														
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Assembly data for applications to IEC (EN)																																																		
Tightening torque Nm																																																		
– Rail attachment		6	6	6																																														
– Terminal screw		12	12	12																																														
– Switchgear attachment		1.5	1.5	1.5																																														
Connection of round conductors mm ²		35 – 120	35 – 120																																															
Clamping area for laminated copper bars W x H mm		18.5 x 15.5	18.5 x 15.5																																															
Assembly data for applications to UL																																																		
Tightening torque Nm																																																		
– Rail attachment		6	6	14																																														
– Terminal screw		12	12	32																																														
– Switchgear attachment		1.5	1.5	2.5																																														
Connection of round conductors		AWG 2 – MCM 250	AWG 2 – MCM 250																																															
Connection of laminated copper bars mm		10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾																																															
Material specifications																																																		
Contact track: E-Cu, nickel-plated		■	■	■																																														
Conductor connection clamp: Cast brass, nickel-plated		■	■	–																																														
Bolts M10		–	–	■																																														

¹⁾ Number of membranes x membrane width x membrane thickness

Circuit-breaker component adaptors 160 A/250 A (4-pole)

Catalogue 33, page 289

For 60 mm busbar systems Note: Technical information on conductor connections, see page 149. Approvals:  E191125																																							
	<table border="1"> <tr> <td>Rated current up to</td> <td>IEC</td> <td>160 A</td> <td>160 A</td> <td>250 A</td> <td>250 A</td> </tr> <tr> <td></td> <td>UL</td> <td>125 A</td> <td>125 A</td> <td>250 A</td> <td>250 A</td> </tr> <tr> <td rowspan="2">Rated operating voltage</td> <td>IEC</td> <td>690 V AC</td> <td>690 V AC</td> <td>690 V AC</td> <td>690 V AC</td> </tr> <tr> <td>UL</td> <td>600 V AC</td> <td>600 V AC</td> <td>600 V AC</td> <td>600 V AC</td> </tr> <tr> <td>Cable outlet</td> <td></td> <td>Top</td> <td>Bottom</td> <td>Top</td> <td>Bottom</td> </tr> <tr> <td>Model No. SV</td> <td></td> <td>9342.504 </td> <td>9342.514 </td> <td>9342.604 </td> <td>9342.614 </td> </tr> </table>	Rated current up to	IEC	160 A	160 A	250 A	250 A		UL	125 A	125 A	250 A	250 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	Cable outlet		Top	Bottom	Top	Bottom	Model No. SV		9342.504 	9342.514 	9342.604 	9342.614 			
Rated current up to	IEC	160 A	160 A	250 A	250 A																																		
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Cable outlet		Top	Bottom	Top	Bottom																																		
Model No. SV		9342.504 	9342.514 	9342.604 	9342.614 																																		

Assembly data for applications to IEC (EN)

Tightening torque Nm					
- Rail attachment		6	6	6	6
- Terminal screw		12	12	12	12
- Switchgear attachment		1.5	1.5	1.5	1.5
Connection of round conductors mm ²		35 – 120	35 – 120	35 – 120	35 – 120
Clamping area for laminated copper bars W x H mm		18.5 x 15.5	18.5 x 15.5	18.5 x 15.5	18.5 x 15.5

Assembly data for applications to UL

Tightening torque Nm					
- Rail attachment		6	6	6	6
- Terminal screw		12	12	12	12
- Switchgear attachment		1.5	1.5	1.5	1.5
Connection of round conductors		AWG 2 – MCM 250	AWG 2 – MCM 250	AWG 2 – MCM 250	AWG 2 – MCM 250
Connection of laminated copper bars mm		10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾

Material specifications

Contact track: E-Cu, nickel-plated		■	■	■	■
Conductor connection clamp: Cast brass, nickel-plated		■	■	■	■

¹⁾ Number of membranes x membrane width x membrane thickness

Power distribution

RiLine60 component adaptors

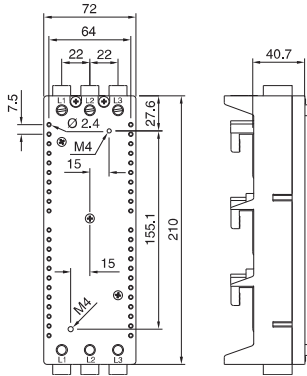
Circuit-breaker component adaptors

In addition to direct population of circuit-breaker component adaptors with the circuit-breakers specified in Catalogue 33 on page 287/288, the circuit-breaker component adaptors may also be individually populated with switchgear.

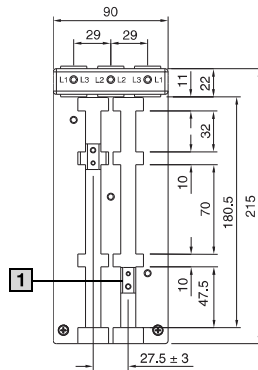
- In this regard, care should be taken to ensure that
- the mounting points of the switchgear are within the setting range of the sliding blocks,
 - the switchgear may be mounted on the adaptor with respect to the external dimensions and connection range.

The detailed drawings below should serve as templates for checking the required mounting position.

SV 9342.400/.410

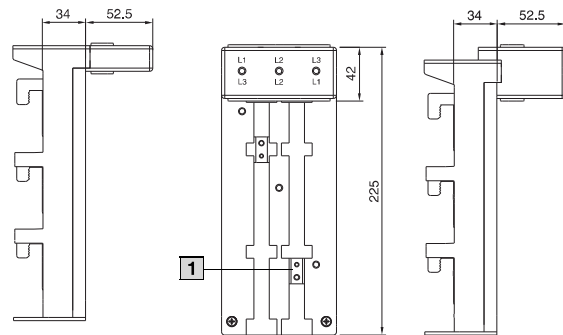


SV 9342.500/.510

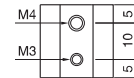


SV 9342.540/.550

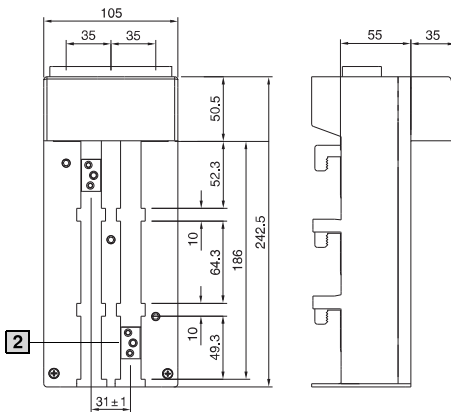
Comparable with SV 9342.500/.510



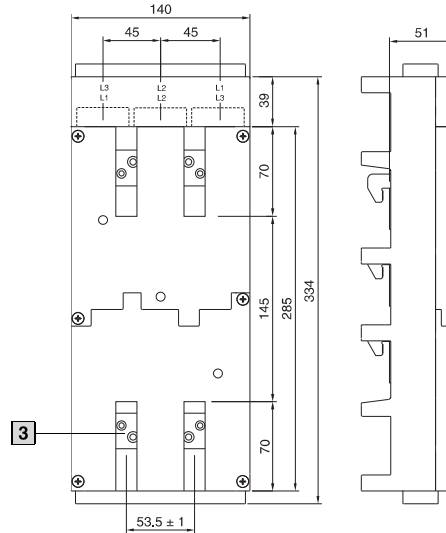
1 Sliding block SV 9342.560



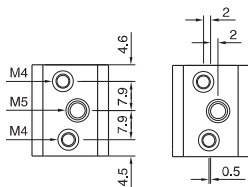
SV 9342.600/.610



SV 9342.700/.710



2 Sliding block SV 9342.640



3 Sliding block

