RiLine busbar systems (60 mm)

Circuit-breaker component adaptors

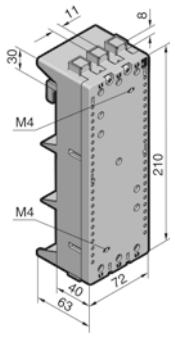
Rated current max. 100 – 125 A, 3-pole

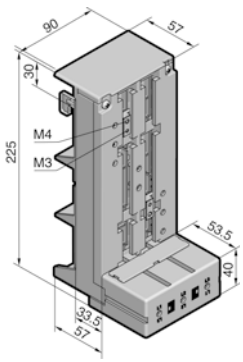
3-pole, for 60 mm bar systems

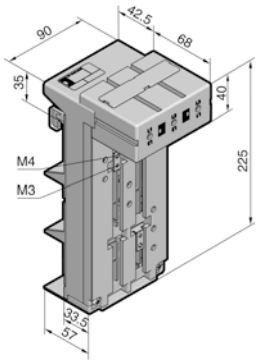
Note:
- Mounting positions for universal component configuration, see chapter 2-112, page 4
- Technical information on the connection of conductors and conductor connectors, see chapter 2-101, page 4

Approvals:

c UL us LISTED
E191125





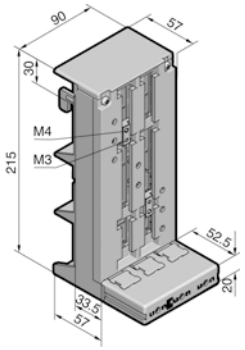
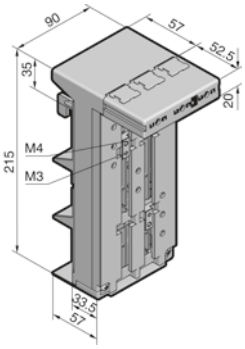


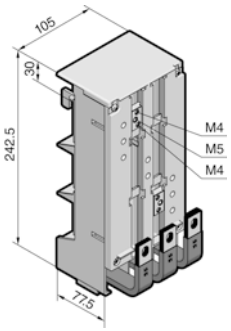
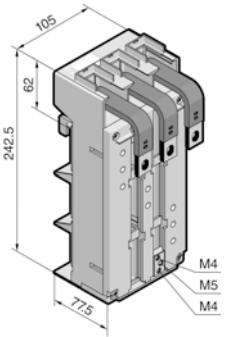
Rated current max.	IEC	100 A	100 A	125 A	125 A
	UL	100 A	100 A	125 A	125 A
Rated operating voltage	IEC	690 V AC	690 V AC	690 V AC	690 V AC
	UL	600 V AC	600 V AC	600 V AC	600 V AC
Cable outlet		Top	Bottom	Top	Bottom
Model No. SV		**9342.400** UL	**9342.410** UL	**9342.540** UL	**9342.550** UL
Assembly data for applications to IEC (EN)					
Tightening torque Nm – Bar attachment – Terminal screw – Switchgear attachment		2 3 1.5	2 3 1.5	6 12 1.5	6 12 1.5
Connection of round conductors mm²		10 – 35	10 – 35	35 – 120	35 – 120
Clamping area for laminated copper bars W x H mm		10 x 7.8	10 x 7.8	18.5 x 15.5	18.5 x 15.5
Assembly data for applications to UL					
Tightening torque Nm – Bar attachment – Terminal screw – Switchgear attachment		2 5 1.5	2 5 1.5	6 12 1.5	6 12 1.5
Connection of round conductors		AWG 2 – 6	AWG 2 – 6	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	Sheet steel, zinc-plated	■	■	–	–
	Cast brass, nickel-plated	–	–	■	■

[1)] Number of lamina x lamina width x lamina thickness

Circuit-breaker component adaptors

Rated current max. 160 – 250 A, 3-pole

3-pole, for 60 mm bar systems **Note:** – Mounting positions for universal component configuration, see chapter 2-112, page 4 – Technical information on the connection of conductors and conductor connectors, see chapter 2-101, page 4		
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 – Bar attachment – Terminal screw – Switchgear attachment	 6 12 1.5	 6 12 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	■	■

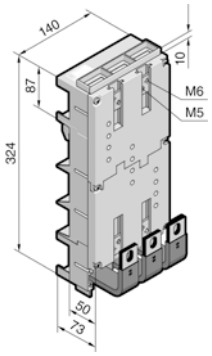
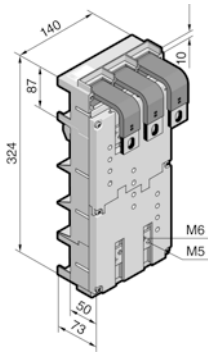
3-pole, for 60 mm bar systems **Note:** – Mounting positions for universal component configuration, see chapter 2-112, page 4		
Rated current max.	250 A	250 A
Rated operating voltage	690 V AC	690 V AC
With laminated connection mm[1)]	18 x 18 x 0.3	18 x 18 x 0.3
Cable outlet	Top	Bottom
Model No. SV	**9345.600**	**9345.610**
Assembly data for applications to IEC (EN)		
Tightening torque Nm – Bar attachment – Switchgear attachment	 6 1.5	 6 1.5
Material specifications		
Contact track: E-Cu	■	■

[1)] Number of lamina x lamina width x lamina thickness

RiLine busbar systems (60 mm)

Circuit-breaker component adaptors

Rated current max. 400 – 630 A, 3-pole

3-pole, for 60 mm bar systems **Note:** – Mounting positions for universal component configuration, see chapter 2-112, page 4					
Rated current max.	IEC	400 A	630 A	400 A	630 A
	UL	400 A	600 A	400 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
With laminated connection mm[1)]		20 x 29 x 0.3	32 x 29 x 0.3	20 x 29 x 0.3	32 x 29 x 0.3
Cable outlet		Top	Top	Bottom	Bottom
Model No. SV		**9345.720**	**9345.700**	**9345.730**	**9345.710**
Assembly data for applications to IEC (EN)					
Tightening torque Nm – Bar attachment – Switchgear attachment		 14 2.5	 14 2.5	 14 2.5	 14 2.5
Material specifications					
Contact track: E-Cu		■	■	■	■

[1)] Number of lamina x lamina width x lamina thickness

Circuit-breaker component adaptors

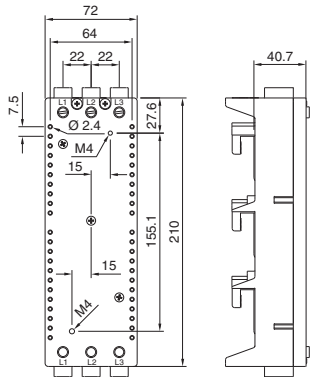
In addition to direct population of circuit-breaker component adaptors with the circuit-breakers specified in the Catalogue, the circuit-breaker component adaptors may also be individually populated with switchgear.

In this regard, please ensure that

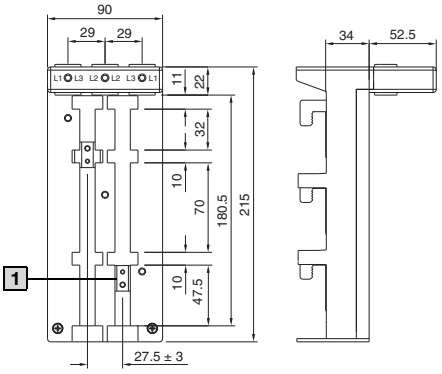
- the mounting points of the switchgear are within the setting range of the sliding blocks,
- the switchgear may be mounted on the adaptor with respect to the external dimensions and connection range.

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

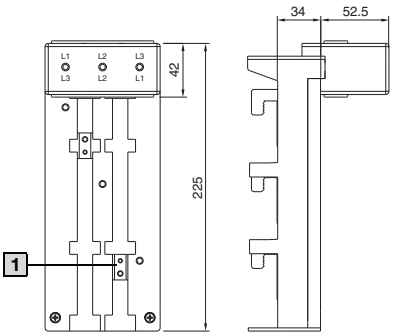
SV 9342.400/.410



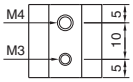
SV 9342.500/.510



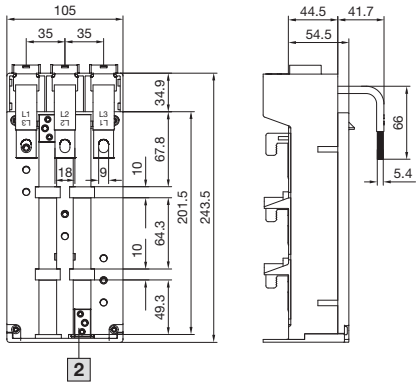
SV 9342.540/.550
Comparable with SV 9342.500/.510



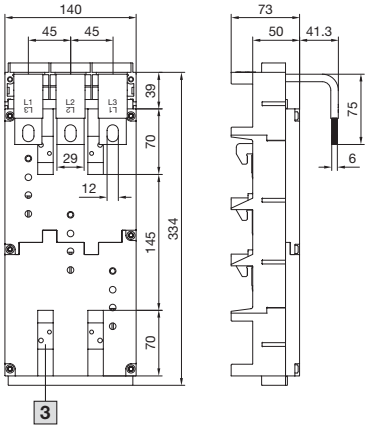
1 Sliding block
SV 9342.560



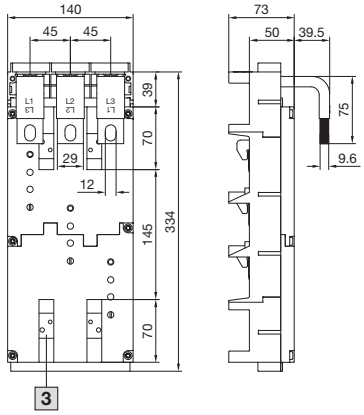
SV 9345.600/.610



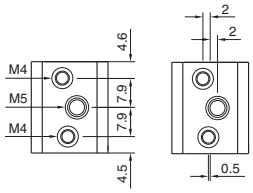
SV 9345.700/.720



SV 9345.710/.730



2 Sliding block
SV 9342.640



3 Sliding block
SV 9342.720