RiLine busbar systems (60 mm)

Circuit-breaker component adaptors

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

IEC100 A100 ARated current max.IEC100 A100 ARated operating voltageIEC690 V AC690 V ACRated operating voltageIEC690 V AC690 V ACCable outletTopBottomModel No. SV9342.400 (k)9342.410 (k)Bar attachment22Bar attachment22Tightening torque Nm22Bar attachment1.51.5Connection of round conductors mm²10 x 7.8Clamping area for laminated copper bars10 x 7.8W X H mm22Connection of round conductorsAWG 2 - 6Assembly data for applications to ULTightening torque Nm2Bar attachment1.5Connection of round conductorsAWG 2 - 6Assembly data for applications to ULTightening torque Nm2Bar attachment1.5Connection of round conductorsAWG 2 - 6Awd 2 - MCM 250AWG 2 - MCM 250Connection of round conductorsAWG 2 - 6Material specificationsImage: Starse minimizedContact trackE-Cu, nickel-platedImage: Starse minimizedConductorChek steel, zinc-platedImage: Starse minimizedConductorChek steel, zinc-platedImage: Starse minimizedConductorChek steel, zinc-platedImage: Starse minimizedConductorChek steel, zinc-platedImage: Starse minimizedConductorChek steel, zinc-plated	see chapter 2-1 – Technical inform	ons for onent configuration, 12, page 4 ation no fo conductors connectors,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	B T 000		225 0 0 0 0 0 0 0 0 0 0 0 0 0	BO TOP TOP TOP TOP TOP TOP TOP TOP TOP TO
UL 100 A 100 A 125 A 125 A Rated operating voltage IEC 690 V AC 600 V AC 60 V AC 60 V AC <td>Datad ourrant may</td> <td>IEC</td> <td>100 A</td> <td>100 A</td> <td></td> <td>125 A</td> <td>125 A</td>	Datad ourrant may	IEC	100 A	100 A		125 A	125 A
Rated operating voltageUL600 V AC600 V AC600 V ACCable outletTopBottomTopBottomModel No. SV9342.400 (k)9342.410 (k)9342.500 (k)9342.550 (k)Assembly data for applications to IEC (EN)Tightening torque Nm22Bar attachment2266- Terminal screw331.51.5Connection of round conductors mm²10 – 3510 – 3535 – 12035 – 120Clamping area for laminated copper bars10 x 7.810 x 7.818.5 x 15.518.5 x 15.5M x H mm2266Bar attachment2266Clamping area for laminated copper bars10 x 7.810 x 7.818.5 x 15.518.5 x 15.5M x H mm22266Bar attachment22266- Terminal screw551.51.51.5Switchgear attachment1.51.51.51.51.5Connection of round conductorsAWG 2 – 6AWG 2 – 6AWG 2 – MCM 250AWG 2 – MCM 250Connection of laminated copper bars mm––10 x 15.5 x 0.8 ¹¹ 10 x 15.5 x 0.8 ¹¹ Material specificationsEEEEEEEEContact trackE-Qu, nickel-platedEE––––ConductorSheet steel, zinc-platedEE––– <td>haled current max</td> <td>UL</td> <td>100 A</td> <td>100 A</td> <td></td> <td>125 A</td> <td>125 A</td>	haled current max	UL	100 A	100 A		125 A	125 A
Cable outletTopBottomCable outletTopBottomModel No. SV9342.400 (a)9342.410 (b)TopAssembly data for applications to IEC (EN)Tightening torque Nm22Bar attachment22Switchgear attachment1.51.5Connection of round conductors mm²10 – 3510 – 35Clamping area for laminated copper bars10 x 7.810 x 7.8W x H mm22Tightening torque Nm2Bar attachment1.51.5Clamping area for laminated copper bars10 x 7.810 x 7.8W x H mm22Connection of round conductors22Connection of round conductors22Connection of round conductors4WG 2 – 6Awed 2 – 6AWG 2 – 6Awed 2 – 6AWG 2 – 6Connection of round conductorsAWG 2 – 6Connection of laminated copper bars mm–Top10 x 15.5 x 0.8 ¹⁰ Material specificationsIContact trackE-Cu, nickel-platedIConductorSheet steel, zinc-platedIOnductorSheet steel, zinc-platedI	Rated operating vo	IEC	690 V AC	690 V AC		690 V AC	690 V AC
Model No. SV 9342.400 (k) 9342.410 (k) 9342.550 (k) Assembly data for applications to IEC (EN) Tightening torque Nm 2 2 6 6 6 6 6 6 6 6 6 6 6 7 12 15 1.5 <t< td=""><td>nated operating vo</td><td>UL</td><td>600 V AC</td><td>600 V AC</td><td></td><td>600 V AC</td><td>600 V AC</td></t<>	nated operating vo	UL	600 V AC	600 V AC		600 V AC	600 V AC
Assembly data for applications to IEC (EN) Tightening torque Nm 2 2 - Terminal screw 3 3 - Switchgear attachment 1.5 1.5 - Switchgear attachment 1.5 1.5 Connection of round conductors mm ² 10 – 35 10 – 35 Clamping area for laminated copper bars 10 x 7.8 10 x 7.8 18.5 x 15.5 Assembly data for applications to UL Tightening torque Nm 6 6 - Bar attachment 2 2 6 6 - Terminal screw 5 5 18.5 x 15.5 18.5 x 15.5 Tightening torque Nm 2 2 6 6 - Switchgear attachment 2 2 6 6 - Switchgear attachment 1.5 1.5 1.5 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 ¹¹ 10 x 15.5 x 0.8 ¹¹ Material specifications -	Cable outlet		Тор	Bottom		Тор	Bottom
Tightening torque Nm - Bar attachment2 2 3 3 - Switchgear attachment2 2 3 3 1.52 6 1.5Connection of round conductors mm² $10 - 35$ $10 - 35$ 12 1.5 12 1.5Connection of round conductors mm² $10 - 35$ $10 - 35$ $35 - 120$ Clamping area for laminated copper bars W x H mm 10×7.8 10×7.8 10×7.8 Assembly data for applications to ULTightening torque Nm - Bar attachment2 2 5 52 6 6 126 6 6 6 12Tightening screw 5 5 5 1.5 1.5 1.5 Connection of round conductorsAWG 2 - 6AWG 2 - 6 $AWG 2 - MCM 250$ $AWG 2 - MCM 250$ Connection of laminated copper bars mm $ 10 \times 15.5 \times 0.8^{10}$ Material specifications \bullet \bullet \bullet \bullet ConductorSheet steel, zinc-plated \bullet \bullet $ -$	Model No. SV		9342.400 🕕	9342.410 🕕		9342.540 🕕	9342.550 🕕
- Bar attachment 2 2 6 6 6 - Terminal screw 3 3 12 12 12 - Switchgear attachment 1.5 1.5 1.5 1.5 1.5 1.5 Connection of round conductors mm ² 10 – 35 10 – 35 35 – 120 35 – 120 35 – 120 Clamping area for laminated copper bars 10 x 7.8 10 x 7.8 18.5 x 15.5 18.5 x 15.5 18.5 x 15.5 Assembly data for applications to UL - - 6 6 6 6 Tightening torque Nm 2 2 2 1.5 1.5 1.5 1.5 1.5 - Terminal screw 5 5 5 1.5 <	Assembly data for	or applications to IEC (EN)					
Clamping area for laminated copper bars 10 x 7.8 10 x 7.8 18.5 x 15.5 Assembly data for applications to UL Image: Contact track E-Cu, nickel-plated 2 2 6 1.5<	 Bar attachment Terminal screw Switchgear attac 	hment	3 1.5	3 1.5		12 1.5	12 1.5
W x H mm 10 x 7.8 10 x 15.5 x 0.8 10 x 15.5 x 0.8 10 x 15.5 x 0.8^1) <			10 – 35	10 – 35	-	35 – 120	35 – 120
Tightening torque Nm 2 2 Bar attachment 2 2 - Terminal screw 5 5 - Switchgear attachment 1.5 1.5 - 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 Sheet steel, zinc-plated •	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
- Bar attachment 2 2 6 6 - Terminal screw 5 5 12 12 - Switchgear attachment 1.5 1.5 1.5 1.5 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 Image: Contact track E-Cu, nickel-plated Image: Conductor Image:	Assembly data for	or applications to UL					
Connection of laminated copper bars mm - - 10 x 15.5 x 0.8 ¹) 10 x 15.5 x 0.8 ¹) Material specifications E-Cu, nickel-plated Image: Conduct or track with the second sec	– Bar attachment – Terminal screw		1.5	5 1.5		12 1.5	12 1.5
Material specifications Contact track E-Cu, nickel-plated Image: Conductor		Connection of round conductors		AWG 2 – 6			
Contact track E-Cu, nickel-plated Conductor Sheet steel, zinc-plated			-	-		10 x 15.5 x 0.8 ¹⁾	10 x 15.5 x 0.8 ¹⁾
Conductor Sheet steel, zinc-plated	· · · · ·						
	Contact track		•				•
connection clamp Cast brass, nickel-plated – – –			•			-	_
	connection clamp	Cast brass, nickel-plated	-	-			

¹⁾Number of lamina x lamina width x lamina thickness

RiLine busbar systems (60 mm)

Circuit-breaker component adaptors

Rated current max.	160 - 250	A, 3-pole
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 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 	S12	215 200 200 200 200 200 200 200 200 200 20
Rated current max.	160 A	160 A
Rated operating voltage	690 V AC	690 V AC
Cable outlet	Тор	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		

		778 M4 M4 M4
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	Тор	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 Å, 3-pole



¹⁾ Number of lamina x lamina width x lamina thickness

Technical details/Power distribution/02.2014

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SV 9345.710/.730



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Comparable with SV 9342.500/.510



The detailed drawings below should serve as

templates for checking the required mounting

position.

SV 9342.540/.550

Power distribution

Circuit-breaker component adaptors

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

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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.

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SV 9342.500/.510

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SV 9342.560



SV 9345.600/.610

SV 9342.400/.410

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2 Sliding block SV 9342.640

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3 Sliding block SV 9342.720







1 Sliding block



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