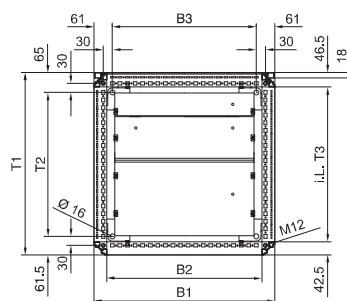
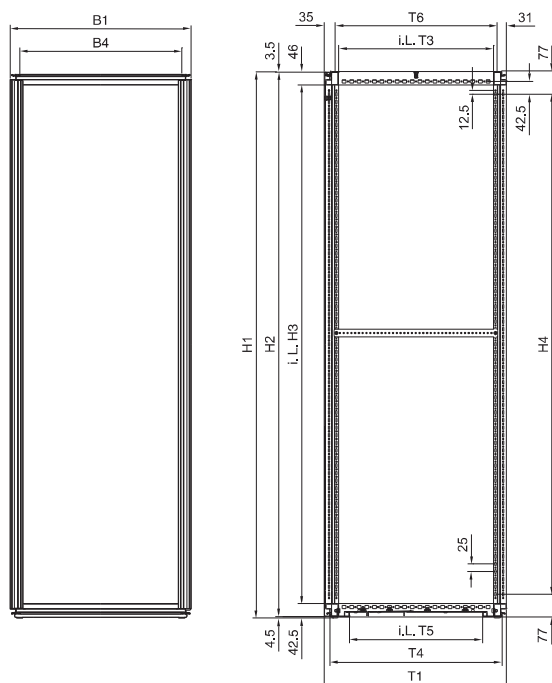


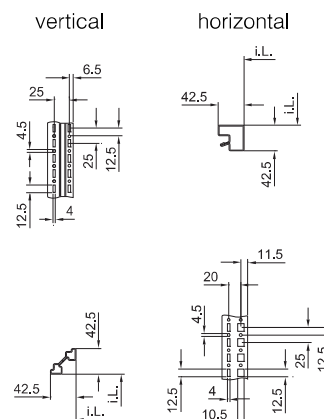
SV-TS 8 modular enclosures

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Cross-sections



i.L. = Clearance width



Model No. SV	Width dimensions mm				Height dimensions mm				Depth dimensions mm					
	B1	B2	B3	B4	H1	H2	H3	H4	T1	T2	T3	T4	T5	T6
9670.406	397	312	275	335	2005	1997	1912	1850	601.5	475	512	568	440	535
9670.408	397	312	275	335	2005	1997	1912	1850	801.5	675	712	768	640	735
9670.426	397	312	275	335	2205	2197	2112	2050	601.5	475	512	568	440	535
9670.428	397	312	275	335	2205	2197	2112	2050	801.5	675	712	768	640	735
9670.486	397	312	275	335	1805	1797	1712	1650	601.5	475	512	568	440	535
9670.606	597	512	475	535	2005	1997	1912	1850	601.5	475	512	568	440	535
9670.608	597	512	475	535	2005	1997	1912	1850	801.5	675	712	768	640	735
9670.626	597	512	475	535	2205	2197	2112	2050	601.5	475	512	568	440	535
9670.628	597	512	475	535	2205	2197	2112	2050	801.5	675	712	768	640	735
9670.686	597	512	475	535	1805	1797	1712	1650	601.5	475	512	568	440	535
9670.806	797	712	675	735	2005	1997	1912	1850	601.5	475	512	568	440	535
9670.808	797	712	675	735	2005	1997	1912	1850	801.5	675	712	768	640	735
9670.826	797	712	675	735	2205	2197	2112	2050	601.5	475	512	568	440	535
9670.828	797	712	675	735	2205	2197	2112	2050	801.5	675	712	768	640	735
9670.886	797	712	675	735	1805	1797	1712	1650	601.5	475	512	568	440	535

- B1 = Overall width
- B2 = Clearance of enclosure frame
- B3 = Section length of system punchings/
hole spacing base/plinth attachment
- B4 = Distance between the lifting eyes
- H1 = Overall height
- H2 = Height of rear panel
- H3 = Clearance of enclosure frame
- H4 = Section length of system punchings
- T1 = Overall depth
- T2 = Section length of system punchings/
hole spacing base/plinth attachment
- T3 = Clearance of enclosure frame
- T4 = Depth of base frame
- T5 = Clearance of base opening
- T6 = Centre of lifting eye to centre of lifting eye

Technical information

System data

SV-TS 8 enclosures

for air circuit-breakers and moulded case circuit-breakers (ACB + MCCB)

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Enclosures				
Mechanical characteristics	Dimensions	Enclosure width	400/600/800 mm ³⁾	
		Enclosure height	1800/2000/2200 mm ³⁾	
		Enclosure depth	600/800 mm ³⁾	
		Pitch pattern	25 mm	
	Protection category		Max. IP 54	IEC 60 529
	Design		1 – 4	EN 61 439-1/-2
	Surface protection/ Material	Enclosure frame	Dipcoat-primed	
		Panels (roof plate, rear panel)	Dipcoat-primed, powder-coated in RAL 7035 on the outside	
		System attachment	Stainless steel	
		System rails and punched sections with mounting flanges	Sheet steel, zinc-plated	

General ratings data

Electrical characteristics	Rated voltage	Rated insulation voltage U_i	1000 V	EN 61 439-1/-2
		Rated operating voltage U_o	690 V	
		Rated surge voltage resistance U_{imp}	8 kV	
		Overvoltage category	IV	
		Level of contamination	3	
		Rated frequency	50 Hz	

Maxi-PLS busbar system			Maxi-PLS 1600	Maxi-PLS 2000	Maxi-PLS 3200	
Electrical characteristics	Rated current (primary busbar)	Rated operating current I ₀ ⁴⁾	1400 A	1800 A	2800 A	IP 54
			1600 A	2000 A	3000 A	IP 2X ¹⁾
			1800 A	2500 A	4000 A	IP 2X ²⁾
		Rated surge current resistance I _{pk}	110 kA			220 kA
	Rated short-time current resistance I _{cw}	50 kA			100 kA	
	Testing under accidental arc conditions	Permissible prospective short-circuit current	50 kA			70 kA
Test voltage		420 V				
Permissible arc duration		0.3 sec.				
Mechanical characteristics	Busbar	Material	E-Cu, bare			
		External dimensions (cross-section)	45 x 45 mm (1000 mm ²)	45 x 45 mm (1380 mm ²)	60 x 60 mm (2700 mm ²)	

RiLine60 busbar system			E-Cu 30 x 10 mm		PLS 1600		
Electrical characteristics	Rated current (primary busbar)	Rated operating current I _b ⁴⁾	800 A		1150 A		IP 54
			860 A		1300 A		IP 43
			1000 A ⁵⁾		1600 A ²⁾		IP 2X
		Rated surge current resistance I _{pk}	68 kA		110 kA		EN 61 439-1/-2
	Rated short-time current resistance I _{cw}	32 kA, 1 sec.		50 kA, 1 sec./50 kA, 3 sec.			
	Testing under accidental arc conditions	Permissible prospective short-circuit current	30 kA		50 kA		EN 61 641
Test voltage		690 V					
Permissible arc duration		0.3 sec.					
Mechanical characteristics	Busbar	Material	E-Cu, bare				
		Version (cross-section)	30 x 10 mm (300 mm ²)		PLS 1600 (900 mm ²)		

Flat-PLS busbar system			Flat-PLS 60	Flat-PLS 100	
Electrical characteristics	Rated current (primary busbar)	Rated operating current $I_o^{4)}$	2360 A	3120 A	IP 54
			2540 A	3400 A	IP 43
			4100 A ²⁾	5500 A ²⁾	IP 2X
		Rated surge current resistance I_{pk}	154 kA	220 kA	EN 61 439-1/-2
		Rated short-time current resistance I_{cw}	70 kA, 1 sec.	100 kA, 1 sec.	
Mechanical characteristics	Busbar	Material	E-Cu, bare		
		Version (cross-section)	Up to 4 x 60 x 10 mm (max. 2400 mm ²)	Up to 4 x 100 x 10 mm (max. 4000 mm ²)	

¹⁾ Using outlet filter SK 3243.600 and roof plate IP 2X.

²⁾ Using fan-and-filter unit SK 3244.100 (700 m³/h) and roof plate IP 2X.

³⁾ Other sizes available on request.

⁴⁾ Other rated currents for different protection categories on request.

⁵⁾ Using fan-and-filter unit SK 3241.100 (230 m³/h) and roof plate IP 2X.

SV-TS 8 enclosures

for coupling sections

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Enclosures				
Mechanical characteristics	Dimensions	Enclosure width	600/800/1000 mm ³⁾	
		Enclosure height	2000/2200 mm ³⁾	
		Enclosure depth	600/800 mm ³⁾	
		Pitch pattern	25 mm	
	Protection category		Max. IP 54	IEC 60 529
	Design		1 – 4	EN 61 439-1/-2
	Surface protection/ Material	Enclosure frame	Dipcoat-primed	
		Panels (roof plate, rear panel)	Dipcoat-primed, powder-coated in RAL 7035 on the outside	
		System attachment	Stainless steel	
		System rails and punched sections with mounting flanges	Sheet steel, zinc-plated	

General ratings data				
Electrical characteristics	Rated voltage	Rated insulation voltage U_i	1000 V	EN 61 439-1/-2
		Rated operating voltage U_o	690 V	
		Rated surge voltage resistance U_{imp}	8 kV	
		Overvoltage category	IV	
		Level of contamination	3	
		Rated frequency	50 Hz	

Maxi-PLS busbar system			Maxi-PLS 1600	Maxi-PLS 2000	Maxi-PLS 3200		
Electrical characteristics	Rated current (primary busbar)	Rated operating current I _e ⁴⁾	1400 A	1800 A	2800 A	For IP 54	
			1600 A	2000 A	3000 A	For IP 2X ¹⁾	
			1800 A	2500 A	4000 A	For IP 2X ²⁾	
		Rated surge current resistance I _{pk}		110 kA		165 kA	EN 61 439-1/-2
	Rated short-time current resistance I _{cw}		50 kA		75 kA		
	Testing under accidental arc conditions	Permissible prospective short-circuit current	50 kA			70 kA	EN 61 641
		Test voltage	420 V				
Permissible arc duration		0.3 sec.					
Mechanical characteristics	Busbar	Material	E-Cu, bare				
		External dimensions (cross-section)	45 x 45 mm (1000 mm ²)	45 x 45 mm (1380 mm ²)	60 x 60 mm (2700 mm ²)		

RiLine60 busbar system			E-Cu 30 x 10 mm	PLS 1600	
Electrical characteristics	Rated current (primary busbar)	Rated operating current I _e ⁴⁾	800 A	1150 A	IP 54
			860 A	1300 A	IP 43
			1000 A ⁵⁾	1600 A ²⁾	IP 2X
		Rated surge current resistance I _{pk}	68 kA	110 kA	EN 61 439-1/-2
	Rated short-time current resistance I _{cw}	32 kA, 1 sec.	50 kA, 1 sec./50 kA, 3 sec.		
	Testing under accidental arc conditions	Permissible prospective short-circuit current	30 kA	50 kA	EN 61 641
Test voltage		690 V			
Permissible arc duration		0.3 sec.			
Mechanical characteristics	Busbar	Material	E-Cu, bare		
		Version (cross-section)	30 x 10 mm (300 mm ²)	PLS 1600 (900 mm ²)	

Flat-PLS busbar system			Flat-PLS 60	Flat-PLS 100	
Electrical characteristics	Rated current (primary busbar)	Rated operating current $I_o^{4)}$	2360 A	3120 A	IP 54
			2540 A	3400 A	IP 43
			4100 A ²⁾	5500 A ²⁾	IP 2X
		Rated surge current resistance I_{pk}	154 kA	220 kA	EN 61 439-1/-2
		Rated short-time current resistance I_{cw}	70 kA, 1 sec.	100 kA, 1 sec.	
Mechanical characteristics	Busbar	Material	E-Cu, bare		
		Version (cross-section)	Up to 4 x 60 x 10 mm (max. 2400 mm ²)	Up to 4 x 100 x 10 mm (max. 4000 mm ²)	

¹⁾ Using outlet filter SK 3243.600 and roof plate IP 2X.

²⁾ Using fan-and-filter unit SK 3244.100 (700 m³/h) and roof plate IP 2X.

³⁾ Other sizes available on request.

⁴⁾ Other rated currents for different protection categories on request.

⁵⁾ Using fan-and-filter unit SK 3241.100 (230 m³/h) and roof plate IP 2X.

Technical information

System data

SV-TS 8 enclosures

for modular outgoing sections

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Enclosures				
Mechanical characteristics	Dimensions	Enclosure width	400/600/800 mm ³⁾	
		Enclosure height	1800/2000/2200 mm ³⁾	
		Enclosure depth	600/800 mm ³⁾	
		Pitch pattern	25 mm	
	Protection category		Max. IP 54	IEC 60 529
	Design		1 – 4	EN 61 439-1/-2
	Surface protection/ Material	Enclosure frame	Dipcoat-primed	
		Panels (roof plate, rear panel)	Dipcoat-primed, powder-coated in RAL 7035 on the outside	
		System attachment	Stainless steel	
		System rails and punched sections with mounting flanges	Sheet steel, zinc-plated	

General ratings data				
Electrical characteristics	Rated voltage	Rated insulation voltage U_i	1000 V	EN 61 439-1/-2
		Rated operating voltage U_e	690 V	
		Rated surge voltage resistance U_{imp}	8 kV	
		Overvoltage category	IV	
		Level of contamination	3	
		Rated frequency	50 Hz	

Maxi-PLS busbar system			Maxi-PLS 1600	Maxi-PLS 2000	Maxi-PLS 3200	
Electrical characteristics	Rated current (primary busbar)	Rated operating current I _e ⁴⁾	1400 A	1800 A	2800 A	For IP 54
			1600 A	2000 A	3000 A	For IP 2X ¹⁾
			1800 A	2500 A	4000 A	For IP 2X ²⁾
		Rated surge current resistance I _{pk}		110 kA		220 kA
	Rated short-time current resistance I _{cw}		50 kA		100 kA	
	Permissible prospective short-circuit current		50 kA		70 kA	
	Testing under accidental arc conditions	Test voltage	690 V			
Permissible arc duration		0.3 sec.				
Mechanical characteristics	Busbar	Material	E-Cu, bare			
		External dimensions (cross-section)	45 x 45 mm (1000 mm ²)	45 x 45 mm (1380 mm ²)	60 x 60 mm (2700 mm ²)	

RiLine60 busbar system			E-Cu 30 x 10 mm		PLS 1600			
Electrical characteristics	Rated current (primary busbar)	Rated operating current I _o ⁴⁾	800 A		1150 A		IP 54	
			860 A		1300 A		IP 43	
			1000 A ⁵⁾		1600 A ²⁾		IP 2X	
		Rated surge current resistance I _{pk}		68 kA		110 kA		EN 61 439-1/-2
		Rated short-time current resistance I _{cw}		32 kA, 1 sec.		50 kA, 1 sec./50 kA, 3 sec.		
	Rated current (distribution busbar)	Rated operating current I _o ⁴⁾	800 A		1600 A ⁶⁾		IP 54	
			860 A		1600 A ⁶⁾		IP 43	
			1000 A ⁵⁾		1600 A ²⁾		IP 2X	
		Rated surge current resistance I _{pk}		68 kA		110 kA		EN 61 439-1/-2
		Rated short-time current resistance I _{cw}		32 kA, 1 sec.		50 kA, 1 sec./50 kA, 3 sec.		
	Testing under accidental arc conditions	Permissible prospective short-circuit current		30 kA		50 kA		EN 61 641
Test voltage		690 V						
Permissible arc duration		0.3 sec.						
Mechanical characteristics	Busbar	Material		E-Cu, bare				
		Version (cross-section)		30 x 10 mm (300 mm ²)		PLS 1600 (900 mm ²)		

Flat-PLS busbar system		Flat-PLS 60	Flat-PLS 100	
Electrical characteristics	Rated current (primary busbar)	Rated operating current $I_e^{4)}$		IP 54
		2360 A	3120 A	IP 43
		2540 A	3400 A	IP 2X
		4100 A ²⁾	5500 A ²⁾	
Mechanical characteristics	Busbar	Rated surge current resistance I_{pk}		220 kA
		Rated short-time current resistance I_{cw}		70 kA, 1 sec.
		Material		E-Cu, bare
		Version (cross-section)		
Mechanical characteristics	Busbar	Up to 4 x 60 x 10 mm (max. 2400 mm ²)		Up to 4 x 100 x 10 mm (max. 4000 mm ²)

¹⁾ Using outlet filter SK 3243.600 and roof plate IP 2X.

²⁾ Using fan-and-filter unit SK 3244.100 (700 m³/h) and roof plate IP 2X.

³⁾ Other sizes available on request.

⁴⁾ Other rated currents for different protection categories on request.

⁵⁾ Using fan-and-filter unit SK 3241.100 (230 m³/h) and roof plate IP 2X.

⁶⁾ In conjunction with RiLine60 as the main busbar system: Rated currents on request.