

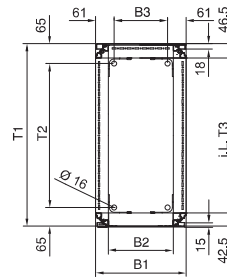
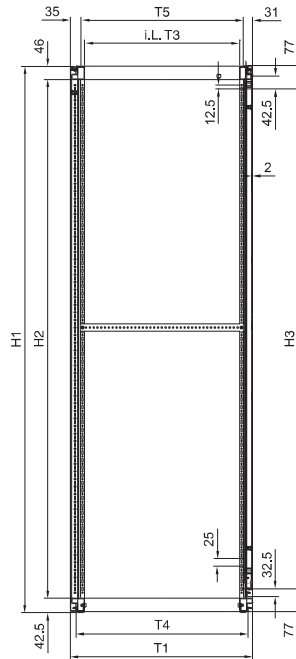
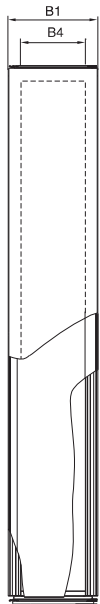
# Enclosures

## Enclosure systems

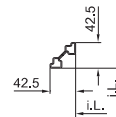
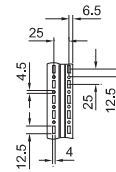
### SV-TS 8 busbar enclosures

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Cross-sections



vertical



i.L. = Clearance width

Model No. SV	Width dimensions mm				Height dimensions mm			Depth dimensions mm				
	B1	B2	B3	B4	H1	H2	H3	T1	T2	T3	T4	T5
9670.206	197	112	75	75	1997	1912	1850	605	475	512	561	535
9670.208	197	112	75	75	1997	1912	1850	805	675	712	761	735
9670.226	197	112	75	75	2197	2112	2050	605	475	512	561	535
9670.228	197	112	75	75	2197	2112	2050	805	675	712	761	735

- 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 = Clearance of enclosure frame
- H3 = 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 = Centre of lifting eye to centre of lifting eye

### SV-TS 8 enclosures

#### for busbar sections

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Enclosures				
Mechanical characteristics	Dimensions	Enclosure width	200/300/400 mm <sup>3)</sup>	
		Enclosure height	1800/2000/2200 mm <sup>3)</sup>	
	Enclosure depth	600/800 mm <sup>3)</sup>		
	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<sup>6)</sup>

			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 <sup>1)</sup>
			1800 A	2500 A	4000 A	For IP 2X <sup>2)</sup>
		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 <sup>2</sup> )	45 x 45 mm (1380 mm <sup>2</sup> )	60 x 60 mm (2700 mm <sup>2</sup> )	

#### RiLine60 busbar system<sup>6)</sup>

			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 <sup>5)</sup>	1600 A <sup>2)</sup>	IP 2X
		Rated surge current resistance $I_{pk}$	68 kA		110 kA
	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
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 <sup>2</sup> )	PLS 1600 (900 mm <sup>2</sup> )	

#### Flat-PLS busbar system<sup>6)</sup>

			Flat-PLS 60	Flat-PLS 100	
Electrical characteristics	Rated current (primary busbar)	Rated operating current $I_e^{4)}$	2360 A	3120 A	IP 54
			2540 A	3400 A	IP 43
			4100 A <sup>2)</sup>	5500 A <sup>2)</sup>	IP 2X
		Rated surge current resistance $I_{pk}$	154 kA		220 kA
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 <sup>2</sup> )	Up to 4 x 100 x 10 mm (max. 4000 mm <sup>2</sup> )	

<sup>1)</sup> Using outlet filter SK 3243.600 and roof plate IP 2X.

<sup>2)</sup> Using fan-and-filter unit SK 3244.100 (700 m<sup>3</sup>/h) and roof plate IP 2X.

<sup>3)</sup> Other sizes available on request.

<sup>4)</sup> Other rated currents for different protection categories on request.

<sup>5)</sup> Using fan-and-filter unit SK 3241.100 (230 m<sup>3</sup>/h) and roof plate IP 2X.

<sup>6)</sup> Usability of the various busbar systems depends on the enclosure width.