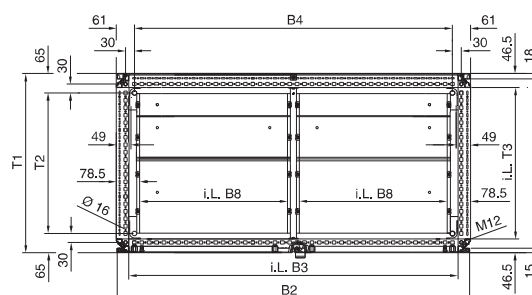
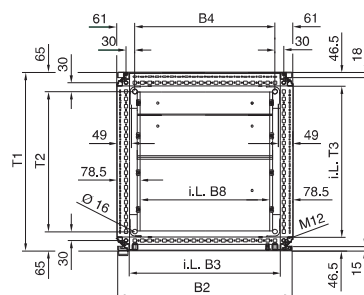
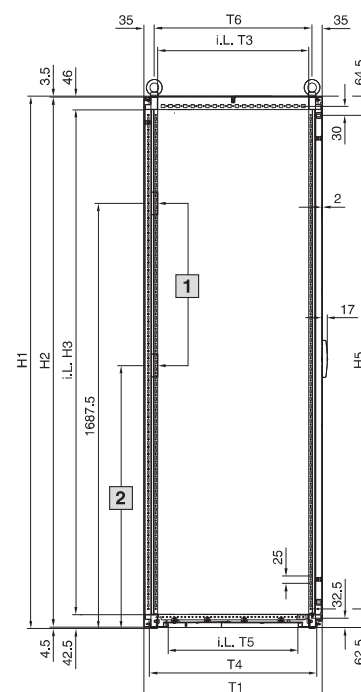
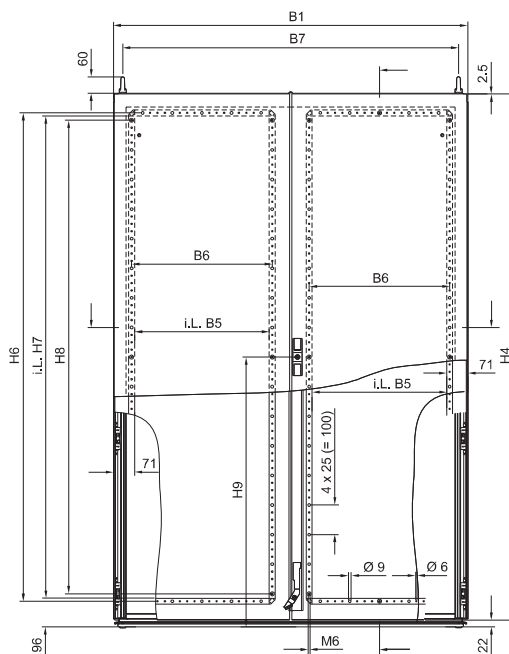
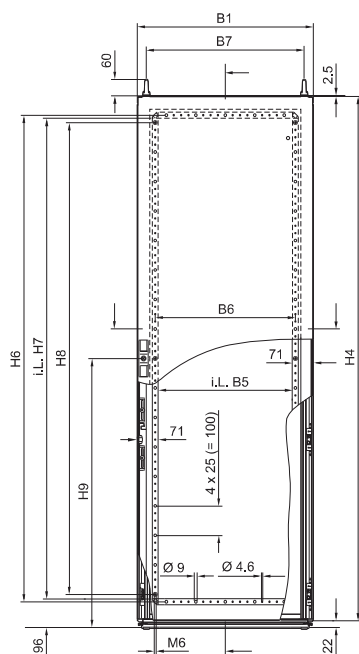


SV-TS 8 enclosures

For Rittal Ri4Power applications Catalogue 33, page 84, 85

SV 9660.605, SV 9660.635,
SV 9660.805, SV 9660.835

SV 9660.655, SV 9660.695,
SV 9660.855



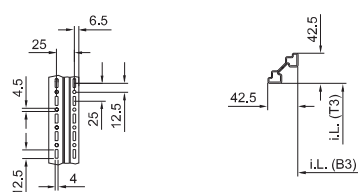
1 TS punched section with mounting flange, 23 x 73 mm

2 For Maxi-PLS
1600/2000 = 1037.5 mm
For Maxi-PLS
3200 = 1012.5 mm
(as delivered)

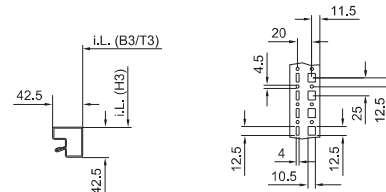
i.L. = Clearance width

Note:
With fitted side panels, the overall width (B1) is increased by 9 mm. Between bayed enclosures, allow 3 mm for the seal.

Cross-sections
vertical



horizontal



Model No. SV	Width dimensions mm								Height dimensions mm									Depth dimensions mm					
	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	H6	H7	H8	H9	T1	T2	T3	T4	T5	T6
9660.605	597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	535
9660.635	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	535
9660.655	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	535
9660.695	997	992	912	875	355	375	935	400	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	535
9660.805	597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	735
9660.835	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	735
9660.855	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	735

Enclosures

Enclosure systems

Enclosure

- B1 = Overall width
- B2 = Width of door
- B3 = Clearance of enclosure frame
- B4 = Section length of system punchings/
hole spacing base/plinth attachment
- B5 = Clearance of tubular door frame
- B6 = Distance between axes of tubular door
frame holes
- B7 = Distance between the lifting eyes
- B8 = Clearance in the base opening
- H1 = Overall height
- H2 = Height of rear panel
- H3 = Clearance of enclosure frame
- H4 = Height of door
- H5 = Section length of system punchings
- H6 = Distance between axes of tubular door
frame holes
- H7 = Clearance of tubular door frame
- H8 = Distance between the fastening bolts of the
tubular door frame
- H9 = Distance from base to centre of lock
- 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)

Catalogue 33, page 84 – 88

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 _o 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	EN 61 439-1/-2
		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	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 _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

Catalogue 33, page 84 – 88

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.