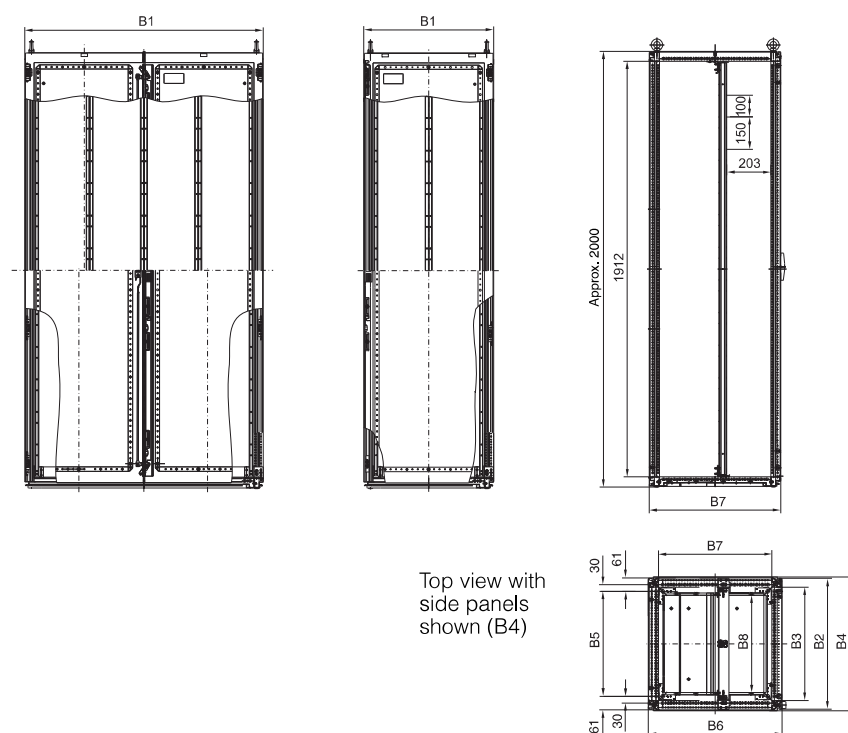


ISV-TS 8 enclosures

For ISV distribution enclosures up to 630 A Catalogue 33, page 82



Width dimensions mm								Model No. SV
B1	B2	B3	B4	B5	B6	B7	B8	
597	592	512	606	475	605	512	440	9665.905
847	842	762	856	725	605	512	690	9665.915
1097	1092	1012	1106	975	605	512	940	9665.925
597	592	512	606	475	405	312	440	9665.945
847	842	762	856	725	405	312	690	9665.955
1097	1092	1012	1106	975	405	312	940	9665.965

Technical specifications		
Rated current up to	400 A	630 A
Rated surge current resistance I_{pk} at a maximum busbar support centre distance of 300 mm	30 kA	48 kA
Rated insulation voltage U_i to VDE 0110	1000 V AC	
Cross-section of phase conductor L1 – L3	30 x 5 mm	30 x 10 mm
Cross-section of neutral conductor N	25 x 10 mm	25 x 10 mm
Cross-section of PE conductor	12 x 10 mm	12 x 10 mm
Protective measures	Protection class 1 (with PE conductor)	
Overvoltage category	3	3
IP protection category	IP 20 without door, IP 55 with door	

Enclosures

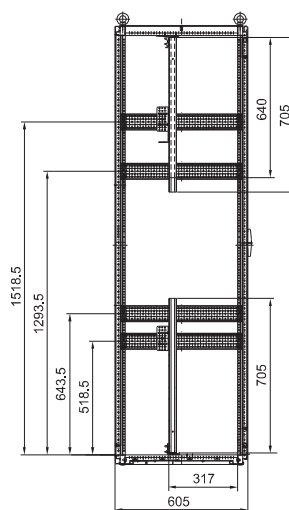
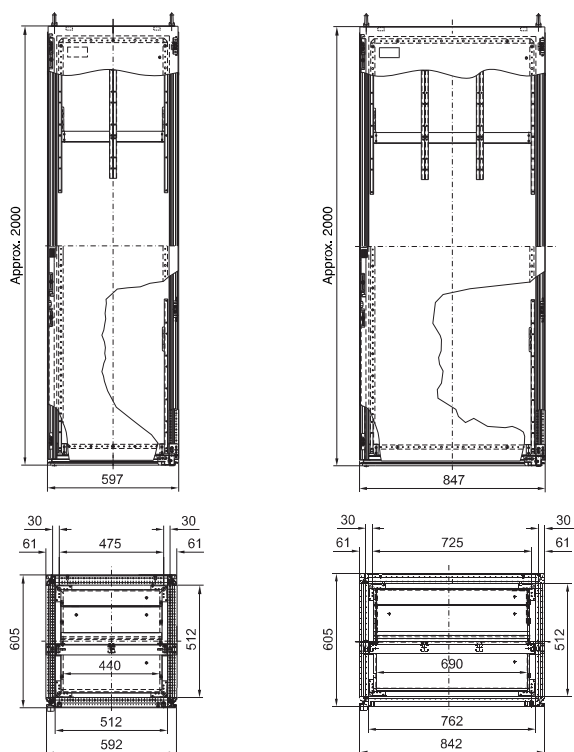
Enclosure systems

ISV-TS 8 enclosures

For distribution enclosures up to 1600 A Catalogue 33, page 83

SV 9665.975

SV 9665.985



Note:

- For assembly and space reasons, a contact hazard protection module with 4 height units (600 mm) and 2 or 3 width units (500 or 750 mm), depending on the enclosure selection, is always required on the inlet or outlet side.
- When using Rittal NH fuse-switch disconnectors size 00 – 3 – see page 306/307 – care should be taken to ensure that a contact hazard protection module with at least one height unit (150 mm) is always mounted over the NH disconnectors, for thermal reasons.
- The contact hazard protection modules to cover the NH fuse-switch disconnectors all round will need to be machined by the customer.

ISV-TS 8 enclosures

for distribution enclosures up to 1600 A

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Busbar system			Maxi-PLS 1600		Flat copper 80 x 10 mm		
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				
	Rated current (primary busbar)	Rated operating current I _e	1300 A	1200 A	For IP 55		
			1600 A	1500 A	For IP 1X ¹⁾		
			1600 A	1600 A	For IP 54 ²⁾		
		Rated surge current resistance I _{pk}	105 kA				
Rated short-time current resistance I _{cw}		50 kA		EN 61 439-1/-2			
Mechanical characteristics	Dimensions	Enclosure width Enclosure height Enclosure depth	600/850 mm 2000 mm ³⁾ 600 mm ³⁾				
		Pitch pattern	25 mm				
	Protection category		Max. IP 55		IEC 60 529		
	Design		1		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				
	Busbar	Material	E-Cu, bare				
		External dimensions (cross-section)	45 x 45 mm (1000 mm ²)	80 x 10 mm			
Operating and ambient conditions	Ambient temperature	Short-term peak	+40°C		EN 61 439-1/-2		
		Maximum on a 24 h average	+35°C				
		Low	−5°C				
	Atmospheric conditions	Normal climatic stress			EN 61 439-1/-2		
		Relative humidity	50% at 40°C				
			Operation up to 1000 m above sea level				

¹⁾ Using spacer DK 7967.000 for raising the roof.

²⁾ Using fan-and-filter unit SK 3243.100 (500 m³/h) and outlet filter SK 3243.200.

³⁾ Other sizes available on request