

SIEMENS

SIVACON® Features

- Type tested standard modules (TTA)
- Standardized busbar position at the top of the cubicle
- 3- and 4-pole busbar system up to 7400 A
- Rated peak withstand current I_{pk} up to 375 kA
- Deep switchgear compartment for universal installation
- Modular structure of device compartments
- Single-front and back-to-back installation
- Cable lead-in above and below
- Cable connection from the front and rear



Technical data

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Standards and Specifications	Type-tested low-voltage switchgear and control assembly (TTA) Testing of response to internal faults 2	IEC 60439-1, DIN EN 60439-1 (VDE 0660 Part 500) IEC 61641, VDE 0660 Part 500, Supplement	
Creepage distances and clearance	Rated impulse withstand voltage (U _{imp})	8kv	
	Overvoltage category	III	
	Pollution Degree	3	
Rated isolation voltage (U _i)		1000 V	
Rated operation voltage (U _e)		Up to 690 V	
Rated currents (I _n) Busbar (3-pole and 4-pole)	Main horizontal busbar	Rated current Rated	up to 7400A
		Peak withstand current (I _p)	up to 375kA
		Rated short-term withstand current(I _{cs})	up to 150kA 1s up to 120
	Vertical busbar for circuit breaker	Rated current	Ka, 3sUp to 6300A
		Peak withstand current (I _p)	Up to 250 kA
		Rated short-term withstand current(I _{cs})	Up to 100 kA
	Vertical Busbar for fixed-mounted design	Rated current	1S up to 80 kA, 3SUp to 1400A
		Peak withstand current (I _p)	Up to 163 kA
		Rated short-term withstand current(I _{cs})	Up to 65 kA*. 1s
	Vertical busbar for in-line plug-in design (3NJ6)	Rated current	Up to 50 kA, 3sUp to 2100 A
		Peak withstand current (I _p)	Up to 110 kA
		Circuit breakers	Up to 6300 A
Internal separation	From 1 to 4	Outgoing Feeders	Up to 6300 A
Surface treatment	Frame parts	Galvanized/powder-coated/wet-paint	
	Enclosure	Galvanized/powder-coated/wet-paint	
	Doors	Galvanized/powder-coated/wet-paint	
Degree protection	To IEC 60439-1, EN 60529	IP 30 to IP 54	
Dimensions		Height	2200, 2600 mm (with busbar top unit)
		Width	400, 600, 800, 1000, 1200 mm
		Depth	600, 800, 1000, 1200mm