



Sivacon

Fix & Withdrawable Low Voltage Switchboard

SIVACON 8PT Power Distribution Board and Motor Control Center

The SIVACON 8PT low-voltage switchboard is a type-tested switchgear and control gear combination that is used for infrastructural supply in industry and in buildings (administrative and functional buildings as well as industrial and commercial buildings), but also in the process industry.

SIVACON 8PT is tailored to the needs of the global market, i.e. it considers the demand for standard solutions from a single source but at the same time for local production. It can be used for all applications up to 7400 A:

- As main switchboard (power control center or main distribution board)
- As motor control center (MCC)
- As sub-distribution board

With the many combinations that the SIVACON modular design allows, a wide range of demands can be met both in fixed-mounted, plug-in and in withdrawable-unit design.

All modules used are type-tested (TTA), i.e. they comply with the following standards:

- IEC 60439-1
- DIN EN 60439-1, VDE 0660 Part 500
and in addition
- IEC 61641, VDE 0660 Part 500, supplement sheet 2 (arcing faults)
- Certification to DIN EN 9001 and DIN EN 14001 (quality/environmental management system).





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Benefits

- Safety assurance and quality assurance for every switchboard through sample testing
- Siemens switchgear for reliable operation
- World-wide presence thanks to local manufacture
- Highly flexible but attractively priced solutions
- Type-tested standard modules (TTA)
- Busbar system either top or rear of cubicle
- Busbar system 3-pole and 4-pole up to 7400 A
- Short-circuit strength (rated impulse withstand capacity) up to 375 kA
- Large mounting depth for universal installation
- Modular design of the device compartments



- Flexible combination possibilities
- Cable/bar connection from above or below
 - For plug-in design and withdrawable unit design
- Easy and safe handling
- Fast retrofitting without working interruption
- High availability.



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General Characteristics

Rated Impulse Withstand Voltage (kV)	8	
Over Voltage Category	III	
Pollution Degree	3	
Rated Isolation Voltage (V)	1000	
Rated Operation Voltage (V)	Up to 690	
Rated Frequency (HZ)	50/60	
Main Horizontal Busbar Rated Current Busbar (A) (3&4 Poles)	Rated Current (A)	Up to 7400
	Rated Peak Withstand Current (kA)	Up to 375
	Rated Short Time Withstand Current (kA)	Up to 150 (1s), 120 (3s)
Vertical Busbar for Circuit Breaker	Rated Current (A)	Up to 6300
	Rated Peak Withstand Current (kA)	Up to 250
	Rated Short Time Withstand Current (kA)	Up to 100 (1s), 80 (3s)
Vertical Busbar for In-Line Plug-In Design	Rated Current (A)	Up to 2100
	Rated Peak Withstand Current (kA)	Up to 110
	Rated Short Time Withstand Current (kA)	Up to 65 (1s), 50 (3s)
Switchgear Rated Current (A)	Circuit Breakers	Up to 6300
	Outgoing Feeders	Up to 630
Ingress Protection (IP)	IP30 to IP54 (IEC 60529)	
Surface Treatment	Galvanized / Powder Coated / Wet Painted	
Installation Altitude (m a.s.l)	1000	1000
Internal Separation	From 1 to 4	IEC 60439-1, Section 7.7
Dimensions (mm)	Height	2200, 2600 (Busbar Top)
	Width	600, 800, 1000, 1200
	Depth	600, 800, 1000



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