

Technical specifications

Standards and specifications	Type-tested low-voltage switchgear and control gear assembly (TTA) Testing of response to internal faults (arcing faults)	IEC 61439-1, DIN EN 61439-1 (VDE 0660 Part 500) IEC 61641, VDE 0660 Part 500, Supplement 2	
Creepage distances and clearances	Rated impulse withstand voltage (U_{imp}) Overvoltage category Pollution degree	8 kV III 3	
Rated insulation voltage (U_i)		1000 V	
Rated operational voltage (U_e)		690 V	
Rated currents (I_n) Busbars (3-pole and 4-pole)	Main horizontal busbars	Rated current Rated peak withstand current (I_{pk}) Rated short-time withstand current (I_{cw})	≤ 7400 A ≤ 375 kA ≤ 150 kA, 1 s ≤ 120 kA, 3 s
	Vertical busbars for circuit breakers	Rated current Rated peak withstand current (I_{pk}) Rated short-time withstand current (I_{cw})	≤ 6300 A ≤ 250 kA ≤ 100 kA, 1 s ≤ 80 kA, 3 s
	Vertical busbars for fixed-mounted design	Rated current Rated peak withstand current (I_{pk}) Rated short-time withstand current (I_{cw})	≤ 1400 A ≤ 163 kA ≤ 65 kA*, 1 s ≤ 50 kA, 3 s
	Vertical busbars for withdrawable-unit design	Rated current Rated peak withstand current (I_{pk}) Rated short-time withstand current (I_{cw})	≤ 1200 A ≤ 163 kA ≤ 65 kA*, 1 s ≤ 50 kA, 3 s
Switchgear rated currents		Circuit breakers Outgoing feeders	≤ 6300 A ≤ 630 A
Internal separation	Form 1 to Form 4	IEC 61439-1, Section 7.7, DIN EN 61439-1	
Surface treatment	Frame parts Enclosure Doors	Galvanized/powder-coated/wet-painted Galvanized/powder-coated/wet-painted Powder-coated/wet-painted	
Degree of protection	To IEC 60529, 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, 1200 mm	

* Rated conditional short-circuit current $I_{cc} \leq 100$ kA

The information provided in this brochure contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without notice. All product designations may be registered trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes may violate the rights of the owner.

© Siemens AG 2010 • Order No.: E10003-E38-10T-G2201-7600 • PI 0110 2. DB En

PPS
Electrical Manufacturer & Supplier
MV & LV Switchgear

www.paydarps.com/product/sivacon



www.paydarps.com



PAYDAR PARTO SEPEHR
MV & LV Switchboard Manufacturer

OFFICE
No. 9, 5th floor, Ava Building, Pouneh Blvd, Golshahr, Karaj-IRAN
Tel: +98-26-34035503

E-mail: info@paydarps.com

*Knowledge & Validity
Constant Creativity*



ISO 9001:2015
4790513

Follow us on social media to get the latest product and support information.

