

LOW-VOLTAGE SWITCHGEAR SYSTEM

Power switch gear and control gear assembly models up to 5000A

Installation distributor up to 1600A



- ➔ Type-tested systems in modular technology
- ➔ Design of the inner subdivision Shape 1 to 4 according to the German Industrial Standard (DIN VDE 0660)
- ➔ Rated surge energy capacity I_{peak} up to 255 kA
- ➔ Degree of protection up to IP 54 (on request IP 20 with open door)

Low voltage switchgears are subject to a high safety standard that has to ensure the safety of users and the functionality. With a variable standardized control cabinet, the low-voltage switchgear system fulfils even difficult requirements in an optimum way. With this tested low-voltage switchgear system Westhaus Energietechnik surpasses the requirements of the market and of the regulations according to the German Industrial Standards (EN 60439-1 and DIN VDE 0660 Part 500).

There are various possibilities to install our cabinet system.

- ◆ Energy supply companies
- ◆ Residential and business buildings
- ◆ Telecommunication and information technology
- ◆ Railways
- ◆ Chemical industry and purification plants
- ◆ Hospitals
- ◆ Internal requirement plants for power and transformer stations
- ◆ Industry

As a trustworthy partner with a flexible team of experts we design, plan and produce the optimal solution of low-voltage switchgears for you, either in

- ◆ Fixed installation
- ◆ Plug-in technique (circuit-breakers)
- ◆ Operation or plug-in operation technique

Besides this, we are also specialists in maintenance, repair, extension, modernizing and modification by according to service contracts.



Technical Data

	Low-voltage switchgear	AC switchboard
Electrical data		
Rated voltage	690 VAC	400 VAC
Rated insulation voltage	1000 VAC	690 VAC
Rated current	5000 A	1250A
Soiling level	3	3
Short-circuit strength of busbars		
max. rated surge current	220 kA	
max. rated short-time withstand current	100 kA/1 s	
Ambient conditions		
Ambient temperature	-5...40°C, extensions of range are possible	
Altitude	<= 1000m above sea level, extensions of range are possible	
Climatic Conditions	IEC 721-3-3	
Mechanical Construction		
Design	Free standing cabinet Sheet steel	Free standing cabinet, wall mounted Sheet steel / Insulation
<i>Dimensions</i>		
Cubicle height	up to 2200 mm	up to 2200 mm
Cubicle width	600 / 800 / 1000 mm	600 / 850 / 1100 / 1350 mm
Protection class according to EN 60950	1	1 and 2
Degree of protection	IP 54	IP 54 (IP 66)
Colour	RAL 7032	RAL 7032 / 7035 / 9016
Standards and regulations		
Safety	VDE 0100, VDE 0660, part 500 (EN 60439-1), VDE 0603 VDE 0107/0108, VDE 0659	
EMC	VDE 0839	

