

Power Distribution & Control

Medium voltage switchboard



Air-insulated switchboard

||S interschalt Power Distribution & Control

High quality made in Germany at a competitive price

Integrated Power Management System

Many years of experience with a long list of references

High skilled service team

State-of-the-art, compact and modular design

Power distribution from one source

From planning, construction up to commissioning of the complete low- and medium voltage power distribution including automation systems, INTERSCHALT provides the complete systems from only one source. The medium voltage switchboard is a state-of-the-art system made in Germany, specifically developed for the harsh marine environment. Due to the compact and modular design, the system fulfils highest availability together with the highest level of safety operation.

⇒ **The switchboard stands for economical and reliable power distribution.**



Fields of application in power supply

- Cable control and protection
- Overhead control of consumers
- Distribution sub stations
- Motor and transformer control and protection
- General control and protection
- Capacitor bank control and protection

Especially for

- Supply vessels
- Ocean liners
- Container vessels
- Tankers
- Ferries
- Cable laying ships
- Offshore facilities
- Wind power stations
- Megayachts

Air-insulated switchboard

Standards

- IEC 62271-200
- VDE 0101
- VDE 0671 Part 200
- Internal arc classification IAC AFLR 31,5 kA, 1s

Electrical data

Rated voltage	12 kV
Rated current of bus bar A	630...2500
Rated current of incoming our outgoing feeder A	630...2500
Rated short-time withstand current kA	25...31.5
Rated duration of short-circuit s	3
Rated peak withstand current kA	63...80
Rated lightning impulse withstand voltage 1.2/50 kV	75
Rated power-frequency withstand voltage kV	28
Rated frequency Hz	50/60
Degree of protection	IP 3XD

Circuit-breaker

The circuit-breaker VD4 from ABB for withdrawable or fixed mounted*. (*if required)

Monitoring and control with power management system SYMAP™

SYMAP™ offers complete protection functions for generators, motors (synchronous and asynchronous), transformers, power lines and distribution. All protection functions can be activated and used simultaneously.

Panel versions

View	Width mm	650	800	1000
	Depth mm	1575	1575	1575
	Height mm	2250	2250	2250
	Weight kg	550	600	800
	Circuit-breaker panels			
1	Circuit-breaker panel 630...1250 A	●		
1	Circuit-breaker panel 1600 A		●	
1	Circuit-breaker panel 2000...2500 A			●
2	Bus sectionaliser, CB 630...1250 A	●		
2	Bus sectionaliser, CB 1600 A		●	
2	Bus sectionaliser, CB 2000...2500 A			●
3	Bus riser panel 630...1250 A	●		
3	Bus riser panel 1600...2500 A		●	
4	Busbar metering panel	●		
5	Motor feeder panel with vacuum contactor	●		

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**The INTERSCHALT medium voltage switchboard is powered by
ipt International Power & Technology GmbH, GERMANY**

Your advantages

- Maintenance-free components, depends on environmental conditions
- Certified operation authorization training for users
- Certified air and gas insulated switch boards according to international standards
- Design, production, installation, commissioning and service from one source
- World-wide service network availability by own service stations and agents
- Safe, cost-efficient and flexible