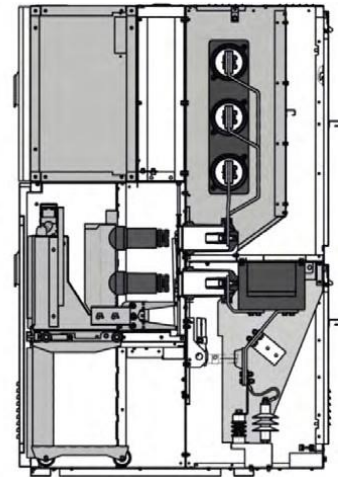




2140 mm



1350 mm

## APPLICATION

The switchgear is designed for use in distribution stations of enterprises that generate, transmit and use electricity.

## PRODUCT PURPOSE

The switchgear is designed for operation in the switchgear stations of enterprises that generate, transmit and use electricity. The switchgear is designed so that normal operation, inspection, and maintenance operations can be carried out safely and correctly.

It meets the requirements of PN-EN 62271-200, PN-EN 62271-1 and GOST standards, and has a degree of protection up to IP4X according to PN-EN 60529. It is designed for operation in normal conditions, as defined by PN-EN 62271-1.

## FEATURES

- Simple and effective locking system;
- construction made of galvanized sheet metal, joined by riveting;
- metal housing protected throughout and divided into compartments;
- moving the pull-out member from the test/disconnect position to the working position causes the moving partitions to be pulled apart and the fixed contacts to be exposed, allowing the switch contacts to be connected;
- high-speed earthing switch, with short-circuit switching capability in all fields;
- earthing switch equipped with a manual or motor drive; its status is indicated by a position indicator;
- ample space for the installation of cable connections;
- a sight glass in the door makes it possible to clearly visually determine the status of the switch and the arming status of the drive;
- insulators made of epoxy resin in the connection compartment rails supported on support insulators.

## RATED PARAMETERS

Rated voltage:	12; 17,5 kV, 24 kV
Rated continuous current of busbars and supply field:	630, 1250, 1600, 2000, 2500, 3150 [A]
Rated frequency:	50 [Hz]
Rated short-term withstand current:	16, 20, 25, 31,5 [kA/3s]
Rated peak withstand current:	26, 51, 81, 102 [kA]
Switch:	VD-4, VM1 (ABB); 3AH5 (Siemens); LF, VA (Schneider Electric)
Current transformers:	TPU (ABB), CTS (KPB-Intra)
Voltage transformers:	TJP (ABB); VTS (KPB-Intra)
IP degree of protection:	IP4X
Dimensions of the basic field	750x1250x2200 / 900x1250x2200 / 1200x1400x2200
Weight	670-1300 [kg]

## OPERATING CONDITIONS

- Installation site altitude up to 1,000 meters above sea level.
- No need to consider vibrations caused by external factors or earthquakes.
- No significant contamination by salt, steam, dust, smoke, flammable or corrosive gases.
- No icing, frosting or overgrowth relative humidity:
 

- highest average during the day	95%
- highest average during the month	90%
- highest average steam pressure during the day	2,2 kPa
- highest average vapor pressure in a month	1,8 kPa
- Ambient temperature:
 

- highest short-term	+40°C
- highest average during the day	+35°C
- highest annual average	+20°C
- lowest long-term	-25°C

## SINGLE-LINE DIAGRAM OF STANDARD FIELDS

Pole liniowe SNL	Pole liniowe SNLp	Pole sprzęgło SNS	
Pole pomiarowe SNP	Pole kablowe SNK	Pole transformatora potrzeb własnych SNTpw	Pole transformatorowe SNT

## COMPLIANCE WITH STANDARDS

- **PN-EN 62271-1**  
High-voltage switchgear and controlgear – Part 1: Common provisions.
- **PN-EN 62271-200**  
High-voltage switchgear and controlgear. Part 200: A.C. switchgear in metal sheaths for rated voltages above 1 kV up to 52 kV.