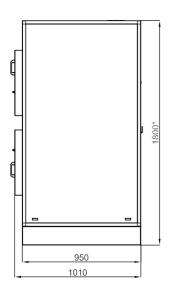
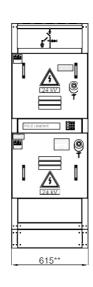
RSS24w MV air-insulated switchgear







// APPLICATION

RSS-24w type switchgear is designed for use in transformer stations, as well as in medium-voltage cable joints; especially where SF6-insulated solutions are not allowed.

EQUI

EQUIPMENT

The enclosure is made of aluzinc sheet metal, joined by riveted and screwed connections. The design of the housing is made to allow easy access to the apparatus, which increases safety and intuitive operation during the installation and operation works.

A system of mechanical interlocks prevents removal of the cover before the voltage is switched off and the earthing switch is closed, or erroneous switching operations are performed.

The switchgear set uses a disconnector type NALF 24, manufactured by ABB in air insulation. The switchgear fields were made in an arcproof version.

FEATURES

- Compact layout with dimensions of 1800/651/1010 mm (H/W/D).
- A similar arrangement of disconnects and earthing switches allows for easy switching and disconnecting arrangements, without the need for a power transmission system.
- Permanent isolation partitions, preventing access of operators to live components.
- Eliminated the insulating partition inserted manually between the contacts of the disconnector when access to the distribution field is required.
- The doors of the compartments (disconnector and cable compartments) are put on in a hook system, the design of which allows easy and reliable closing by self-guiding.
- · Easy access to the inside of the field, especially in cable connectors.
- Sight glasses in the door allow you to clearly visually identify the position of the disconnector and earthing switch blades.
- The mechanical interlock system prevents erroneous switching operations and protects against gaining access to the field before the voltage is switched off and the earthing switch is closed.
- The small size of the switchgear fields allows them to replace switchgear sets that use gas insulation (SF6), eliminating the process associated with the control and disposal of SF6V gas.

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RATED PARAMETERS

Rated voltage [kV]	24
Rated frequency [Hz]	50
Mains frequency test voltage	50 kV
Lightning surge test voltage	125 kV
Rated continuous current	630 A
Rated withstand current	16 kA
Rated peak withstand current	40 kA
Resistance to internal arc	16 kA
IP degree of protection	3X
Height / Width / Depth	1800/615/1010 mm

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COMPLIANCE WITH STANDARDS

PN-EN 62271-1

High-voltage switchgear and controlgear – Part 1: Common provisions.

PN-EN 62271-102

 $\label{eq:high-voltage} \mbox{High-voltage switchgear and controlgear} - \mbox{Part 102: AC high-voltage disconnectors and earthing switches.}$

* PN-EN 62271-103

High-voltage switchgear and controlgear — Part 103: Disconnectors with a rated voltage higher than 1 kV up to and including 52 kV.

• PN-EN 62271-200

AC switchgear in metal sheaths for rated voltages above 1kV up to and including 52kV.

- PN-EN 60529
- PN-EN 62262

SINGLE-LINE DIAGRAM OF STANDARD FIELDS

