



VR PAINÉIS
ENERGY UNDER CONTROL

VR COMPACT

VRC 24 . 15-24kV . 400-1250A . 16-20kA



Shielded Switchgear Compact . Indoors Use Medium Voltage

Modular Units



Shielded Switchgear Compact . Indoors Use Medium Voltage

GENERAL

- The VR Compact - Compact Medium Voltage Cubicle produced by VR Painéis is designed and tested for use in all power distribution systems up to 24 kV;
- VR Compact is the ideal solution for various applications due to its modularity,
- reduced dimensions and low costs;
- Manufactured in accordance with current technical standards;
- High level of personal security;
- Standardized modules allowing future expansion.

APPLICATIONS

- Protection and control of Transformers and Feeders;
- Small and medium size general use in industry;
- Shopping malls, airports, hospitals, condominiums, etc.;
- MT/LT transforming distribution substations;
- Wind power plants;
- Electrocenters.

Mechanical characteristics

- The "chassis" structure and the internal closures of the VR Compact are made of galvanized steel;
- sheet of 2mm thickness (plate # 12), thus ensuring greater robustness of the product;
- External doors and locks are made of 2mm thick sheet steel (Plate # 12) and painted in Munsell;
- Gray N6.5 (other colors on request).

SAFETY

- The VR Compact Cubicle is designed and built to withstand overpressure caused by the Inner Arch. It has upper flaps that direct hot gases and incandescent particles to the outside of the frame, thus ensuring the maximum safety of the operator;
- On the front of the cubicle there are polycarbonate displays with high mechanical resistance which allows both the internal visualization of the components and the use of thermovision equipment without the need to open doors and locks;



External front view

- Modules that have ports are equipped with an interlock system that allows its opening only under safe operating conditions and maintenance. In addition, the doors also have locking devices through Yale key, seals or padlocks;
- IP4X degree of protection.



Internal rear view

Standards (Main Characteristics)

Compact VR Cubicle has been designed, built and tested in accordance with the NBR IEC 62271-200 standards and have the following tests:

- Electric Arc due to Internal Fault;
- Short circuit withstand capability;
- Temperature Elevation Limits;
- Applied Voltage (TAF);
- Atmospheric Impulse withstand voltage (NBI);
- Mechanical operation;
- Degree of Protection (Ipxx).

Classification

- Compact VR cubicle is rated according to NBR IEC 62271-200, as follows:
- Classification of Service Continuity: LSC2A;
- Classification of Partitions: MP (Metal Partitions);
- Internal Arc Classification: IAC A FLR 16kA 1s.



VR PAINÉIS ELÉTRICOS

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