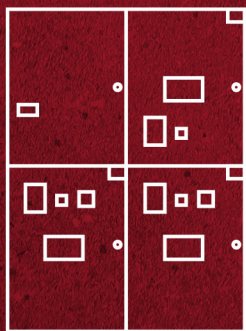




Metal clad



#EnergyThatTransforms



General information

- The MinePower METAL CLAD medium voltage switchgear is used to distribute power in the circuits that the customer deems necessary, it has protection devices for personnel and connected equipment.
- The power circuit breakers mounted on our Metal Clad flasks, offer reduced maintenance as they are high quality vacuum type, designed under NEMA or IEC standards.
- The advanced protection developers included in the equipment have great advantages for the operator and the maintenance team.
- In addition, it offers a versatile design, as it can be assembled in various combinations to meet the user's application and/or process requirements.
- Each of these sections can be made up of tinned electrolytic copper soles covered with heat-shrinkable sheath, insulators, wall bushings, insulating boots and terminals for power cables (the configuration varies according to the equipment required in each integration).
- It has switches with vacuum bottle contacts, re-movable and electrically operated.
- 12-gauge carbon steel cabinets for structures and 14-gauge for covers; powder-coated in oven-cured electrostatic powder paint.
- Available in voltages from 4.16 kV through 24 kV and interrupting ratings of 25 or 40 kA.

Description

- METAL CLAD distribution boards are divided in stages from the feeder section, bus section, outlet section, switch section, control equipment section, instrument section and voltage transformers.



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Product features

- Available operating voltages: 4.16 kV, 13.2 kV, 13.8 kV and 24 kV.
- Interrupting ratings: 25 kA and 40 kA.
- Current ratings: 630A, 1200A, 2000A, 3000A (5 and 15 kV).
- Control voltage: 110 VAC or VDC on request.

Application

- -The METAL CLAD MINE POWER switchgear with its removable vacuum interrupters provides centralized control and protection for medium voltage equipment and circuits in industrial, commercial and utility installations including generators, motors, feeder circuits and medium voltage transmission and distribution lines from 4.16 to 24 kV.



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Benefits

High strength vacuum interrupters withstand 50 to 200 interruptions of full fault current at maximum rating.

Safety barriers in the grounded steel module prevent accidental contact with primary voltage connections when the breaker is removed.

Reduced vacuum interrupter maintenance (periodic checks).

Up to 4 removable auxiliary drawers per vertical section.

Thermo-shrink sleeve bus insulation offers excellent partial discharge resistance and fire-retardant properties.

Standardized functional designs reduce production and delivery times.

Wide availability of spare parts, circuit breakers and protection risers.


Standards

Applicable standards:

- ANSI/IEEE 37.20.2IEC 61008
- EMA SG-5



MINE POWER®

 Blvd. Juan Pablo II 601 Ote.
Col. Ampliación Ignacio Allende.
Torreón, Coah., México.

 www.minepower.com.mx  871 792 2322

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Col. Ampliación Ignacio Allende. Torreón, Coahuila C.P. 27400.