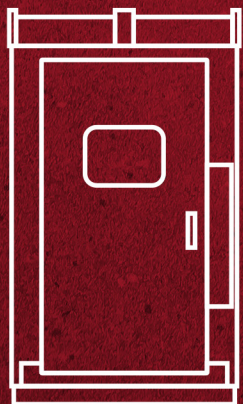




Compact substation



#EnergyThatTransforms

Compact substation



General information

- The MINE POWER COMPACT SUBSTATION with air switch provides safe and reliable connection and disconnection, plus protection for medium voltage circuits rated from 2.4 kV to 34.5 kV.
- It is ideal for applications where high duty cycle operation is not necessary. The compact substation has the advantage of low initial cost while offering features for safety and coordination for circuit protection.
- The load-interrupter switch provides full disconnect with interrupting capability and visibility of actual blade position, giving assurance of circuit disconnection. Fuses provide permanent short-circuit protection accuracy and high interrupting ratings.



Compact substation



Product features

- Current capacity: 600 amp
- Operating Voltage: From 2.4 kV to 34.5 kV
- Weight: 1,763 to 2,866 lbs depending on rating
- Disconnecting switch type 17.5 kV or 34.5 kV
- Power fuse protection for transformer
- Interrupting capacity according to fuses
- Surge arrester set suitable for voltage level
- Mechanical operation of disconnecter from the outer side
- Locking mechanism to prevent door opening when equipment is operating
- Modular enclosure features for different arrangements

Applications

- Protection of medium voltage transformers and branch circuits.
- General construction
- Commercial buildings
- Small and medium industry
- Mining
- Food industry



Cabinet specifications

Protection degree	Material	Finish
Nema 3R	14-gauge ASTM A36 carbon steel sheeting	Grey electrostatic paint ANSI 61 color

Compact substation



Standards

- NMX-J-564** Disconnecting Equipment and its Control - Part 1: Common Specifications
- NMX-J-323** Medium voltage load-operated disconnecting switches-specifications and test methods
- NMX-J-068** High Voltage Switchboards

Complementary product:



Catalogue Symbol:


- 17.5TDLSJ(amp)
- 17.5TFLSJ(amp)
- 17.5TDMEJ(amp)
- 17.5THMEJ(amp)
- 17.5TFMEJ(amp)
- 17.5TKMEJ(amp)

Class of Operation:

- Back-up as IEC 60282-1 (2005)

Fuse Reference	A	A	A	Weight (lbs)
TDLSJ	292	54	51	3.74
TFLSJ	292	80	76	6.83
TDMEJ	442	54	51	5.51
THMEJ	442	67	64	9.15
TKMEJ	442	80	76	11.24

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