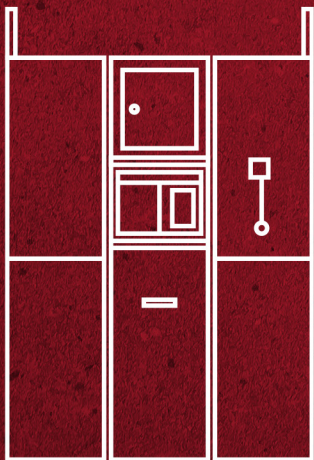




# Hypercompact substation



#EnergyThatTransforms



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## General information

- The Mine Power compact substation is an air switch that provides safe and reliable connection and disconnection of your medium-voltage circuits and equipment from 2.4 kV to 34.5 kV.
- The Mine Power hypercompact is ideal for applications where the operation of opening and closing circuits is not demanding. As well as, for places where space is very limited, since its size is up to 60% smaller than a conventional equipment in air.
- A great advantage is the cost-benefit, due to the comparison between the initial investment and the long life of the equipment.

## Description

- Load disconnect provides full disconnect and visibility of actual blade position.
- Fuses provide short-circuit protection and can be of high interrupting capacity.
- It has the ability to operate electrically.
- Visual voltage presence indicator.
- Mine Power's Hypercompact contains SF6 gas as an extinguishing medium, which is an inert gas that recovers its dielectric properties quickly and, being subjected to a lower pressure than the environment, avoids the risk of leakage.
- The arrangement proposed for its manufacture is the 1A, which is composed of a switchgear cubicle, disconnect cubicle and coupling cubicle.
- Additional protection can be integrated with relays and arc sensors.



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## Product features

- Rated current capacity: 630 A
- Operating voltage: 4.16 kV, 13.2 kV, 13.8 kV, 24 kV or 34.5 kV.
- Disconnecting switch with 24 kV or 36 kV class insulation.
- Arc extinguishing medium SF6 (sulfur hexafluoride).
- Relative pressure of the gas container 0.4 BARS.
- Operating temperature: -5 to +40 degrees centigrade.
- Operating altitude: 2,600 MASL.
- Disconnecter with three positions, disconnected-grounded-connected.
- Power fuse protection for transformer.
- Set of surge arresters suitable for the operating voltage level.
- Mechanical operation of the disconnecter from the outside.
- Locking mechanism to prevent opening of the fuse cover when the equipment is operating.
- Grounding blades on the load.
- Gas pressure indicator on the disconnecter dial.

## Application

- General construction.
- Buildings.
- Hospitals.
- Small and medium industries.
- Mining.
- Pumping systems.



Protection degree	Material	Weight	Finish
Nema 1 or N3R	ASTM A36 carbon steel sheet ASTM A36 12-gauge in structure and 14-gauge in lids	From 1,763 to 2,866 lbs depending on its working voltage and necessary arrangement.	ANSI 61 gray electrostatic paint with 700 hour salt chamber resistance.

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## Benefits

- Connection and disconnection without electric arc.
- No risk of contamination by the environment.
- Mechanical interlocks allow safe operation including fuse removal.
- Safe operation sequence.
- Modularity adjustable to the customer's

## Standards

ANSI C37.20.3  
 NMX-J-323  
 NMX-J-356  
 IEC 60265

## 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	8.15
TKMEJ	442	80	76	11.24

# MINE POWER®

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