



## Type MS 300/5 00/ 75 0 MOV EABLE SUBSTATION



**T**hese skid-mounted move-able substations are designed specifically for underground hard rock mining operations.

Substations feature a transformer rated up to 1000KVA with primary voltage of 8kV or 5kV and secondary voltage 480V or 600V. Incoming load break switch provides a transformer overcurrent protection and a shunt trip operation of this switch protects the secondary side of the transformer from a ground fault.

The secondary side features a fully modular, interchangeable distribution and motor control center. Individual enclosures consist of moulded case circuit breakers, vacuum contactors, overload protection and ground fault / ground check to accommodate mobile electrical equipment.

The modular design of the secondary distribution includes a plug-in feature that enables the repair and maintenance of the enclosure components to be done in the workshop rather than on site.

The substation enclosure is designed for towing or lifting. For safety purposes the enclosure is painted with highly visible white, orange or yellow dry powder baked polyester paint. Colour can vary according to customers' request.

The modular design of the secondary distribution side by showing the removal of the plug-in enclosure. The plug-in feature enables the repair and maintenance of the enclosure components to be done in the workshop rather than underground.



Underground Distribution Substation at Boliden's Westmin Mine, Campbell River, BC

### OPTIONS

- Power Capacity up to 1000 KVA
- 5 or 8kV primary voltage & 480 or 600V secondary voltage
- Low Profile and/or Split Enclosure
- Fork Lift Attachments
- Larger Units with different voltage are also available

### FEATUR ES

- Compact, Rigid, Skid Mounted Enclosure
- Provision for Remote Control of Contactor
- Ground-Fault / Ground-Check Monitor
- Overload and Overcurrent Protection
- Ammeter - Voltmeter

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