



STROM • SICHER • SCHALTEN

**DRIESCHER**  
**Outdoor Switchgear**  
**DRI-MOS**

- Nominal voltage 15 kV and 25 kV
- Rated current 2000 A

**DRIESCHER**  
Moosburg • Eisleben



## General description

The air-insulated outdoor switchgear DRI-MOS according to EN 62271-200 or EN 50152-2 in open-frame construction consists of a steel base frame made of hot-dip galvanised sectional iron and is designed as a bolted and welded construction.

The fencing of the medium-voltage compartment is equipped with a double-bar mesh guard so that the requirements for protection against direct contact according to EN 50122-1 are fulfilled. Optionally, protective grids with a height of 4 m can be installed on both long sides and on the front side to protect against direct contact.

The doors are also fitted with double-bar mat guards.

The floor of the medium-voltage room is equipped with hot-dip galvanised, tread-proof floor grids.



Fig. 1: Lifting the base frame structure

A thermally insulated control cabin is located on the unit, which provides space for the installation of various control cabinets. The cabin has an integrated cable floor. The electrical equipment is usually as follows:

- Lighting as substation lighting
- Switch/socket combination next to the door in the control room
- Wall heating
- Cable tray
- Control rack

The primary power supply components are mounted on a height-adjustable base frame structure that can be lowered to a road-legal height for transport. After being placed in its final position, it is raised to the actual installation height and bolted in place. When load-break switches are used, motor drives are provided immediately below the respective switchgear for actuation. After raising the base frame structure, the switchgear and the motor drives are connected to the corresponding drive linkages.

## Significant benefits

- Very short interruption times of the rail traffic (Safety concept)
- Module can be installed on site within a few hours
- Very cost-effective solution compared to the conventional construction of a substation
- High planning reliability

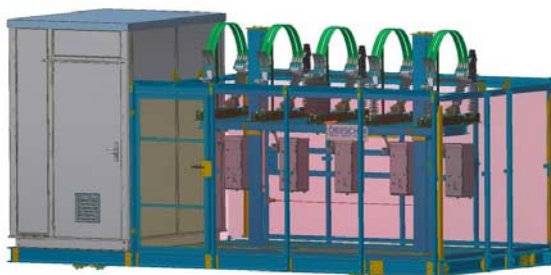


Fig. 2: DRI-MOS Transport condition

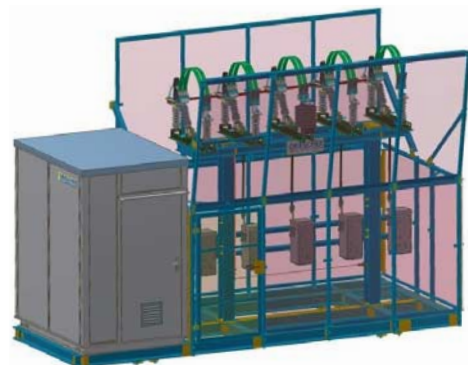


Fig. 3: DRI-MOS Operating condition



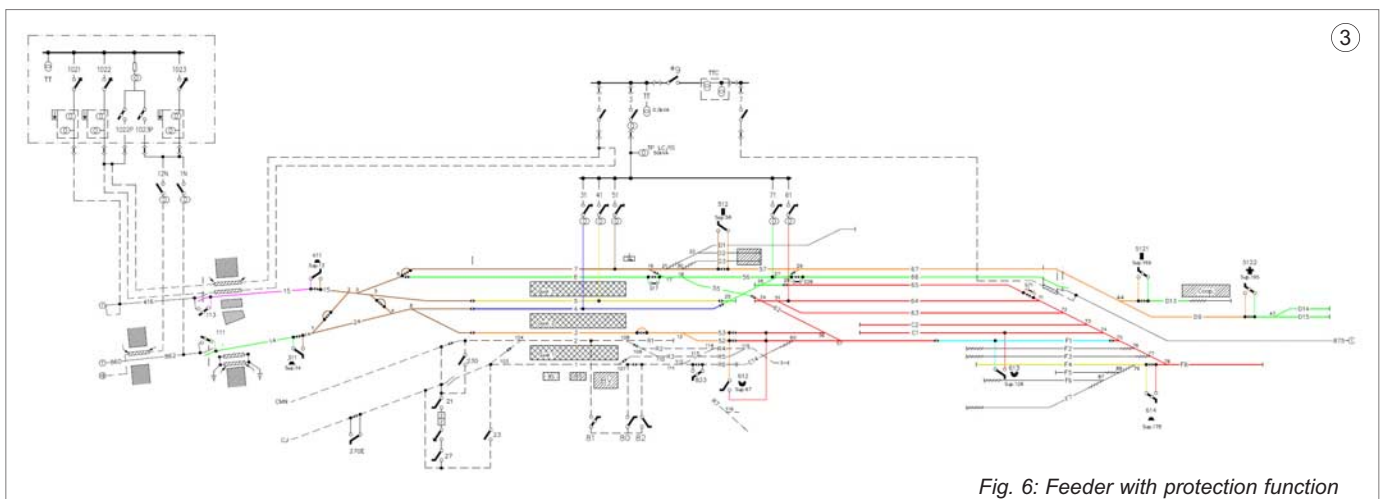
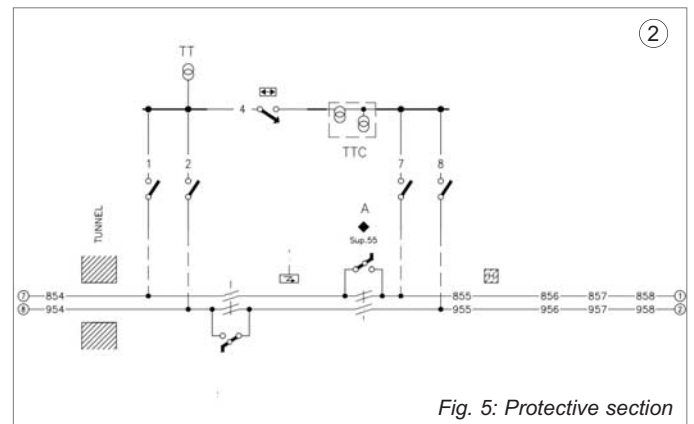
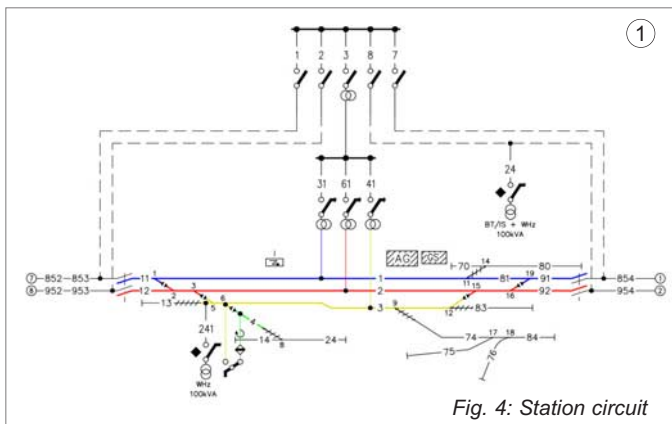
## Technical data

DRI-MOS		
Nominal voltage	$U_n$	15 / 25 kV
Rated frequency	$f_r$	50 Hz
Rated current	$I_n$	2000 A
Rated short-time withstand current	$I_k$	40 kA
Rated duration of short-circuit current	$t_k$	1 s
Rated impulse withstand voltage	$U_{Ni}$	200 kV
Short-time power frequency test voltage level	$U_d$	95 kV

## Possible application / Topology

Possible application are e.g.:

- **Station circuit** ① : Central substation for feeding the sectors in the station: Separation of the sectors across the line. (Devices: Switch disconnectors)
- **Protective section** ② : Coupling section of two neighbouring feed-in sectors. (Devices: Switch disconnectors, Circuit-breaker, Combi- and Voltage-transformer)
- **Feeder with protection function** ③ : Line feeder with short-circuit protection and line check (Devices: Circuit-breaker, Combi-, current- and Voltage-transformer, Resistor)





## Examples

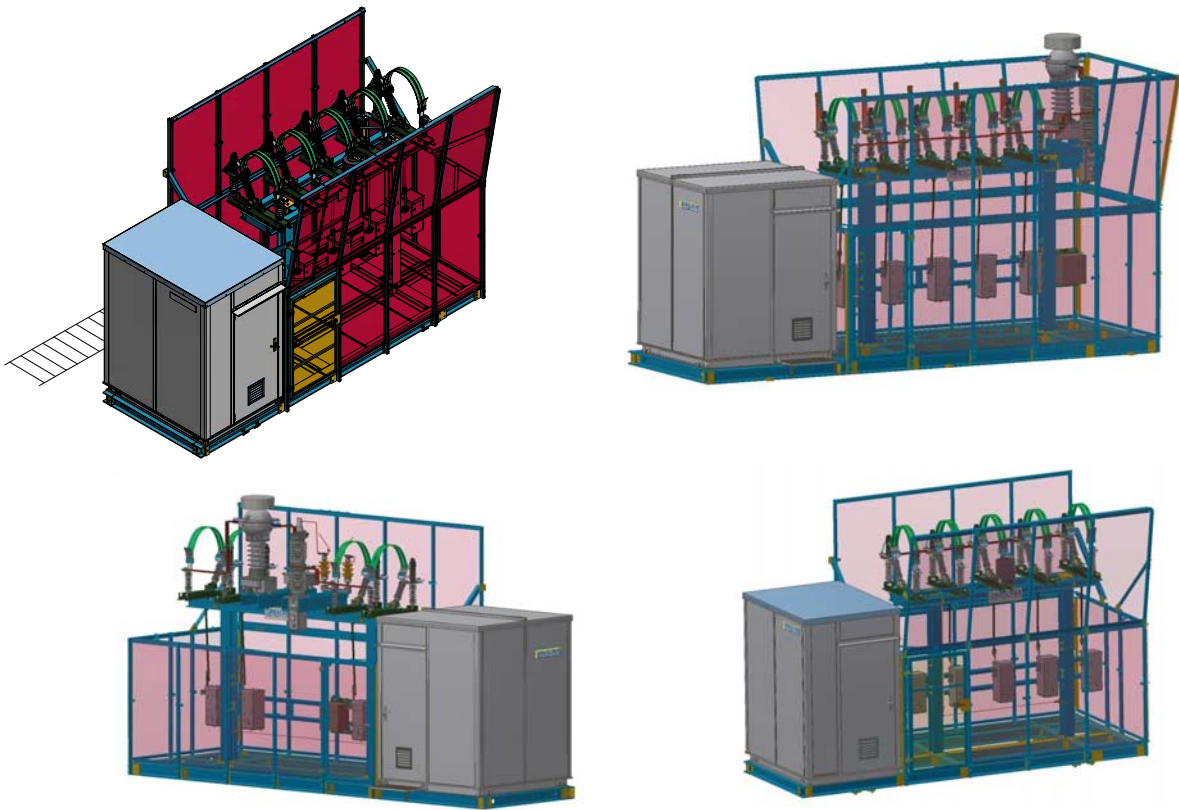


Fig. 7: Delivery DRI-MOS

Dimensions, weights, diagrams and descriptions in this brochure are non-binding. Subject to change without notice.

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