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Outdoor - Switch-disconnector

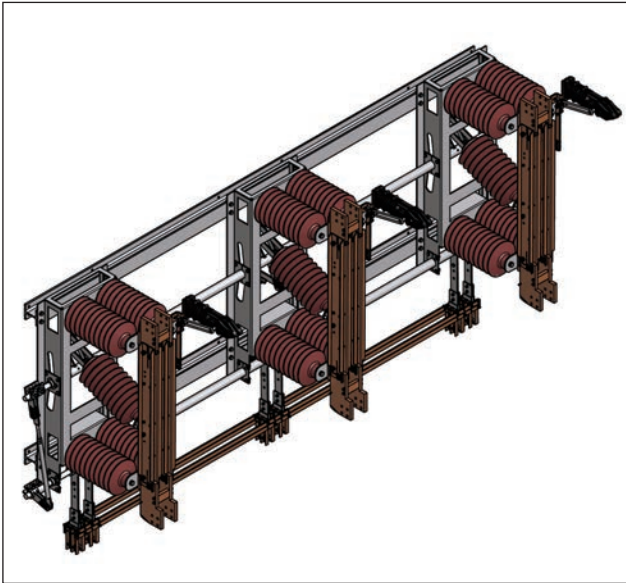
FLa 15/97 38,5-6300-90

- Rated voltage up to 38,5 kV
- Rated current up to 6300 A

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Short description

- Rated voltage up to 38,5 kV
- Rated current up to 6300 A*
- Rated short-time withstand current 90 kA
- Rated duration of short-circuit current 1 s
- Rated cable charging current 28 A
- Minimal expenditure of maintenance
- Operational reliability
- Long life
- Self-supporting construction

*Rated mainly active load breaking capacity 2500 A
Electrical lifetime type E3

General description

The outdoor switch-disconnector FLa 15/97 38,5-6300-90 has been designed for safely conducting very high currents and for safely switching moderate operating currents.

It is available for a rated voltage of up to 38,5 kV and for rated currents of up to 6.300 A.

The switch is able to switch on corresponding currents using the vacuum interrupter in the shunt. Switch-off is also performed in this location, ensuring that no switching arcs are externally visible.

In this way, the switch is ready to perform tasks such as safely switching on and off capacitive cable charging currents of up to 28 A.

It has also exhibited its shunt capacitor switching capability in a special type test. During this test, the switch demonstrated that it has no problem performing multiple switch-on operations for shunt capacitor switch-on currents of up to 9,5 kA at an inrush frequency of 300 Hz.

A sophisticated eccentric switching mechanism activates the vacuum interrupter and guarantees a mechanical service life of 10.000 switching operations.

In order for such high short-circuit currents to be conducted safely, contact elements featuring a silver-graphite coating have been developed and are designed to have a particularly long mechanical and electrical service life.

Possible fields of application

Possible fields of application for the outdoor - switch-disconnector FLa 15/97 38,5-6300-90:

- switching of filter circuits in SVC
- use as disconnectors in (outdoor) switchgear with high short-circuit power

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

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