

Defining resistor parameters for providing normal operation of SF6 breakers under high DC current condition.

Kasyanov S. E., Sheskin E. B.

Normal operation of SF6 breakers are deployed on lines with shunt reactors can be provided by pre-insertion resistors or by resistor connected to neutral shunt reactor terminals. The approach for defining parameters of pre-insertion resistors and resistors on neutral shunt reactor terminals is proposed.

Key words: DC current component, SF6 circuit-breaker, compensated power transmission line, shunt reactor, pre-insertion resistor, resistor on neutral shunt reactor terminals.