



ABB LZ96
PowerFactory
Relay model description



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1 Model general description

The following functionalities are modelled:

- ♦ Starting feature (Starting Impedance: "Starting" block, Release current: "Release current" block)
- Polarization feature ("Polarizing" block)
- ◆ 4 Trip zone ("Z1", "Z2", "Z3", "Z4" block)
- ◆ 4 Timers ("Z1D", "Z2D", "Z3D", "Z4D" block)

12 different version of the relay model are available, one for each possible combination of rated frequency (50 or 60 Hz), rated input current (1 or 2 or 5 secondary Amperes) and rated input voltage (100-130 secondary volts or 200-260 secondary volts):

- LZ96 50 Hz 1 A 100-130 V
- LZ96 50 Hz 2 A 100-130 V
- LZ96 50 Hz 5 A 100-130 V
- LZ96 50 Hz 1 A 200-260 V
- LZ96 50 Hz 2 A 200-260 V
- LZ96 50 Hz 5 A 200-260 V
- LZ96 60 Hz 1 A 100-130 V
- LZ96 60 Hz 2 A 100-130 V
- LZ96 60 Hz 5 A 100-130 V
- LZ96 60 Hz 1 A 200-260 V
- LZ96 60 Hz 2 A 200-260 V
- LZ96 60 Hz 5 A 200-260 V

The model implementation has been based on the information available in the CH-ES 65-96 E Edition March 1980 document.



2 Relay not supported features

The following features are not supported:

- KE91 starting characteristic
- 3 phase undervoltage unit L91
- Autoreclosing
- Power swing protection
- Synchrocheck relay