



VAMP 150 PowerFactory Relay model description



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VAMP 150

PowerFactory
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1 Model general description

The VAMP 150 relay model consists of:

- ◆ Three phase overcurrent elements 50/51("I>" (with inverse characteristics), "I>>" and "I>>>" (time defined) block). Please notice that the motor rated current value ("I_{MOT}" relay setting) must be inserted as "Current setting" value ("Is" variable, in p.u.) in the "MeasPhase" block.
- ◆ One unbalance protection element 46("I2>" (with inverse characteristics) block).
- ◆ One Incorrect phase sequence 47 element ("I2>>" block).
- ◆ Two ground overcurrent elements 50N/51N ("Io>>" (with inverse characteristics) block, "Io>" (time defined) block).
- ◆ One undercurrent element 37 ("I<" block).
- ◆ One overload element 49 ("T>" block).

2 Relay not supported features

The following features are not supported:

- Circuit breaker failure protection
- Arc fault protection
- Stall protection
- Frequent start protection

3 Reference material

The model implementation has been based on the information available in the “VAMP 150 Motor protection relay Operation and configuration instructions Technical description VM150.EN006” document.