

Siemens 7SJ602

Two different models are currently available,
7SJ6021 for 1A nominal current
7SJ6025 for 5A nominal current

The following functions are not or only partly included in the model:

- Start-up time motor protection
- Phase failure protection being detected with phase unbalance
- Auto - reclosure
- A generic thermal overload unit is used

Overload protection Unit 'Ith':

a) two characteristics available

- 1) OL – without memory (-> used for function: 'Overload protection without memory')
 - > the 'Time Shift' parameter has no influence for the overload curve
- 2) OL – with memory (-> used for function: 'Overload protection with memory')
 - > the pre-fault current can be set in the parameter 'Time Shift' in p.u.
e.g. for 90% pre-fault current the parameter should be set to 0.9
 - > the k – factor can be set in the parameter 'Current setting'. The range is not exactly correct, the relay model uses the full range of both overload units '0.4 – 4' instead of '0.4 – 2'.

b) the time constant Tau (τ_{th}) can be set in the 'Time Dial' parameter in minutes for the OL – with memory and in seconds for the OL – without memory characteristic.