Siemens 7SJ50

The relay model consists of 3 individual models, an inverse time (7SJ50_IT), definite time (7SJ50_DT) and overload (7SJ50_OL) modules.
The nominal current can be defined in the "Measure" slot. (1A or 5A)

In the overload mode, the motor start-up time was not modeled.
Phase failure protection being detected with phase unbalance was not modeled.
The external torque controlled is not modeled.

The current setting for the "I>" units are all in p.u., based on the nominal current.
For the "I>>" units is the current setting a multiplier of the "I>" current setting.

Special items for the "Definite Time" (7SJ50_DT) relay model:
-   the setting C1 can be entered in the "I>" unit, parameter "Time Shift".
    The tripping time is then t> = C1 * "Time Dial"
-   the setting C2 can be entered in the "Ie>" unit, parameter "Time Shift"
    The tripping time is then te> = C2 * "Time Dial"
-   the setting C3 can be entered in the "I>>" unit, parameter "Time Shift"
    The tripping time is then t>> = C3 * "Time Dial"

Changes:

B246 -> B255: infinite current setting (oo) for "I>>" unit is now supported.