

Function name: **SE – Start element**

Example

Safe start enable if the marker contact MS03 is closed and the external Reset button S1 (connected at the device inputIS2). The start enable should only be initiated when the Reset button is released and is retained until the MS03 marker contact is closed. The start enable is assigned to the marker coil MS10 for further processing.

The signal diagram of the function block for this application shows:

- the dependence of the enable contact SE01QS on the status of coil SE01I1 and SE01RE:

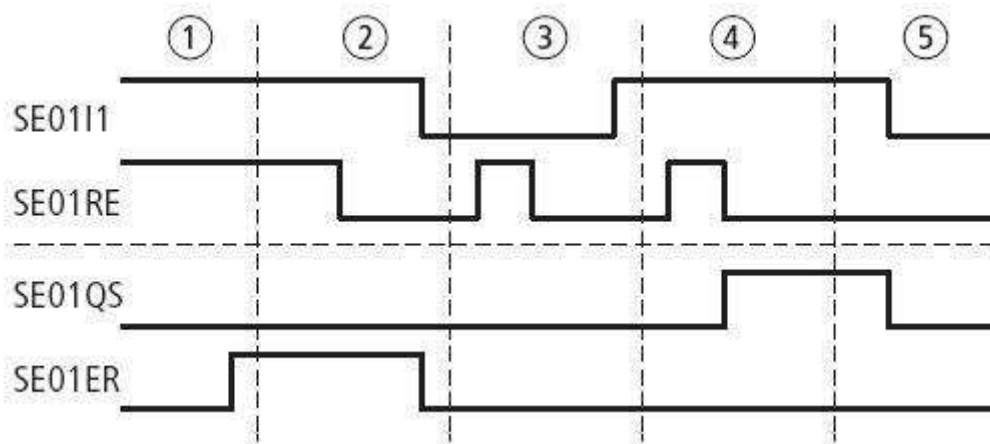


Figure 1: Signal diagram

- 1 Coils SE01I1 and SE01RE have picked up. Error contact SE01ER closes when the function block is activated.
- 2 Dropping off of coils SE01I1 and SE01RE. Error contact SE01ER opens.
- 3 Coil SE01I1 dropped out. Controlled enable when SE01RE drops out has no effect on the contact SE01QS.
- 4 Coil SE01I1 picked up. Drop out of SE01ER initiates the controlled enable.
- 5 Coil SE01I1 drops, enable contact SE01QS opens.

Please note: The master-password for the example file is: "111111".