



Andhra Pradesh State Skill Development Corporation



Basics of induction Motors

Commissioning of SIMOCODE with TIA portal

SIMOCODE PRACTICE:

TASK : Basic Configuration of SIMOCODE Pro V with TIA portal.

Step 1: Open TIA portal, create a project with project name and path.

Project name: Basic Configuration

Path: C:\Users\ELECTRICAL\Documents\Automation

Author: DT_COE_LWS116

Comment:

Create

Step 2: Select the available SIMOCODE with correct version.

Add new device

Device name: Control device_1

Controllers

Control devices

Device:

SIMOCODE pro V

Article no.: 3UF7 010-1A*00-0

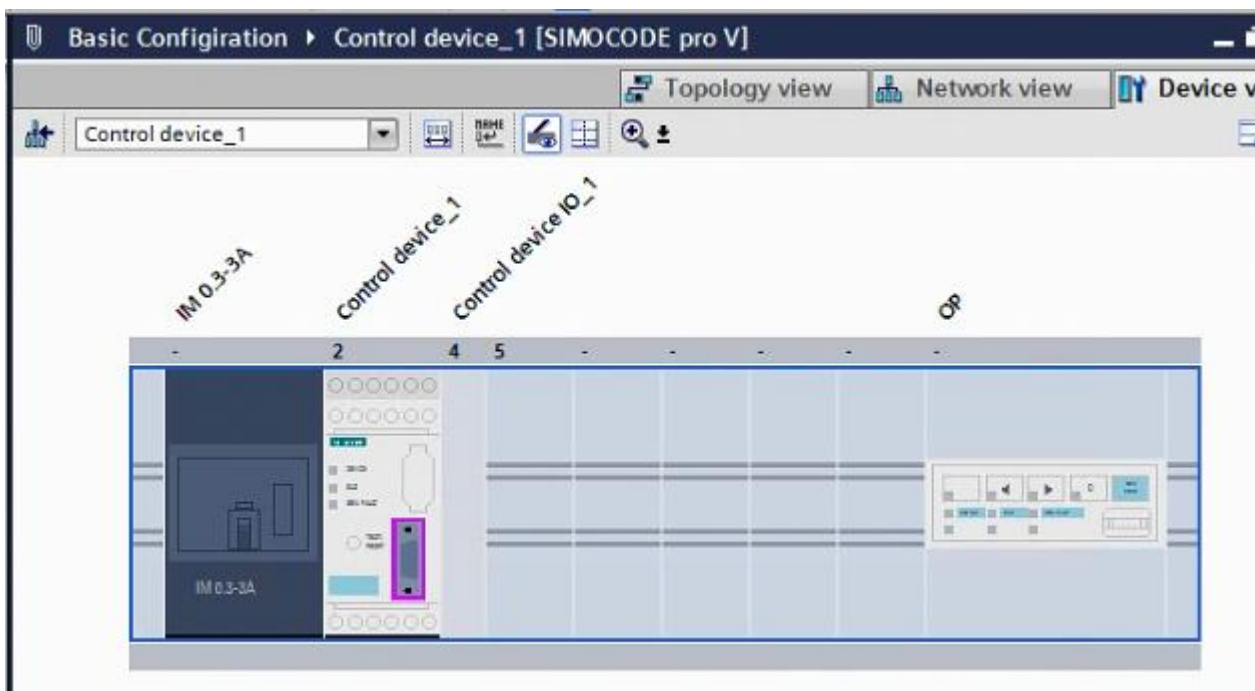
Version: V3.2

Description: SIRIUS motor management and control devices SIMOCODE pro V; PROFIBUS-DP; 0.30A...820A; expandable with expansion modules

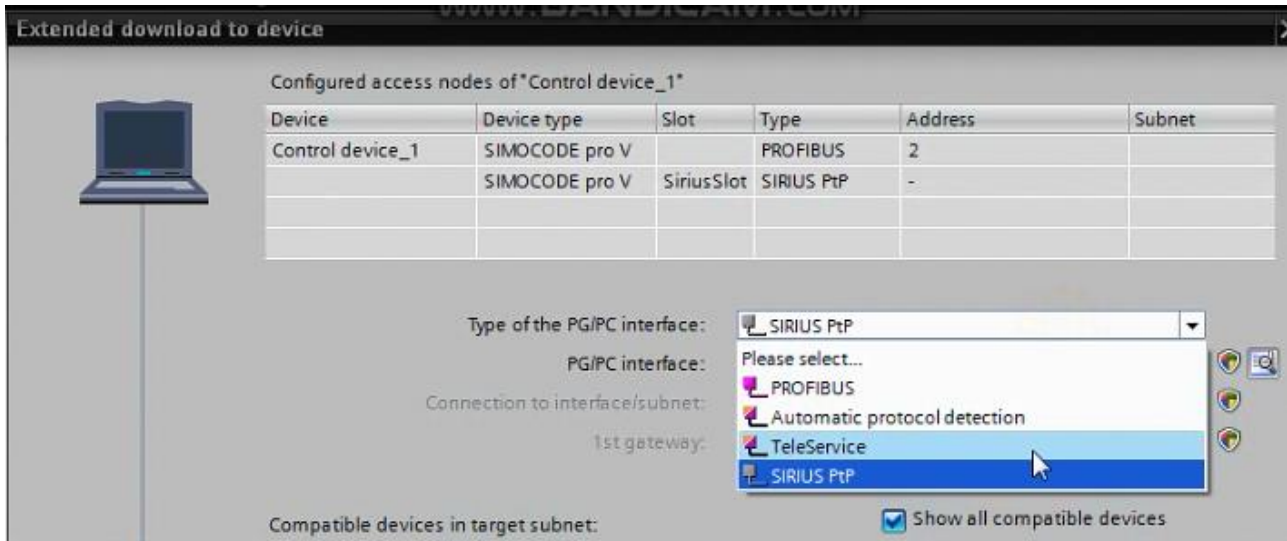
Step 3: Select the required application.



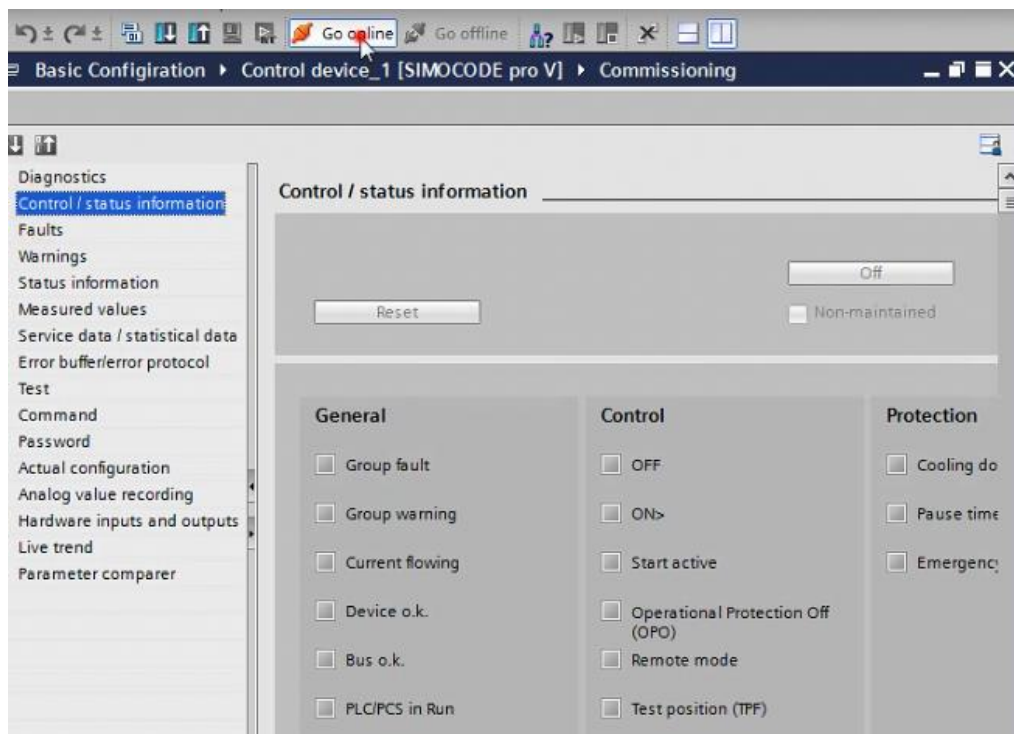
Step 4: Select the configuration, save, compile and click on download button



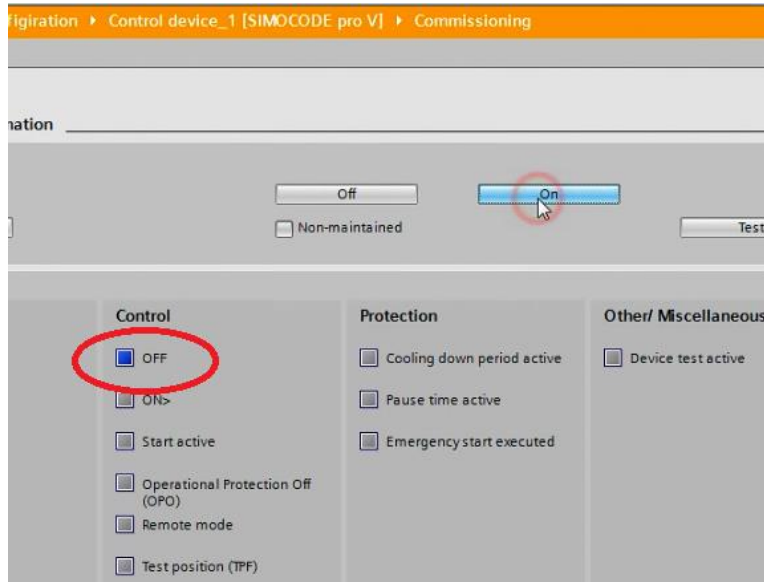
Step 5: Select the communication type either ProfiBus DP or USB for SIMOCODE Pro V then compile and download the program.



Step 6: Go to Control/Status information and click Online,



Step 7: Now, before pressing 'ON' button the motor is in 'OFF' as shown below, now, click 'ON' and the motor starts running.



Step 8: Check whether the control status is indicating 'ON' or not? If it is 'ON' it shows that the motor is running.



- Basic commissioning of SIMOCODE Pro V with TIA portal is done with direct starter as the control.
- To complete this, one should have basic understanding of TIA portal.

Other tasks which we can perform on SIMOCODE Pro V with TIA Portal software are:

- Over Load/Unbalance Protection.
- Stalled Protection.



- Upper/Lower current limit violation
- Indicating LEDs.
- Flashing and Flickering.
- Timer, Counter, Truth Table and Calculator.
- Limit Violation.
- Parameter Recording.