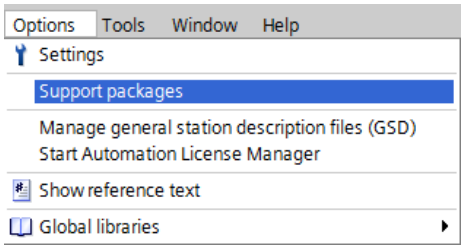
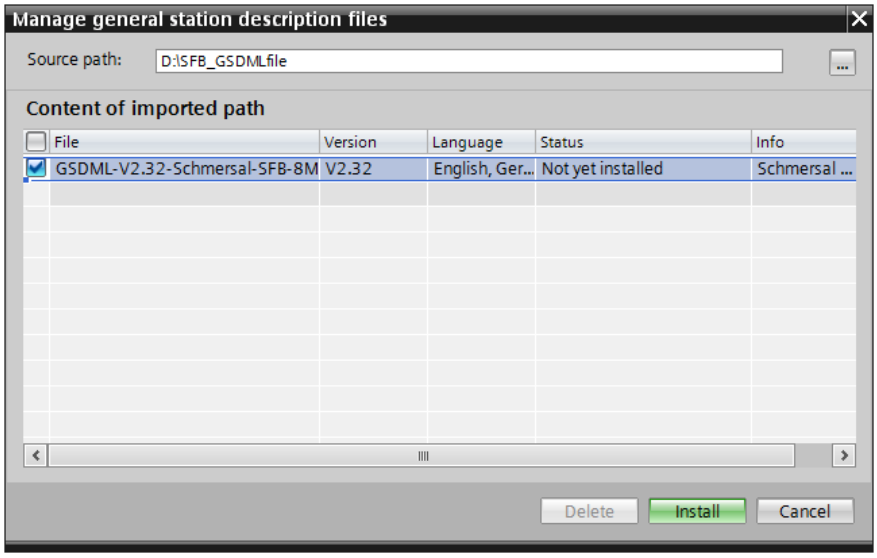
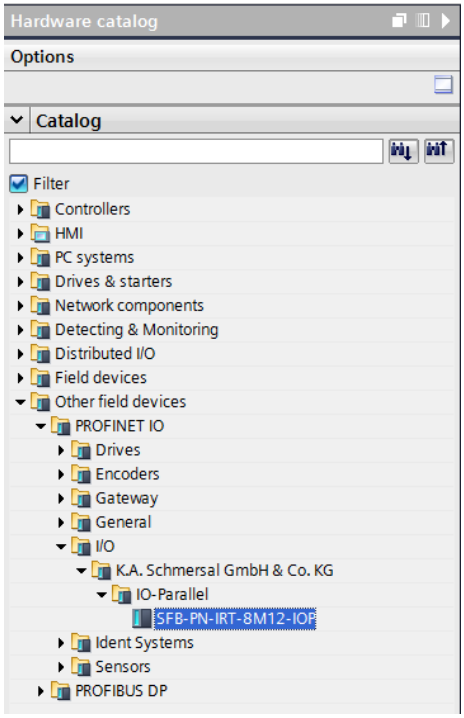
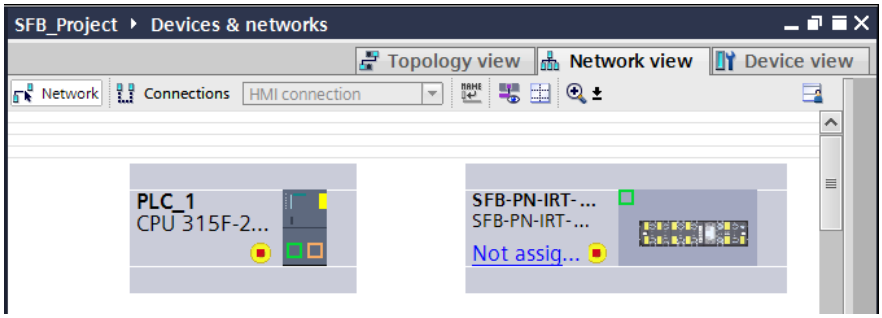
Step 1: Install the GSDML file of the SFB-PN in the configuration software (TIA / STEP 7)



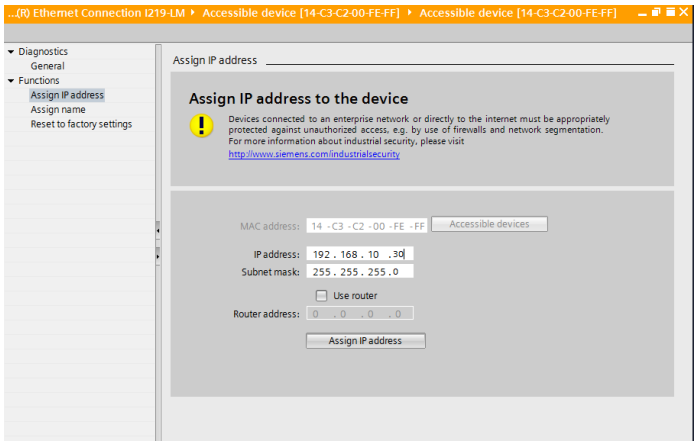


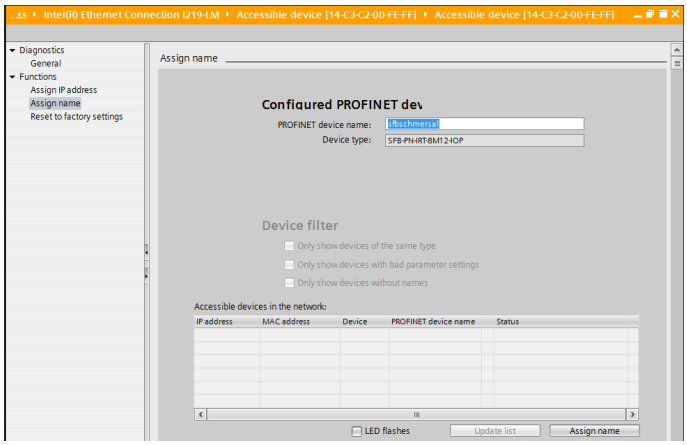
Step 2: Add the SFB-PN module to the hardware configuration



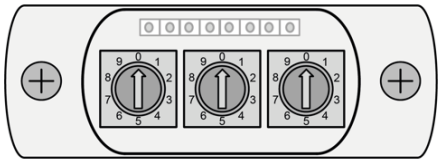


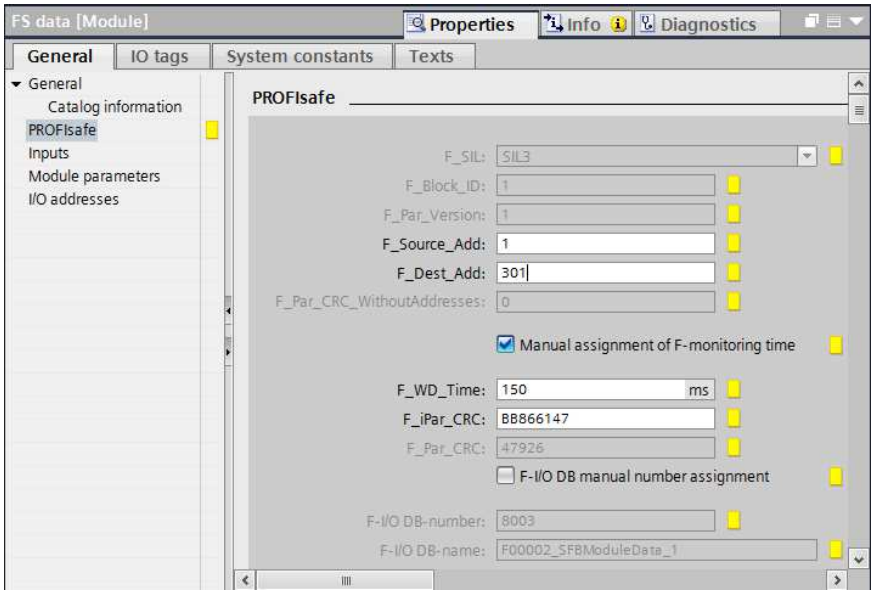
Step 3: Configuring SFB-PN in the PROFINET network (IP address & PROFINET name)





Step 4: Set the F address (PROFIsafe address) on the field box by using the rotary coding switches and configure it in the configuration software.

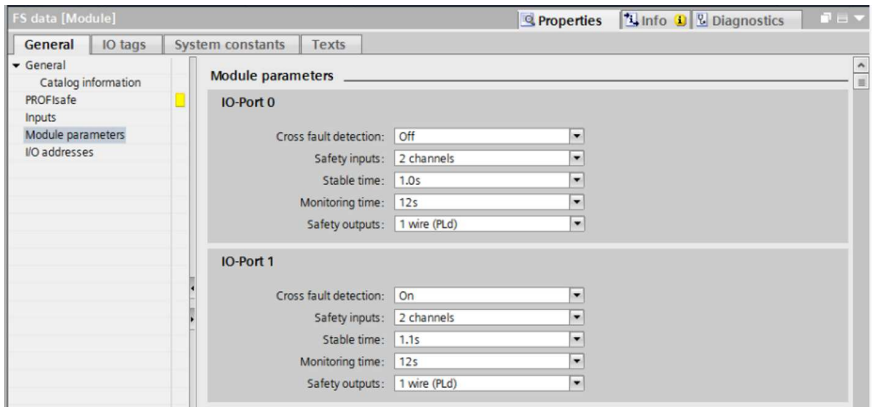


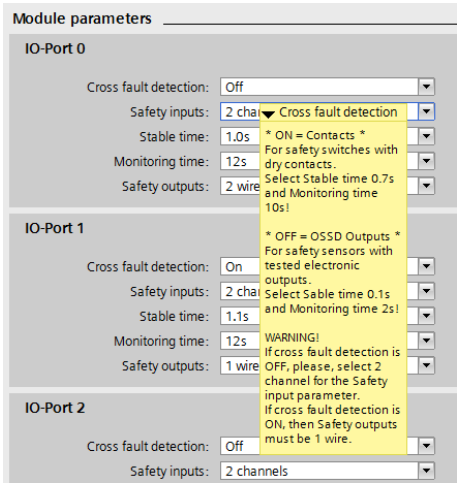


Step 5: Set F_WD_Time depending on the call cycle of the safety program of the F-PLC

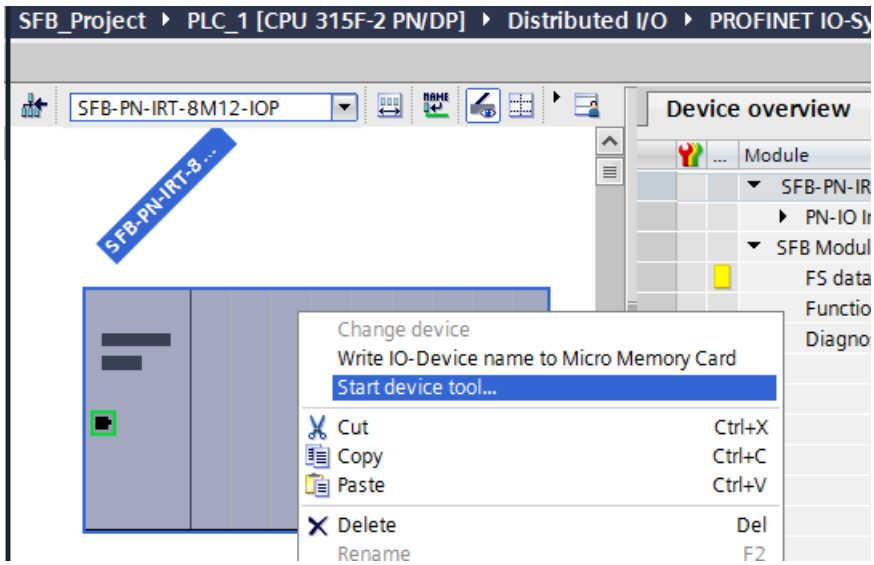
	HINWEIS
	The module only starts correctly if the call cycle of the safety program of the F-PLC is selected to be significantly shorter than the F_WD_Time. (e.g. call cycle 20 ms and F_WD_Time > 80 ms)

Step 6: Configuring safety parameters for the 8 device ports in the F-CPU (S7 controller)

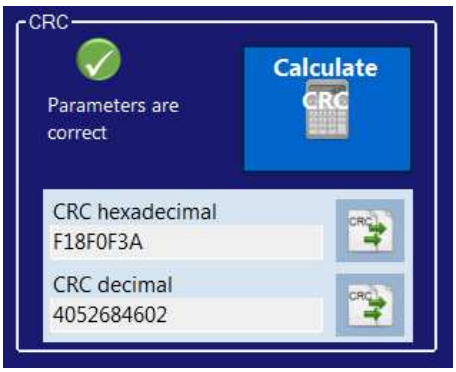




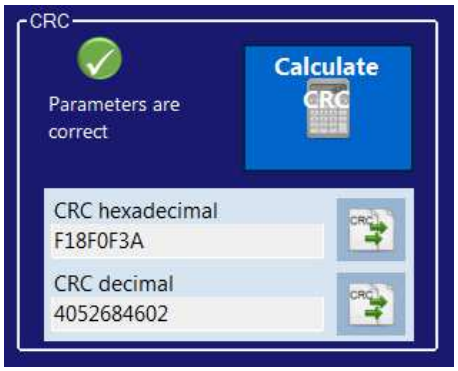
Step 7: Call the ***SFB Configuration Tool*** via the TCI interface of the configuration software



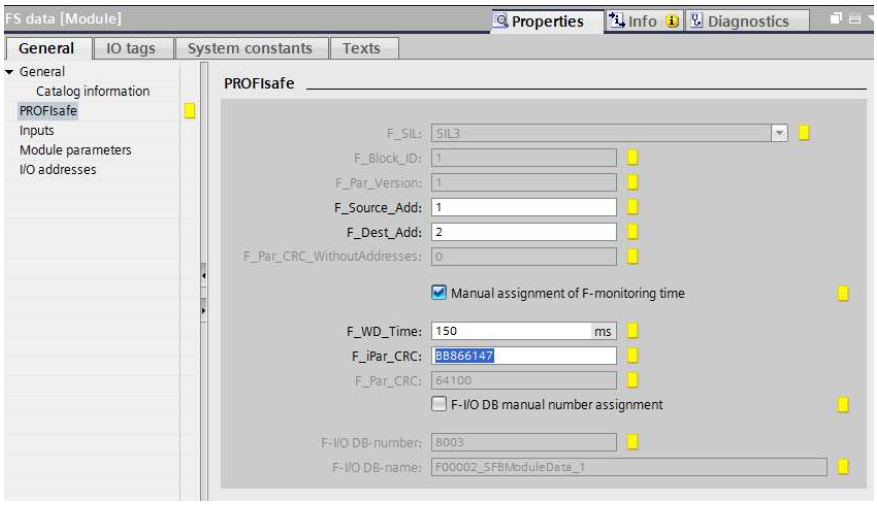
Step 8: Check the configured safety parameters with the ***SFB Configuration Tool*** and calculate the F_iPar_CRC



Step 9: Copy the F_iPar_CRC to the S7 controller



Copy to clipboard with  .
Insert under **Properties** / PROFIsafe.



Step 10: Implementing a program for the acknowledgement of module faults and device port faults

Step 11: Download configuration from the configuration software to the F-PLC