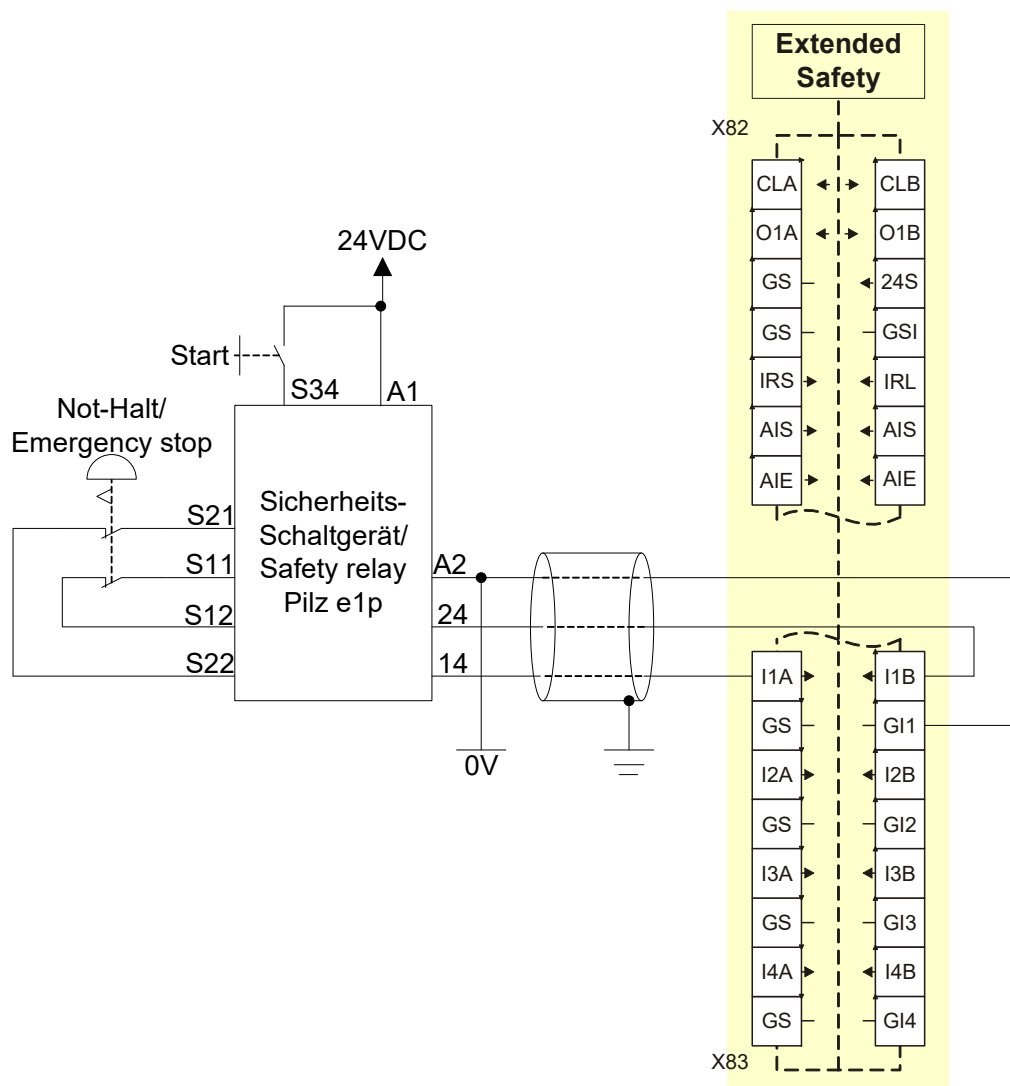


Commissioning manual for i950 with Extended Safety V2.x parameterized as Basic Safety - STO

This document describes how an i950 with Extended Safety can be parameterized, that it operates as a Basic Safety – STO device or permanently without the STO function.

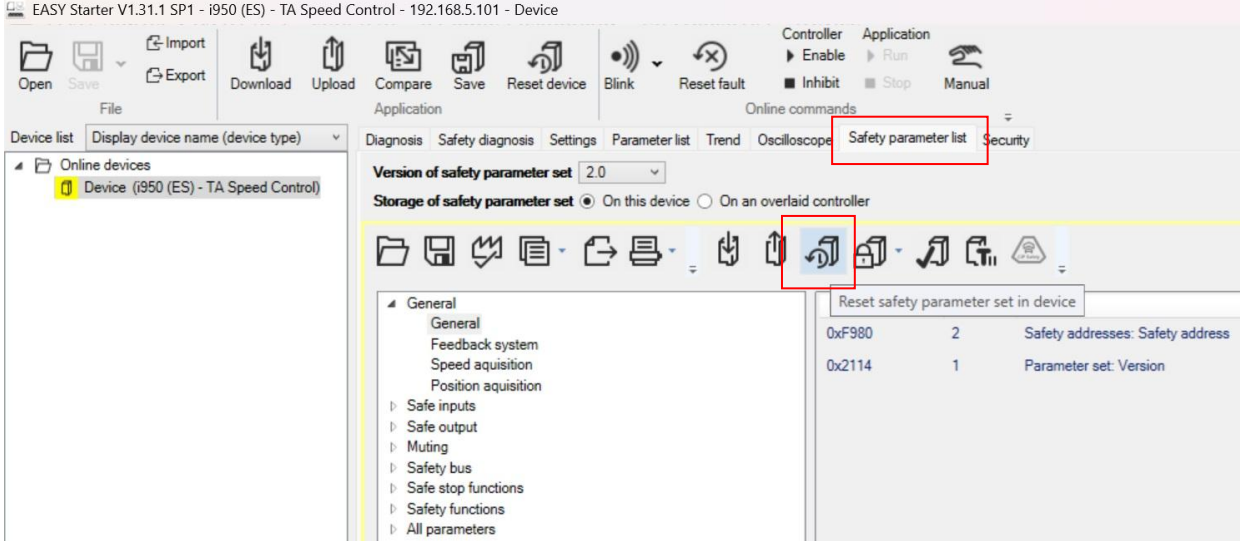
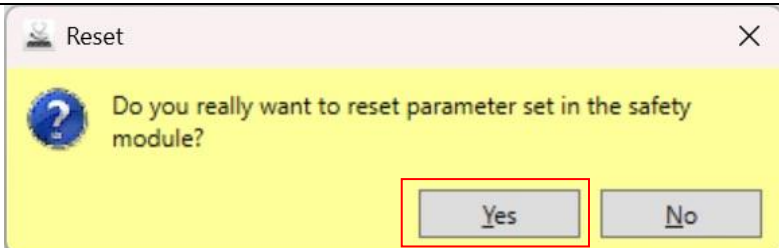
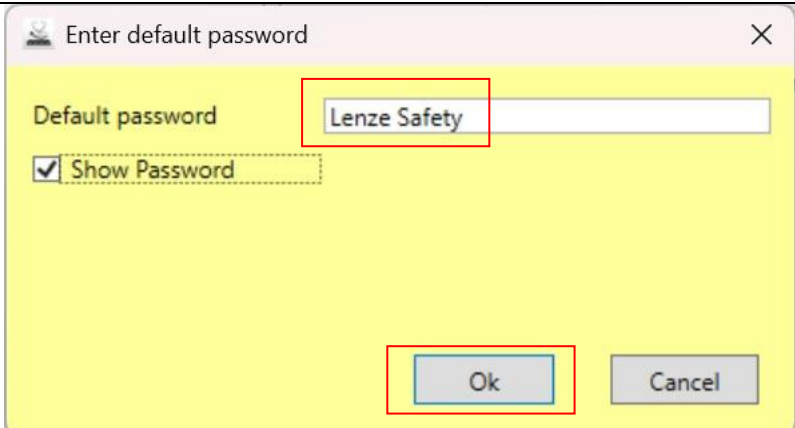
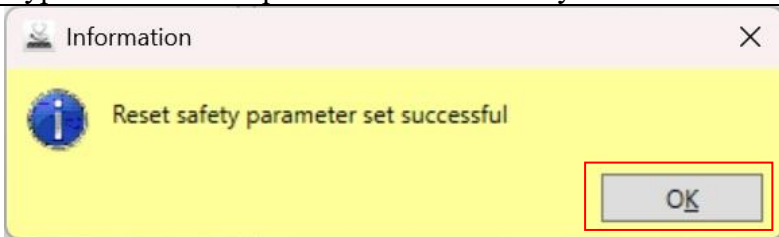
Used PC-Software: EASY Starter 1.31.1.41738

Used device: i950 ES FW V2.00.1.3907, Safety FW 2.0.1.13212

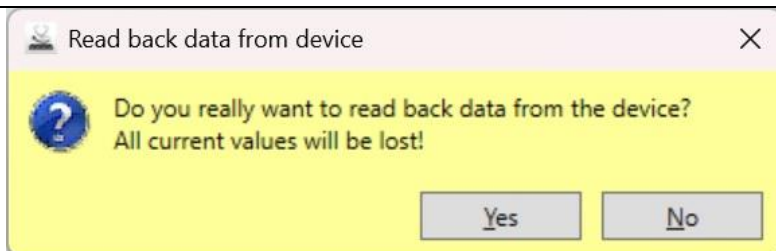


If the STO function should be disabled permanently no wiring is necessary.

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1	Establish the communication between EASY Starter / PLC Designer and i950 ES.
2	 Switch to the tab “Safety parameter list” and press the button “Reset safety parameter set in device”.
3	 Click “Yes”.
4	 Type in the Default password “Lenze Safety”.
5	 Click “OK”. The password file has been created on the SD card now.

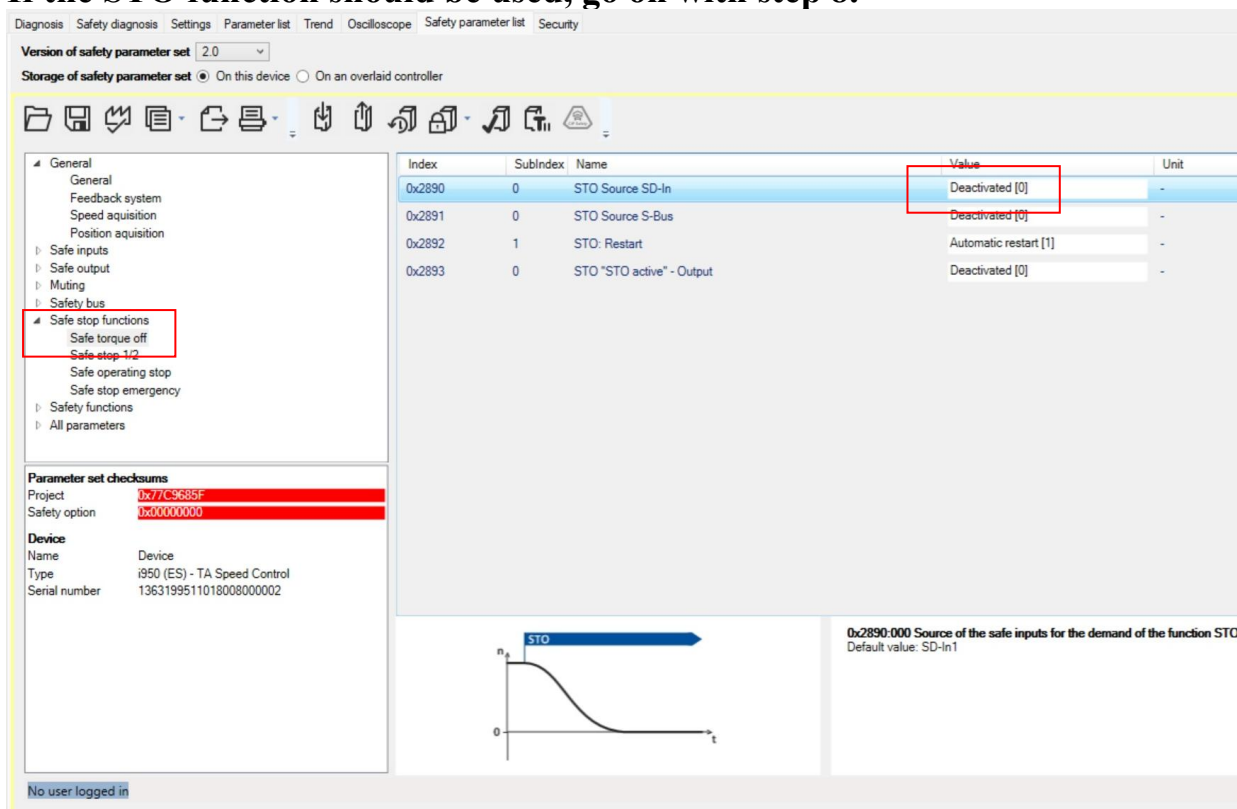
6



Click “Yes” or “No”. The choice is not relevant in this case.

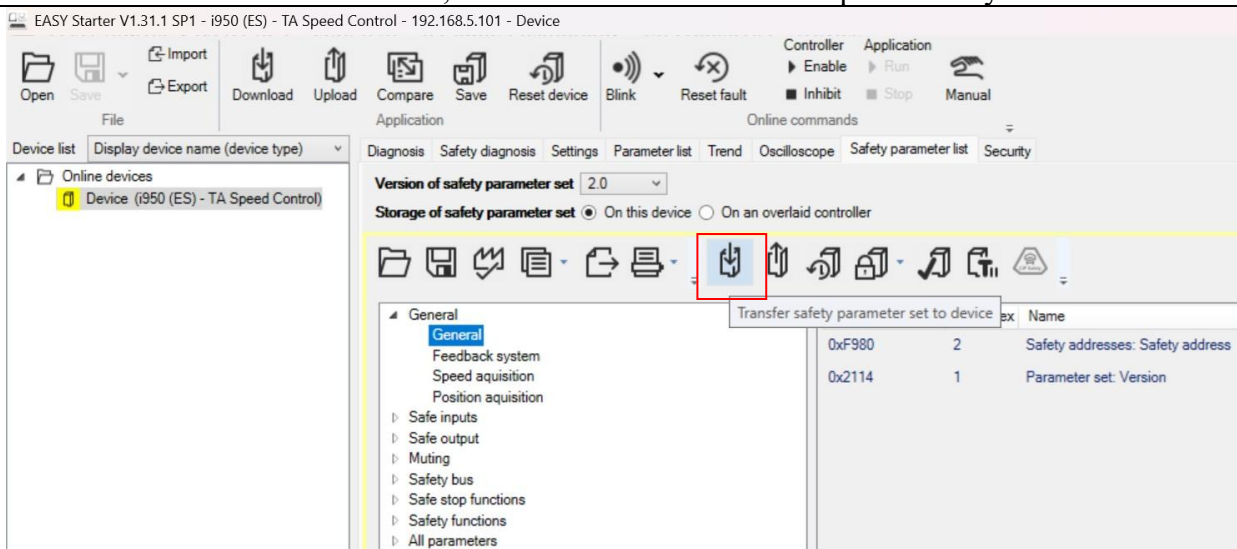
7

If the STO function should be used, go on with step 8.



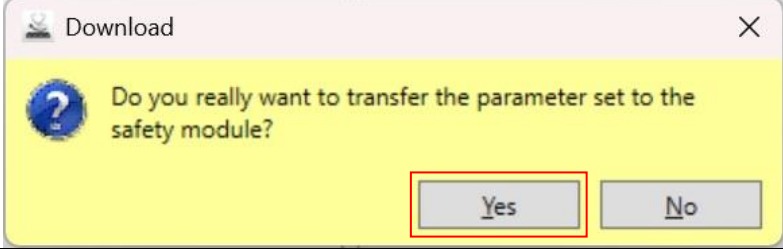
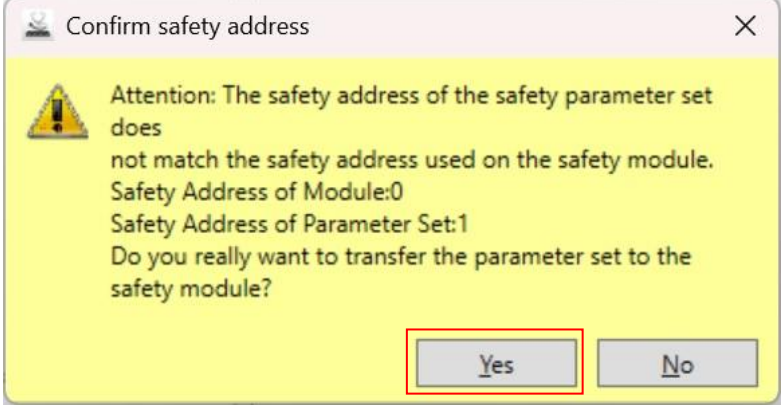
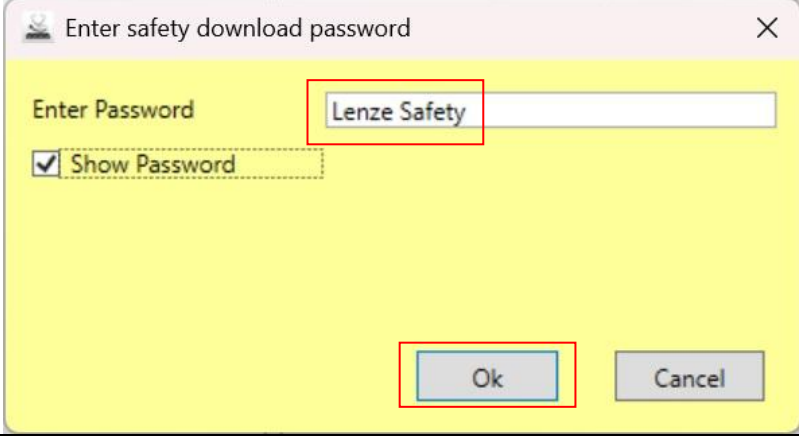
Deactivate the STO Source SD-In, if STO should be deactivated permanently.

8

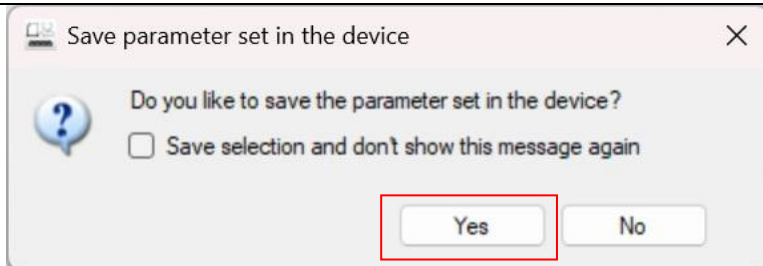


Transfer the safety parameter set to the device.

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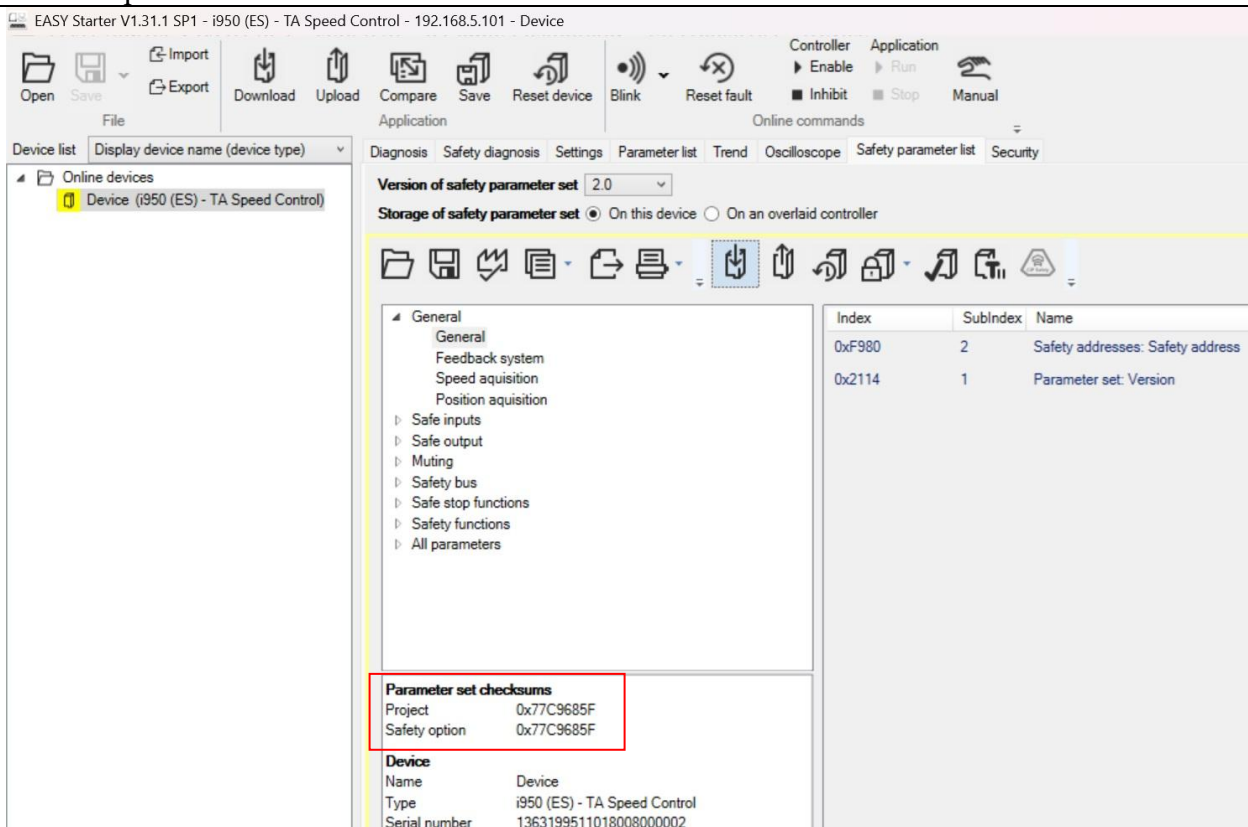
9	 Download Do you really want to transfer the parameter set to the safety module? Yes No	
	Click “Yes”.	
10	 Confirm safety address Attention: The safety address of the safety parameter set does not match the safety address used on the safety module. Safety Address of Module:0 Safety Address of Parameter Set:1 Do you really want to transfer the parameter set to the safety module? Yes No	
	Confirm, that the safety address will be changed from “0” (invalid factory setting) to “1” (default in a valid parameter set).	
11	 Enter safety download password Enter Password Lenze Safety ☒ Show Password Ok Cancel	
	Type in the safety download password “Lenze Safety”.	
12	 Safety parameter list Your parameter set is now active. Please check your device and the safety functions! OK	
	Click “OK”.	

13



Save the parameter set in the device.

14



The CRC of the Project (in EASY Starter / PLC Designer) and the CRC of the Safety option (in the device) must match.

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Safety information / disclaimer:



The safety application and parameterisation notes are examples of possible subfunctions in machines.

The T10_D value according to DIN EN ISO 13849-1, Annex C.4.2 is only indicated if a B10_D value is available and the operating time is less than 20 years.

Commissioning is prohibited until the machine has been checked in accordance with the regulations set out in the relevant EU directives / national laws.

The safety instructions contained in the technical documentation must be observed.

Using the examples does not exempt the user from careful project planning. For possible damages and consequential damages Lenze assumes no liability to the extent permitted by law.

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