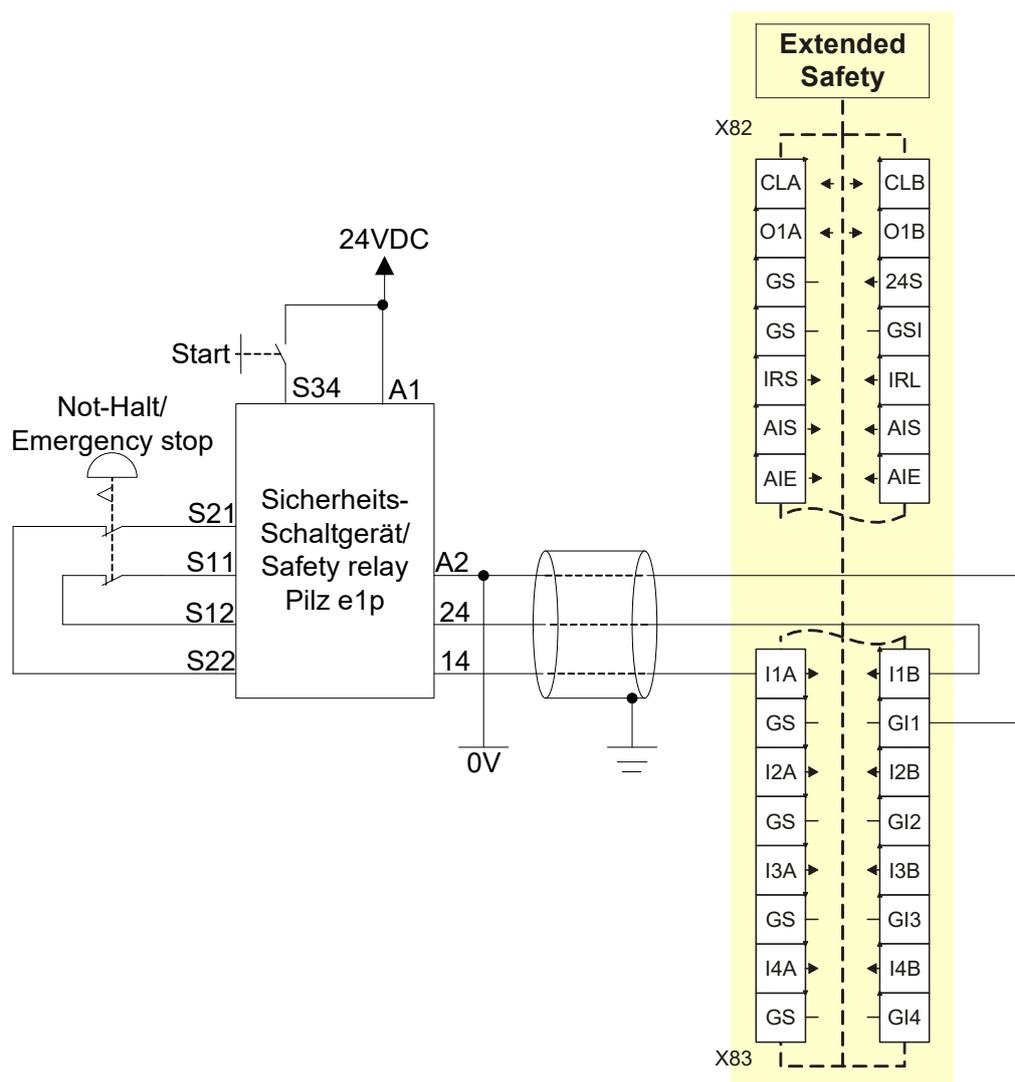# Commissioning manual for i950 with Extended Safety V1.x parameterized as Basic Safety - STO

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.
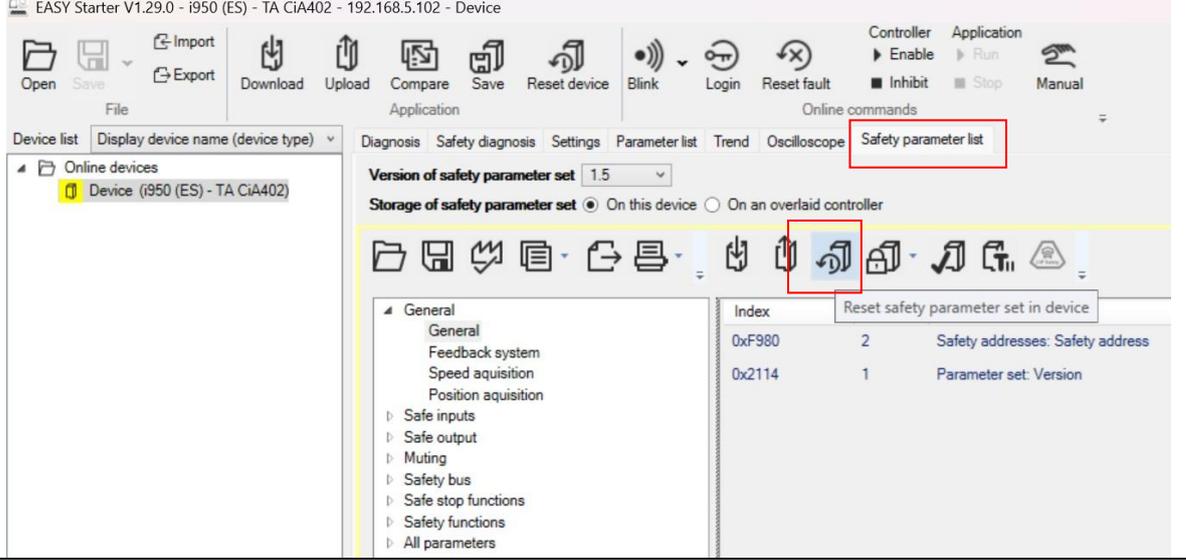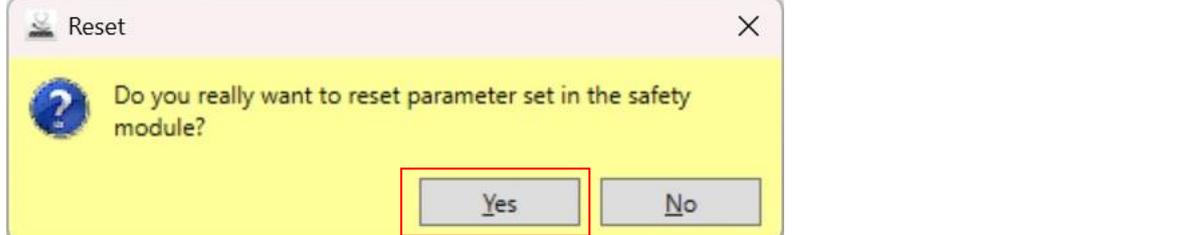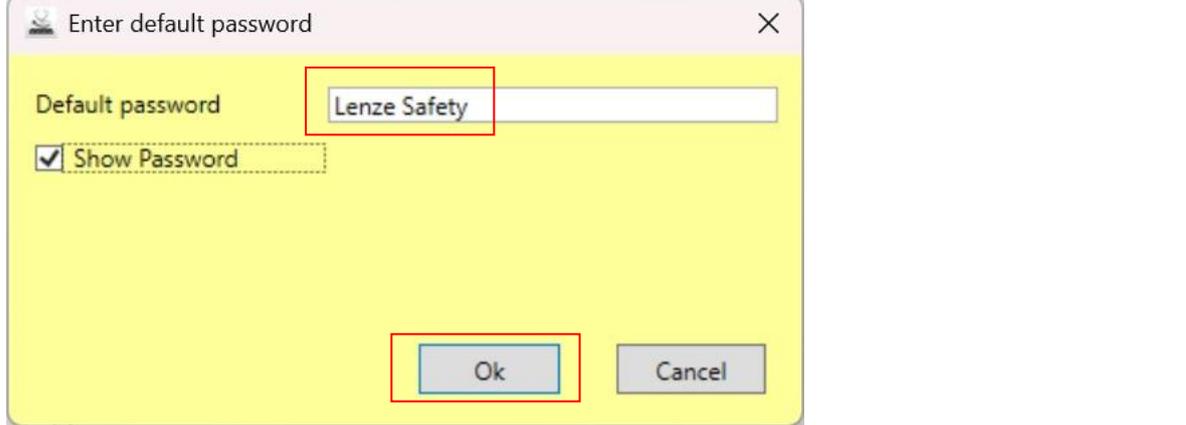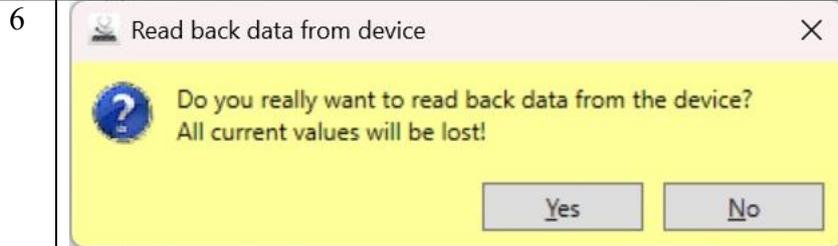
Used PC-Software: EASY Starter 1.29.0
Used device: i950 ES FW V1.14.1.3628, Safety FW 1.5.0.12760

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

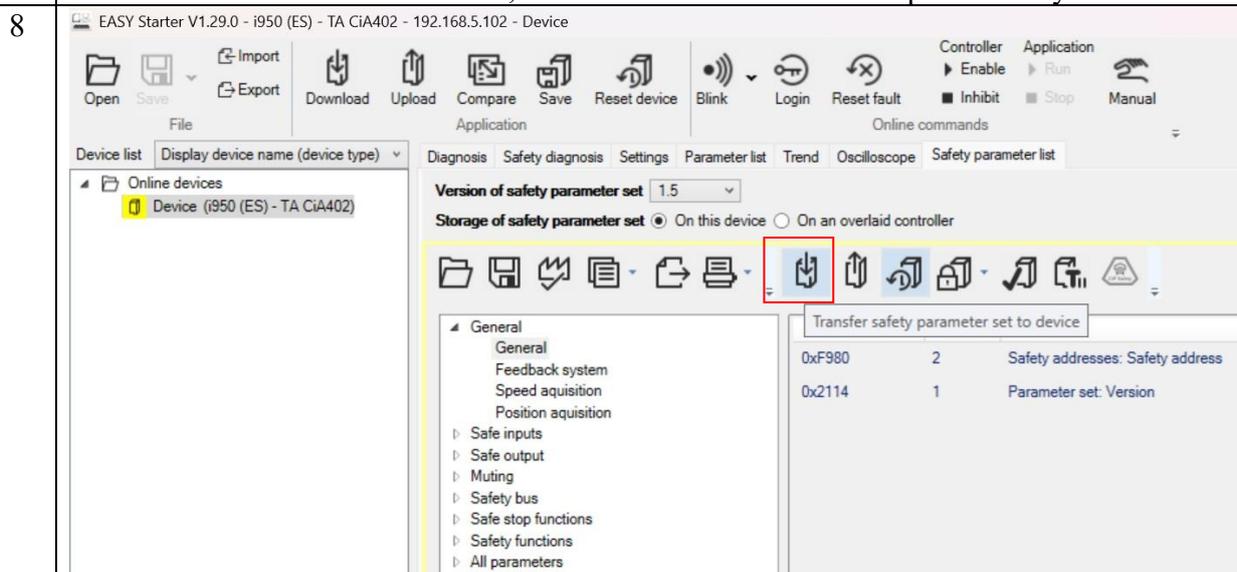|	
1	Establish the communication between EASY Starter / PLC Designer and i950 ES.
2	Switch to the tab "Safety parameter list" and press the button "Reset safety parameter set in device".
3	Click "Yes".
4	Type in the Default password "Lenze Safety".
5	Click "OK". The password file has been created on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

6

Click "Yes" or "No". The choice is not relevant in this case. |
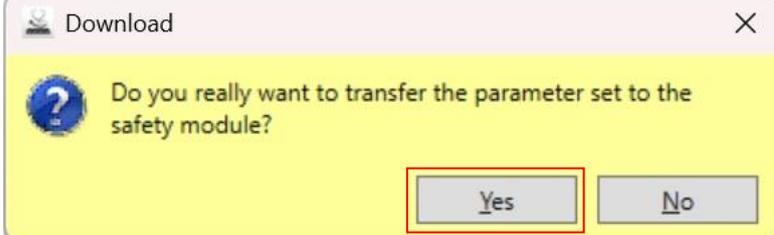| 7 | **If the STO function should be used, go on with step 8.**
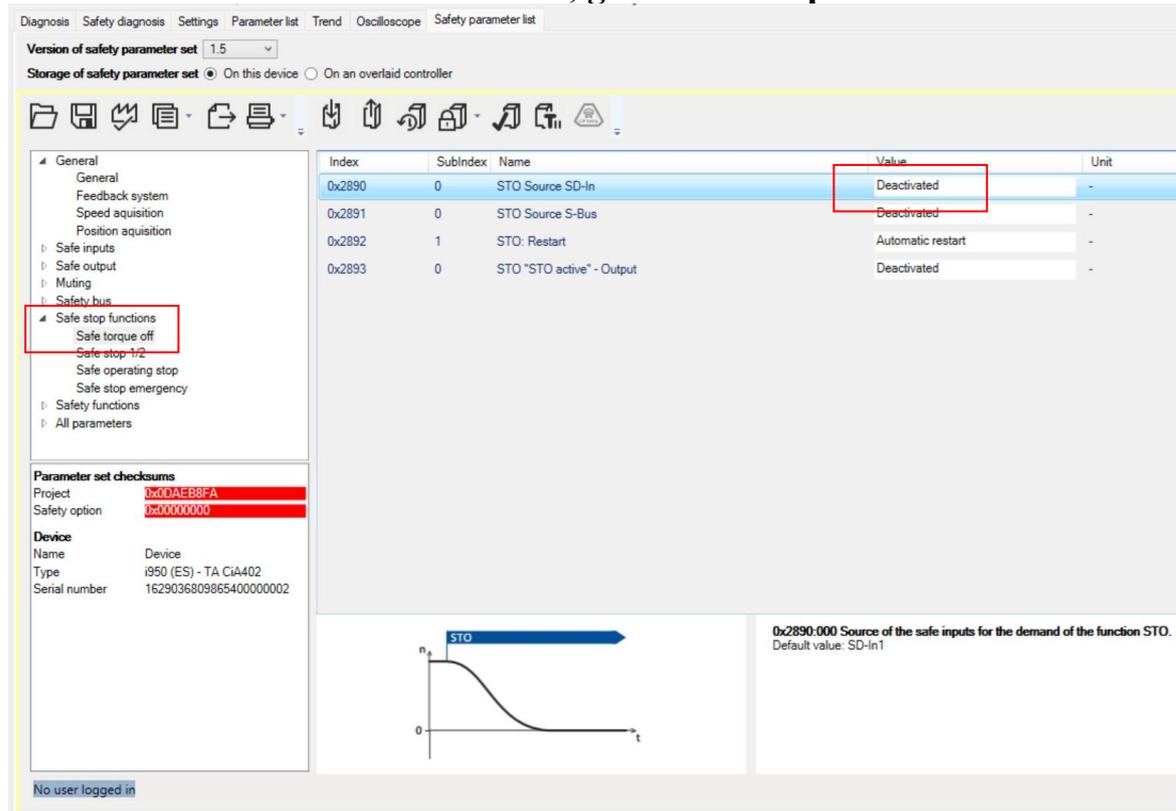
Deactivate the STO Source SD-In, if STO should be deactivated permanently. |
| 8 |

Transfer the safety parameter set to the device. |

9	
	Click "Yes".
10	
	Confirm, that the safety address will be changed from "0" (invalid factory setting) to "1" (default in a valid parameter set).
11	
	Type in the safety download password "Lenze Safety".
12	
	Click "OK".
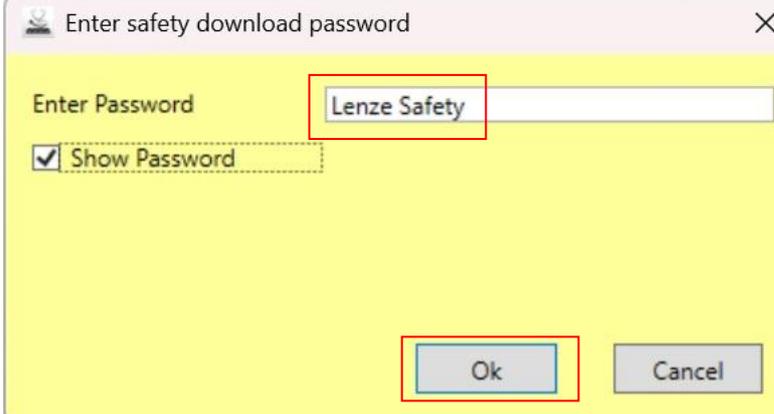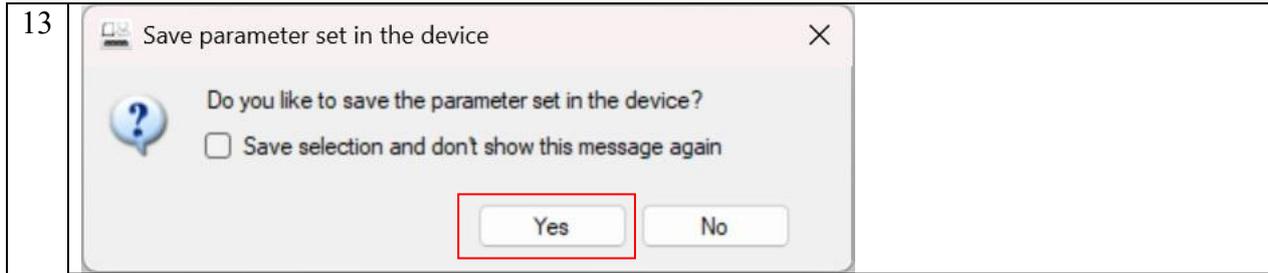
13	
	Save the parameter set in the device.
14	
	The CRC of the Project (in EASY Starter / PLC Designer) and the CRC of the Safety option (in the device) must match.
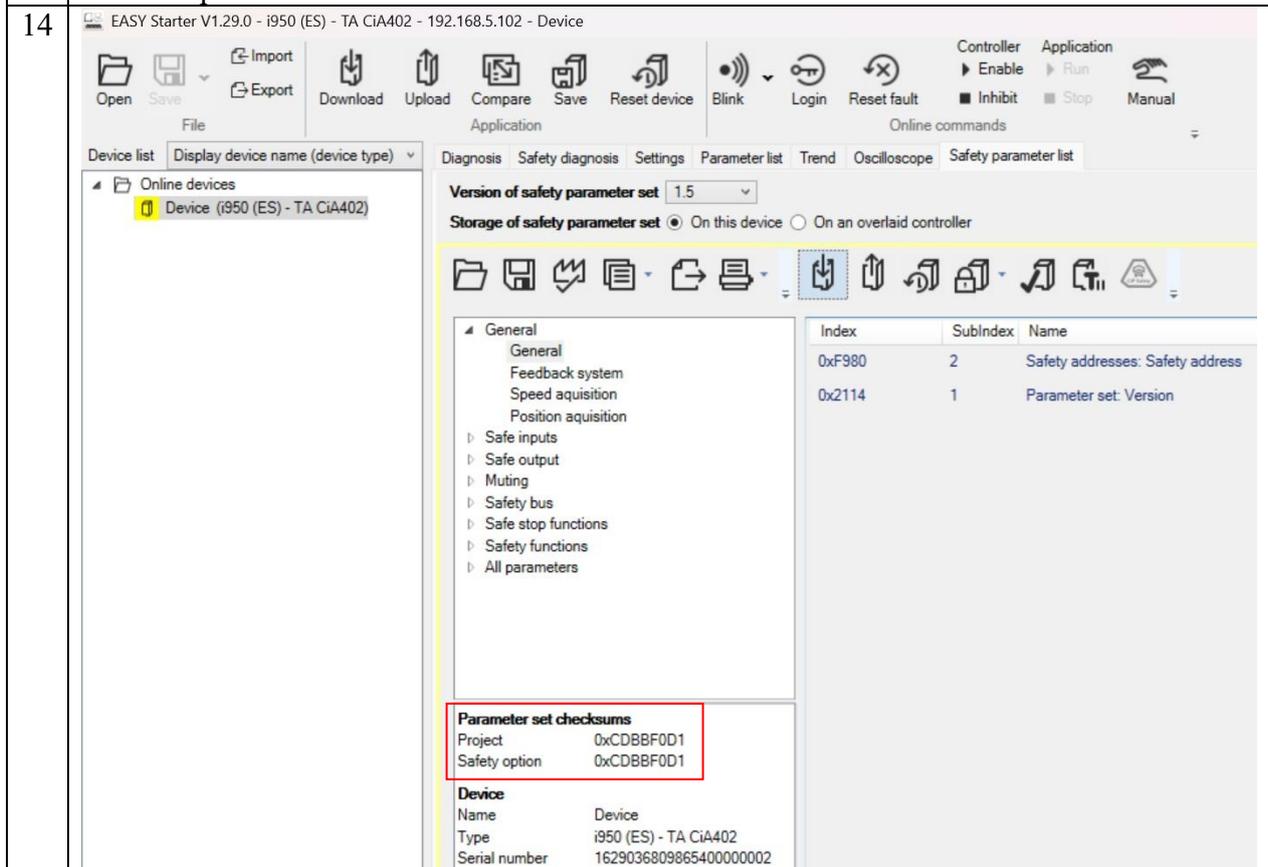
Safety information / disclaimer:

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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