Safe Torque Off Inputs

24V / STO A-B (C1) Connection

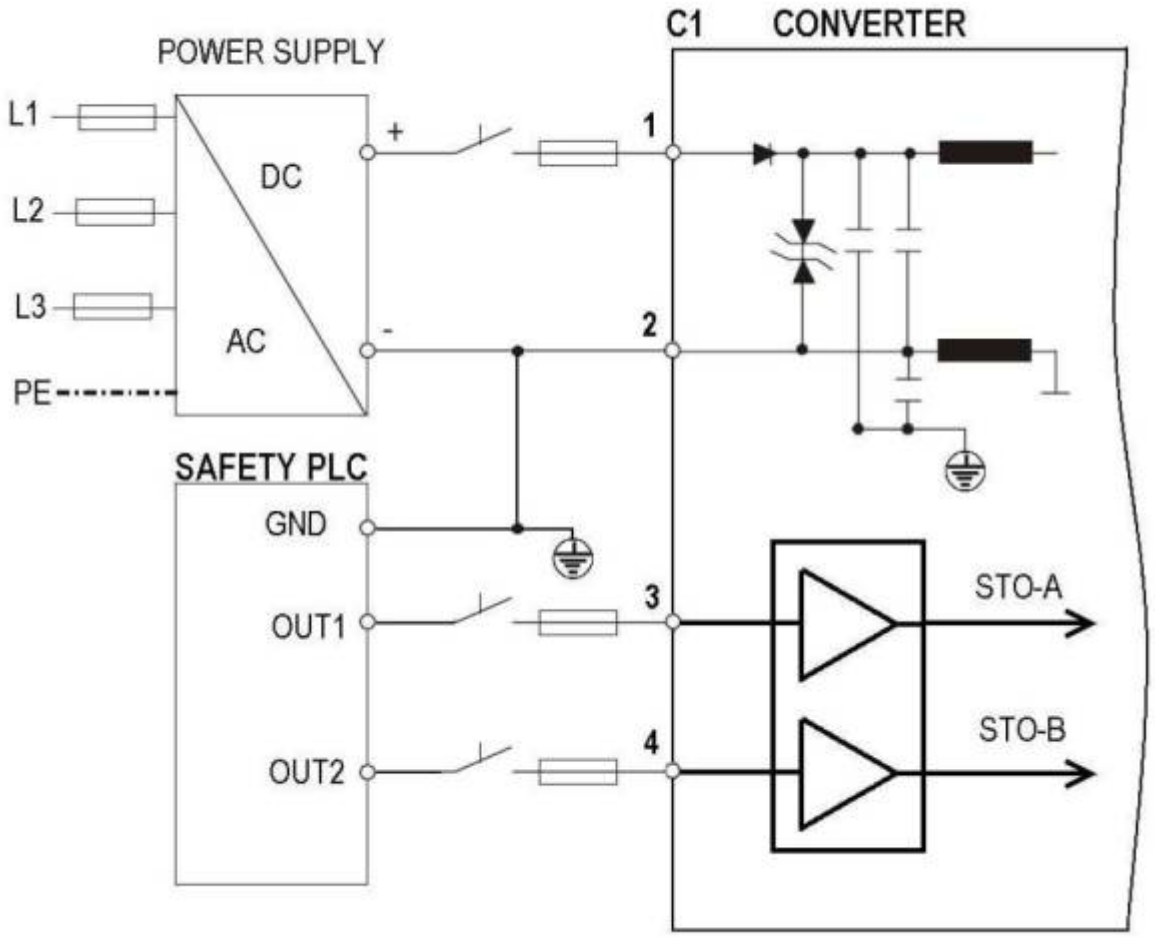
The C1 connector includes the power supply (24VDC required) and the safety inputs STO STO-A and-B.
STO Input are TUEV certified with specific firmware.

C1 Connector		
PIN	PIN	Description
1	+24V	Auxiliary power supply
2	GND	Ground of the auxiliary power supply
3	STO-A	Safety input “Safe Torque Off A” (see note below)
4	STO-B	Safety input “Safe Torque Off B” (see note below)

VERY IMPORTANT NOTE
Inputs for redundant management Safe Torque Off

The circuit is in the stage of approval; at the moment the manufacturer cannot be held responsible for any use for security functions .
The servo amplifier cannot be enabled if these inputs are leaved disconnected,
in this case the motor will remain without torque and if it is rotating, it will stop for inertia.
Is mandatory to drive the STO inputs only when the servo amplifier is disabled

Example of connection using STO-A and STO-B inputs



Example of connection to avoid the use of STO-A and STO-B inputs

If you do not intend to use the safe inputs STO-A and STO-A just connect them directly to connector 1 of C1 (see diagram below).