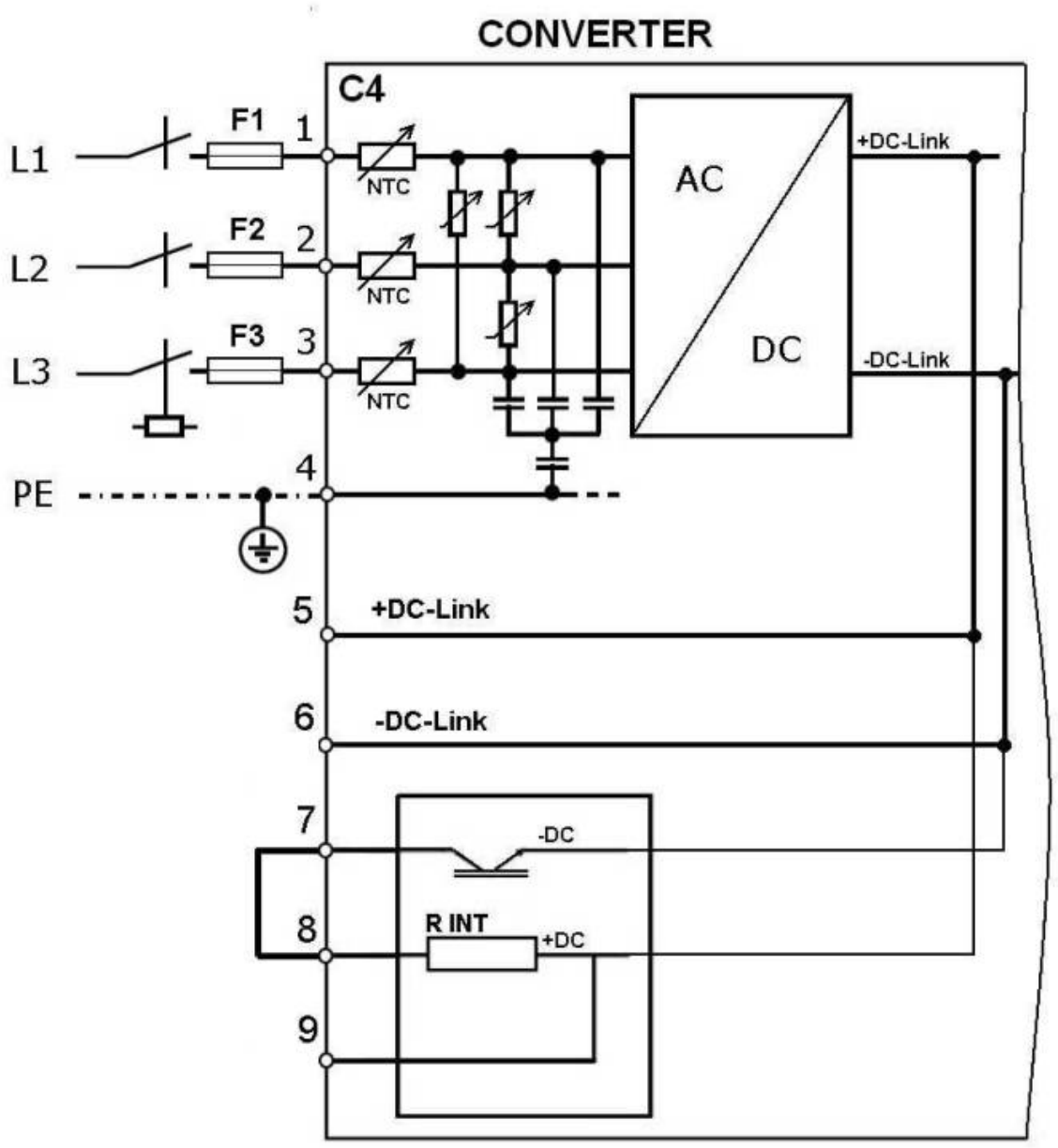
Connection to 3-phases Mains Supply Networks

Connection with 3x400 VAC power lines

The connection of the main electrical supply is made via C4 connector. The servo amplifier must be powered only by a 3-phase grounded current in the range 230V-10%, 400 +10% and 50/60Hz frequency.

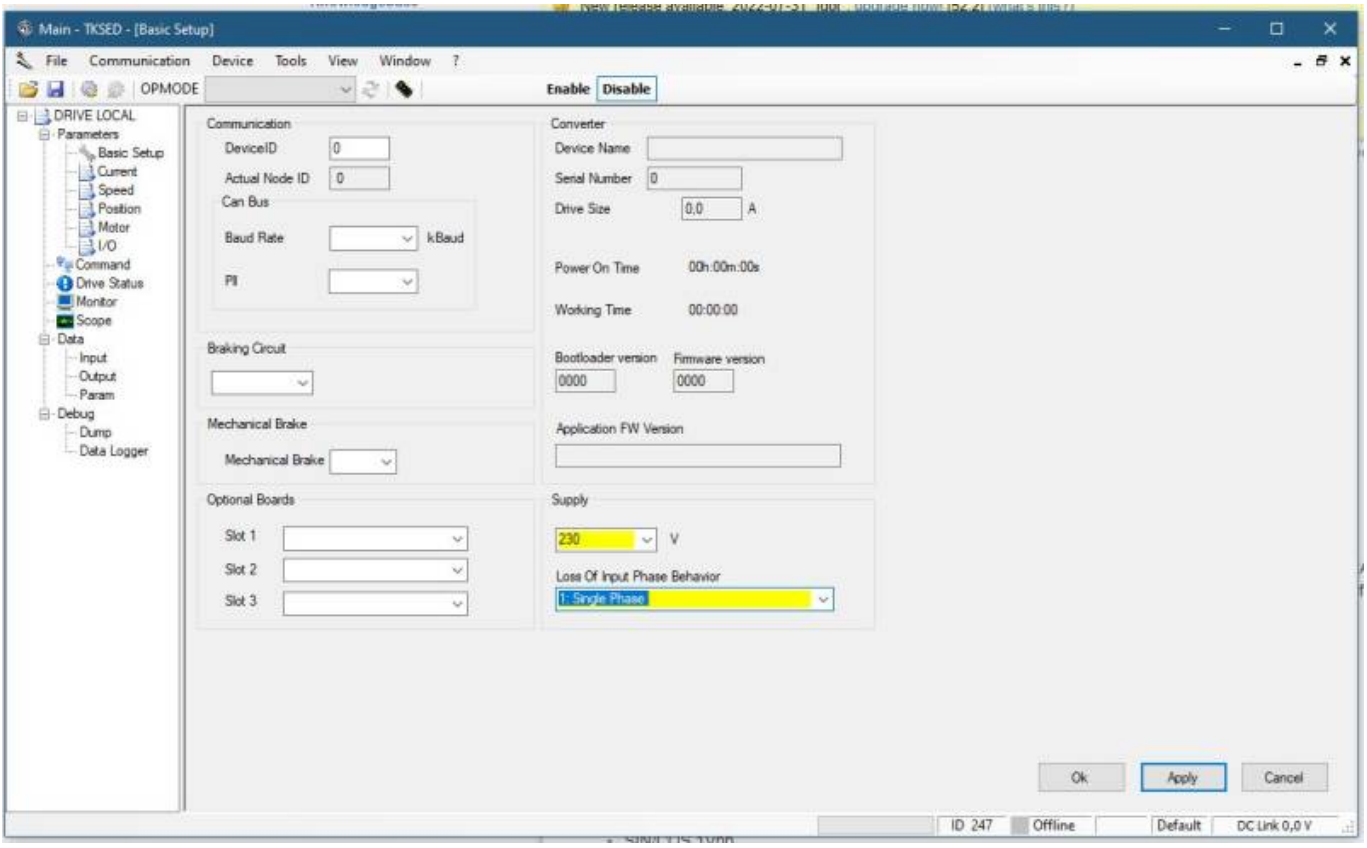
C4 CONNECTOR		
PIN	NAME	DESCRIPTION
1	L1	Power Line 1
2	L2	Power Line 2
3	L3	Power Line 3
4	PE	Protective Earth
5	+AT	+DC-link
6	-AT	-DC-link
7	R COM	Braking resistor common pole
8	R INT	Internal braking resistor connection, jumper between pin 7 and 8. (default)
9	R EXT	External braking resistor connection, connect the reistor to the pin 7 and 9



Connection with 230VAC single phase powerline

Please note that if you would like to use with monophase 230VAC power lines you have to connect L1, L2 and PE.
Respectively, **L1 (phase), L2 (neutral) and L3 (Protection earth).**

Then set the right Supply values on the Basic Setup window of TKSED software.



From:
https://www.nilab.at/dokuwiki/ - **NiLAB GmbH Knowledgebase**

Permanent link:
https://www.nilab.at/dokuwiki/doku.php?id=en:mbd_servo_drive:main_supply

Last update: **2026/09/11 07:57**