

14. Blas magnetisation unit

At the blas magnetisation unit the transformer is not switched directly to the network at first. The starting current inrush is absorbed with a further added small transformer. The small transformer does not get bypassed by using a bypass contactor before the main transformer is magnetised. This means a very certain and approved solution for a soft start-up.

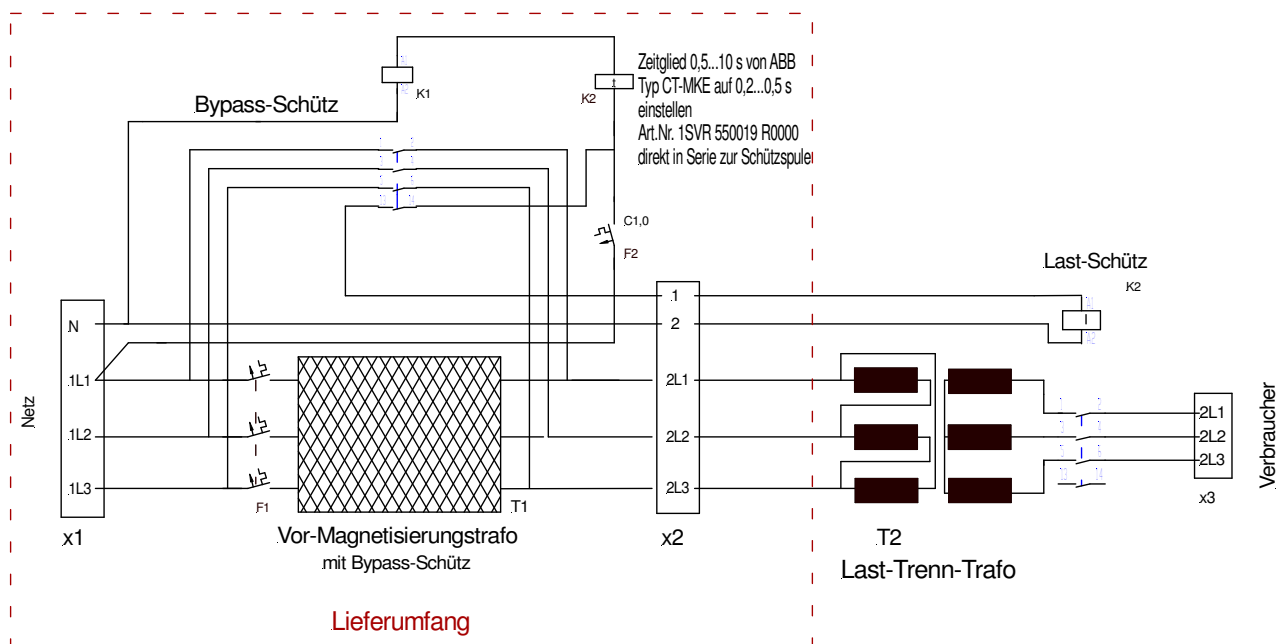
Example for a blas magnetisation unit 1.0 KVA corresponding to VDE 0570/EN61558-2-4 Insulation class

T40B separate windings. The primary and secondary voltage in each case is 3 x 400 Volt 50-60 Hz. The secondary current is only 1.45 A. Therewith transformers from 50...100 KVA may be switched on softly. The windings are observed via temperature switches in every winding.

Scope of delivery:

- Main components:
- Blas magnetisation transformer
- Bypass contactor K1
- Time relay K1'
- Case Type protection IP 23
- 2 pieces of cable entry M 32 for main circuit
- 1 piece of cable entry M 16 for control circuits load contactor ready for connection wired on clamps.

The load contactor K2 is not included in delivery. The load contactor may be dropped if it is ensured that the main transformer is switched on no-load.



Contactor coil voltage 230 Volt. In case of networks without N or no secured N or a different input voltage a control transformer with e.g. 400/230 Volt needs to be added.