SIEMENS

SIMOREG DC-MASTER

Operating Instructions

6RA70 Series

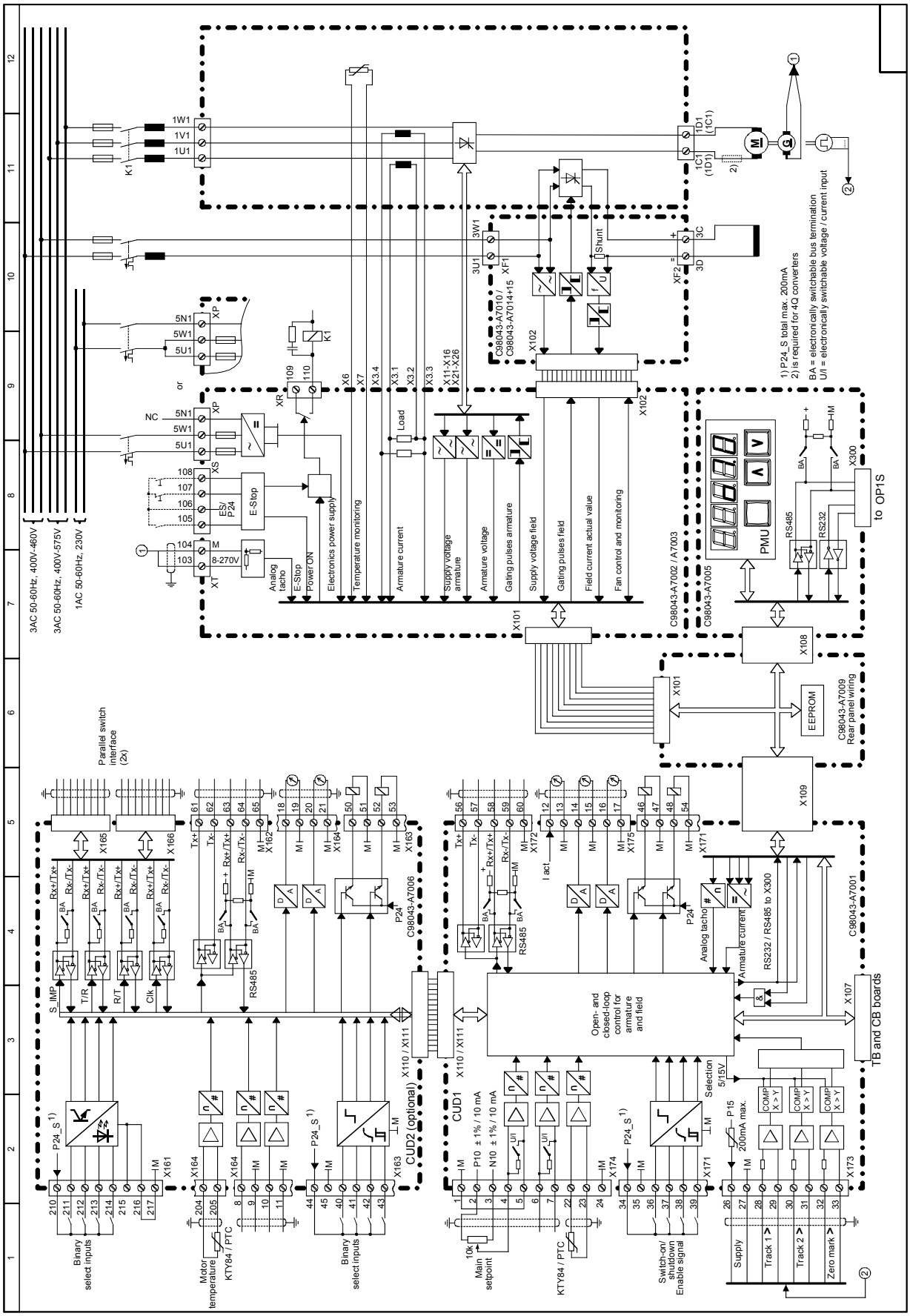
Microprocessor-Based Converters from 6kW to 2500kW
for Variable-Speed DC Drives

Edition 13

Order-No.: 6RX1700-0AD76

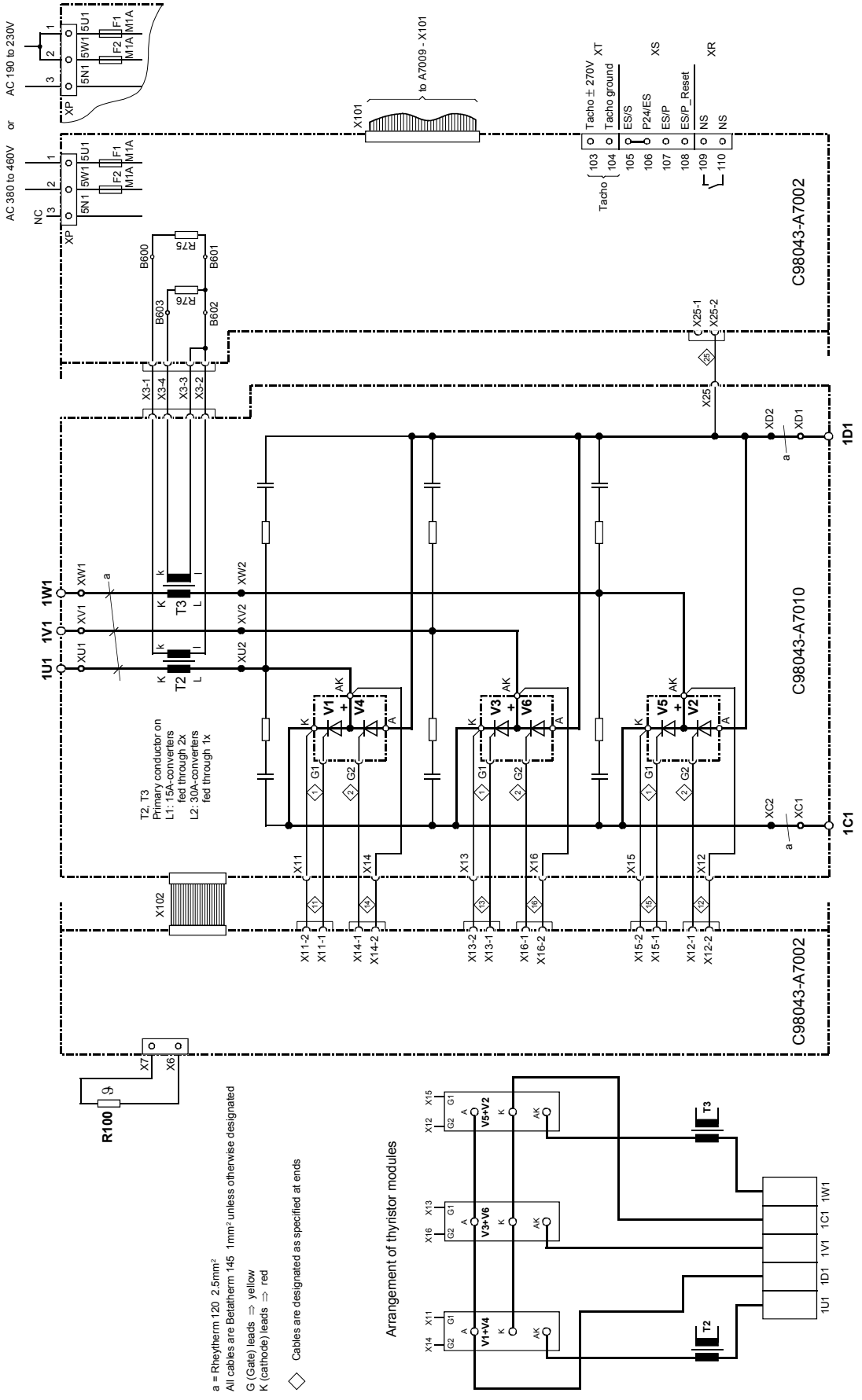
6.2 Block diagram with recommended connection

6.2.1 Converters: 15A to 125A

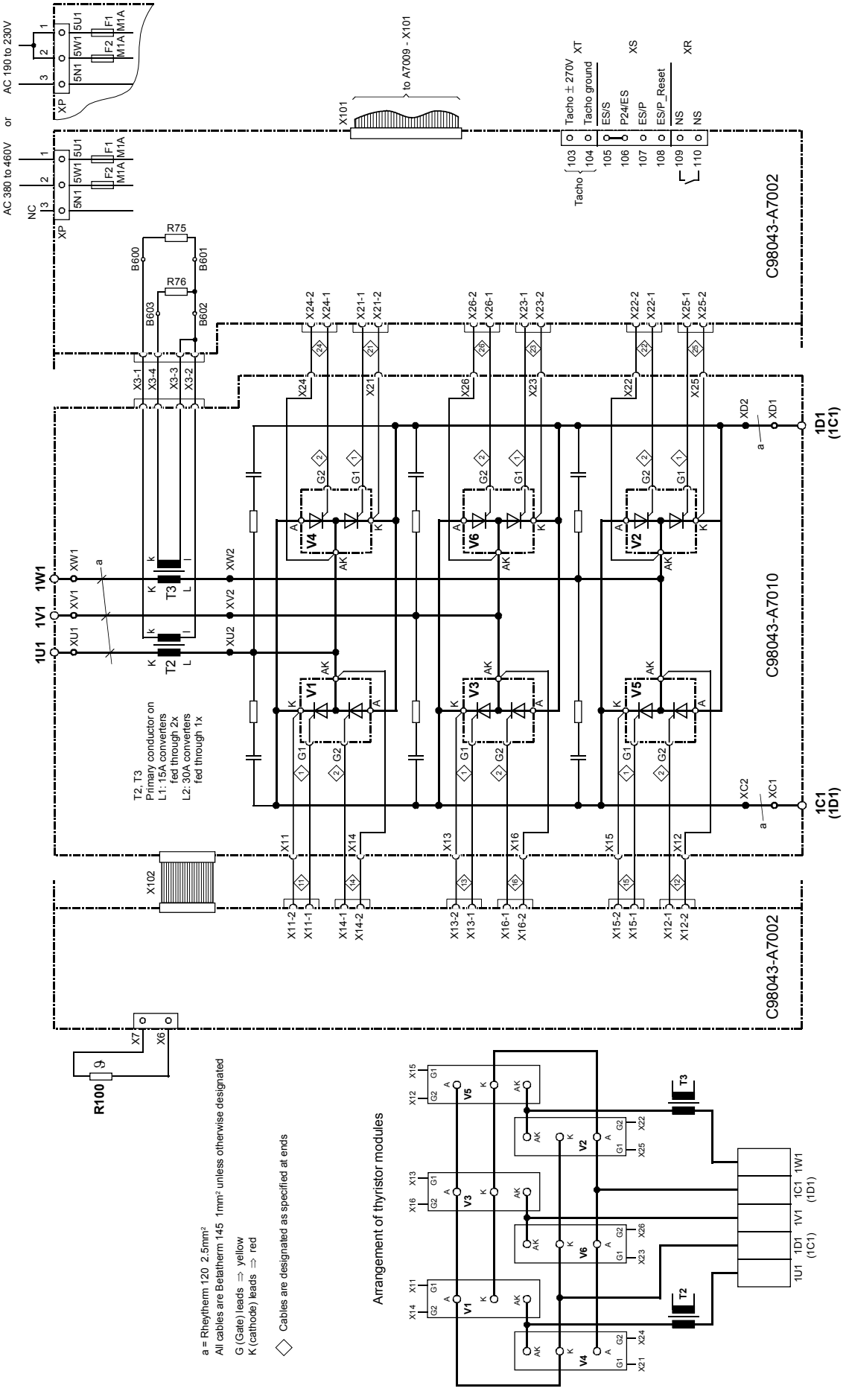


6.4 Power connections

6.4.1 Converters: 30A, 1Q

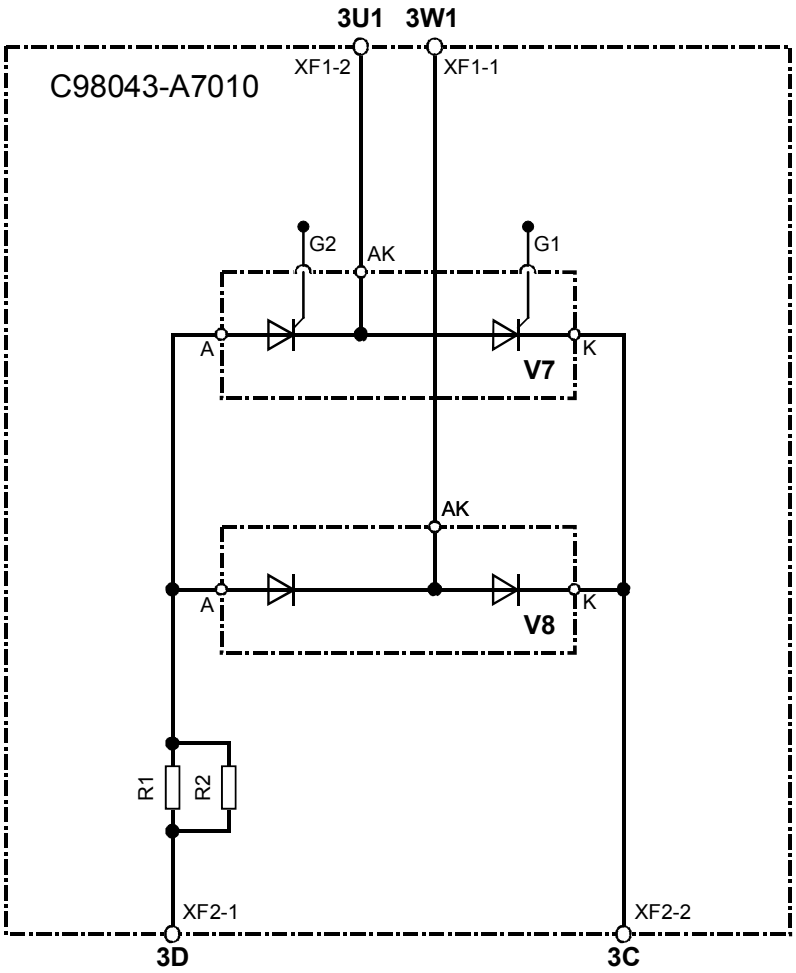


6.4.11 Converters: 15 to 30A, 4Q



6.5 Field supply

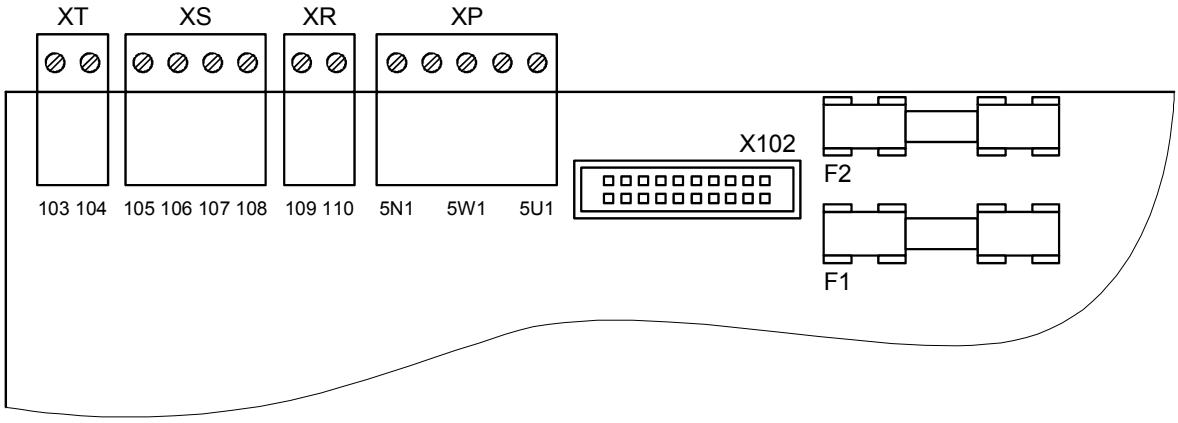
Converter type D . . . / 15 to 30A



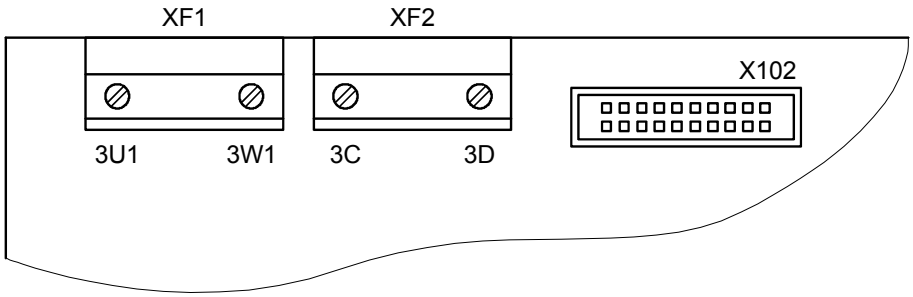
Gating leads are Betatherm 145 1mm²

Module	Rated DC current armature	Rated DC current field	R1	R2
A7010-L1	15A	3A	0R1	0R1
A7010-L2	30A	5A	0R1	0R05

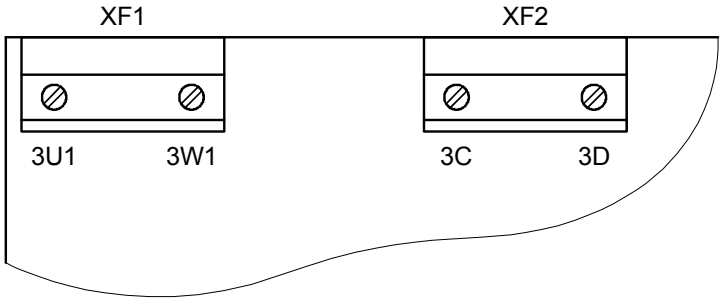
Module C98043-A7002 or C98043-A7003



Module C98043-A7010



Module C98043-A7014



13.2.2 Replacement of PCBs

WARNING

PCBs may be replaced only by properly qualified personnel.

PCBs must not be removed or inserted when the power supply is connected.

Non-observance of the safety instructions can result in death, severe personal injury or substantial property damage.

CAUTION

PCBs contains electrostatically sensitive devices. Before touching a PCB, the person carrying out the work must himself be electrostatically discharged. The simplest way of doing this is to touch an electrically conductive earthed object, e.g. socket outlet earth contact.

CAUTION

If one of the following boards is replaced

- C98043-A7004 *(field board for units with disk-type thyristors)*
- C98043-A7010 *(power section for 15A and 30A units)*
- C98043-A7014
- C98043-A7015

} *(field boards for 60A to 1200A units)*

the "internal offset adjustments" (P051 = 22) must be repeated !