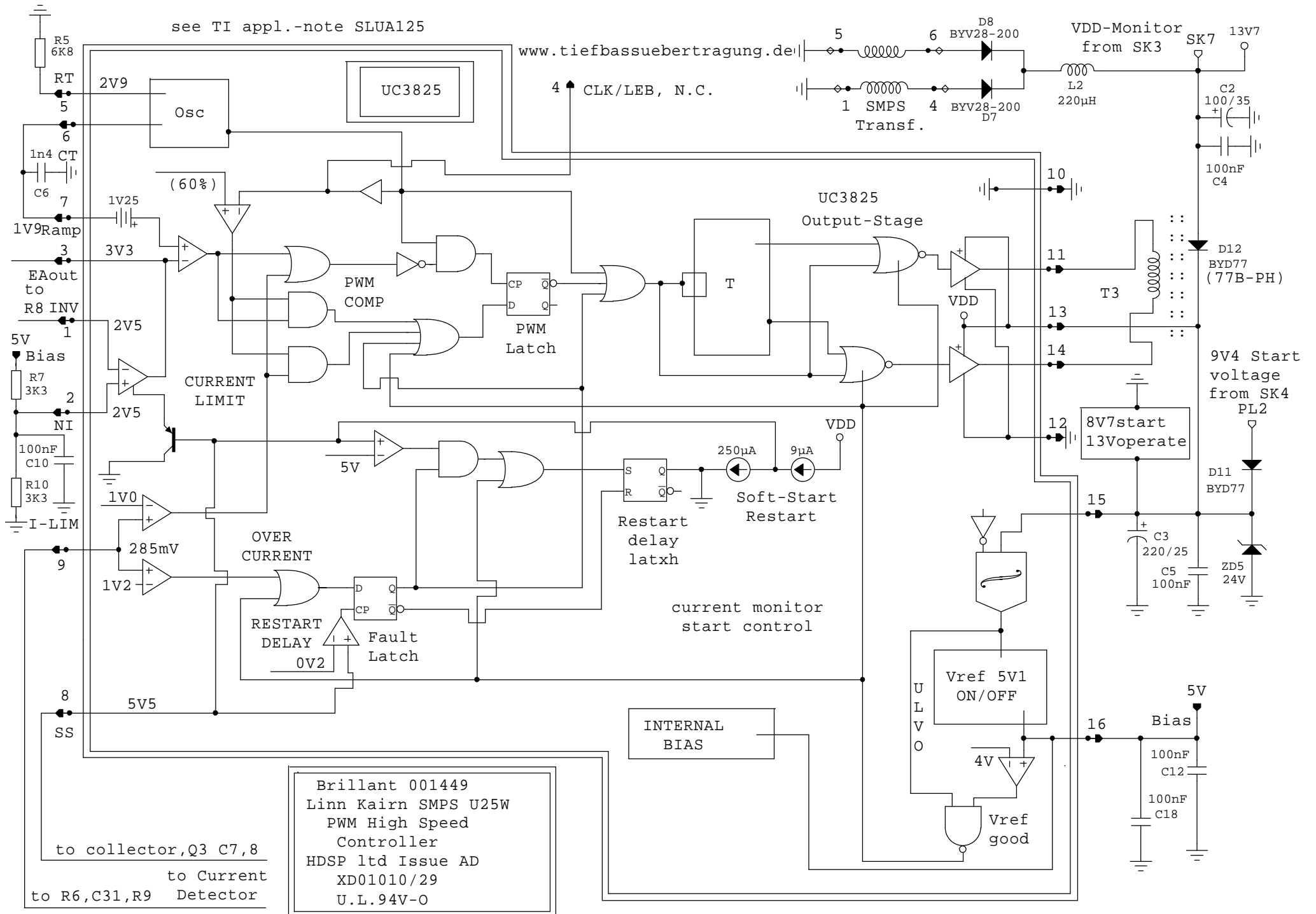
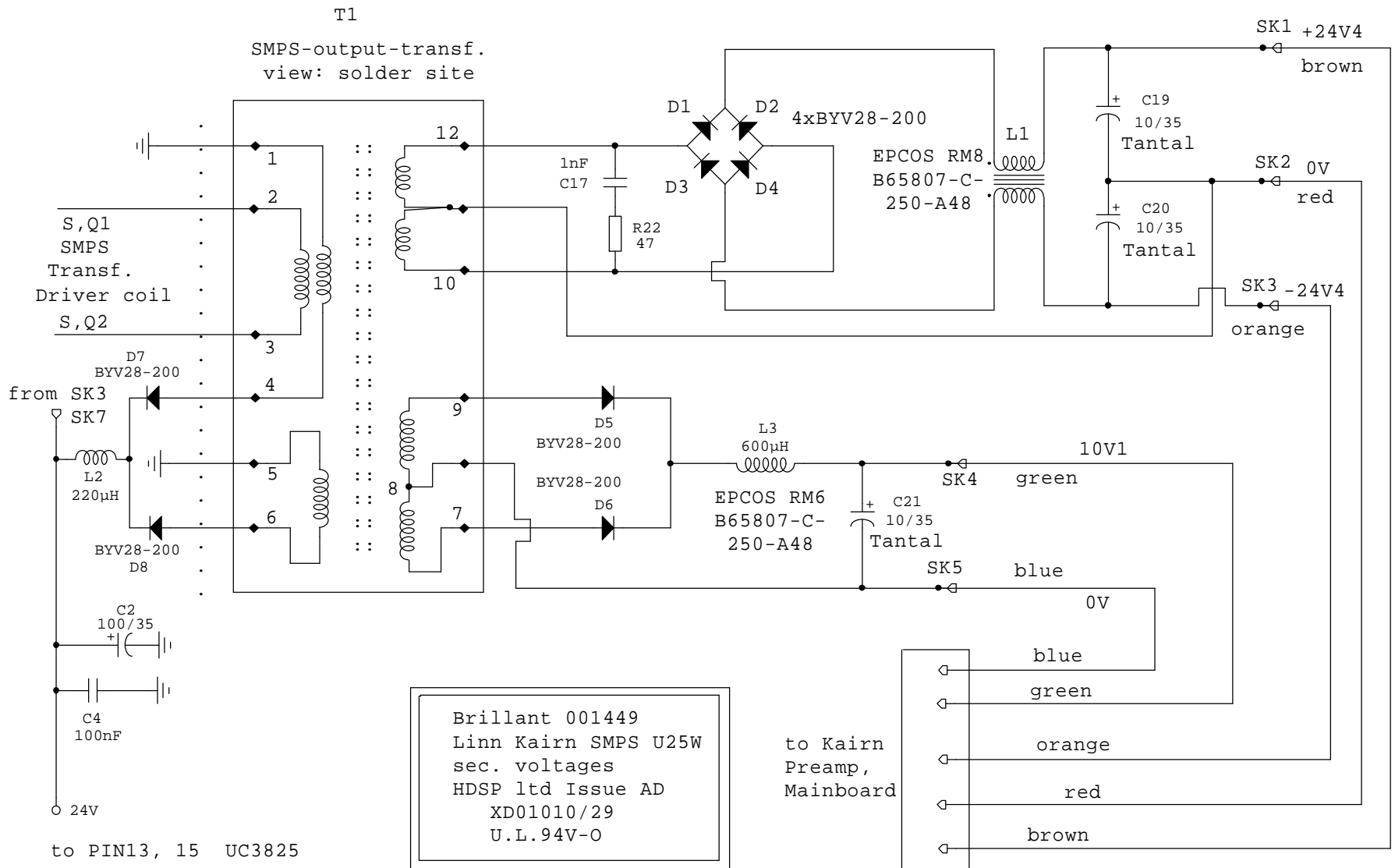


Brillant 001449
Linn Kairn SMPS U25W
PWM SM driver Stage
current monitor
HDSP ltd Issue AD
XD01010/29
U.L.94V-O

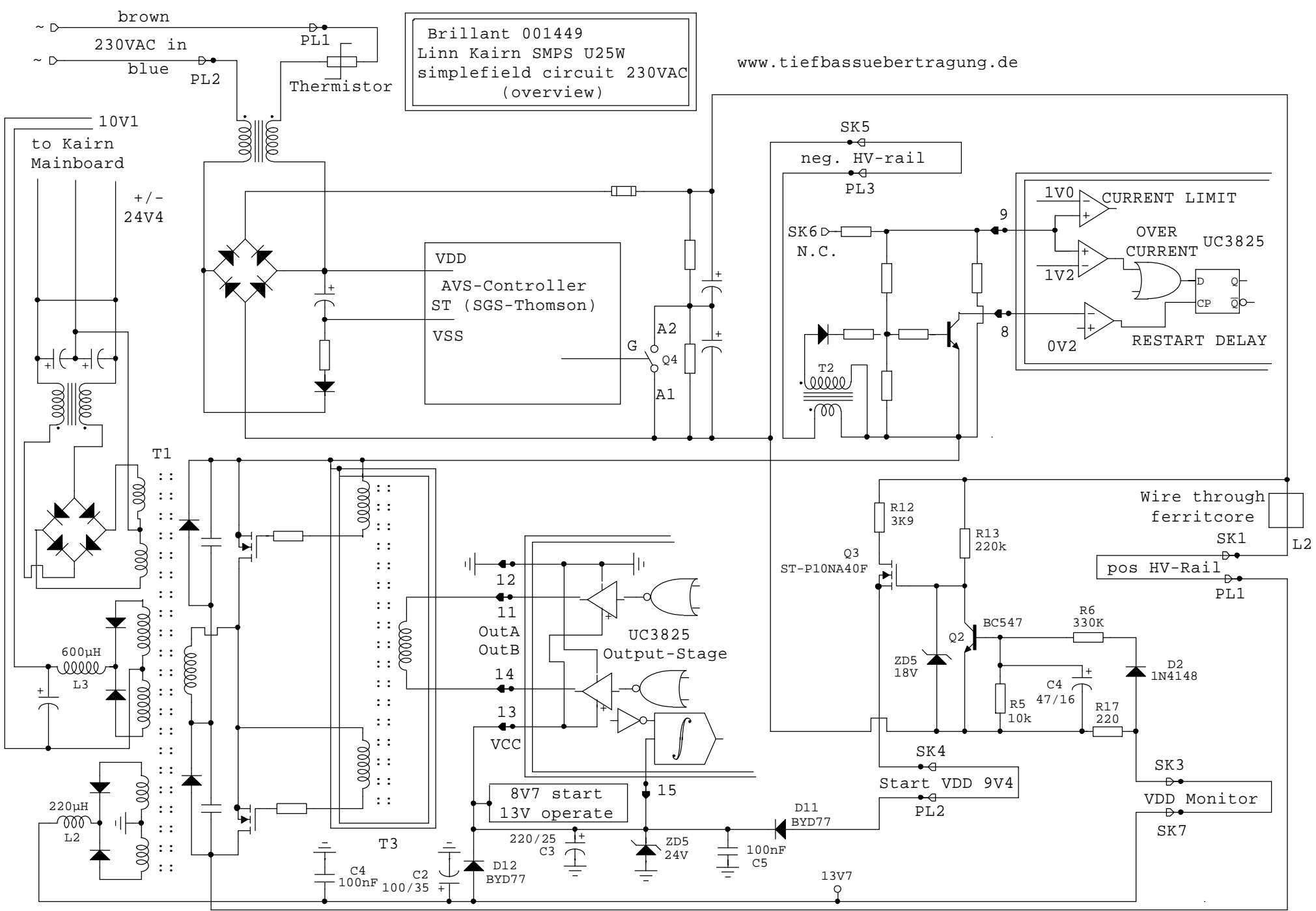




drawing 31.12.2001 main faults: R15-R14-R9 (AVS) R13-R12 (9V4 start voltage)
replace through Caddock type MG680

Brillant 001449
Linn Kairn SMPS U25W
simplefield circuit 230VAC
(overview)

www.tiefbassuebertragung.de

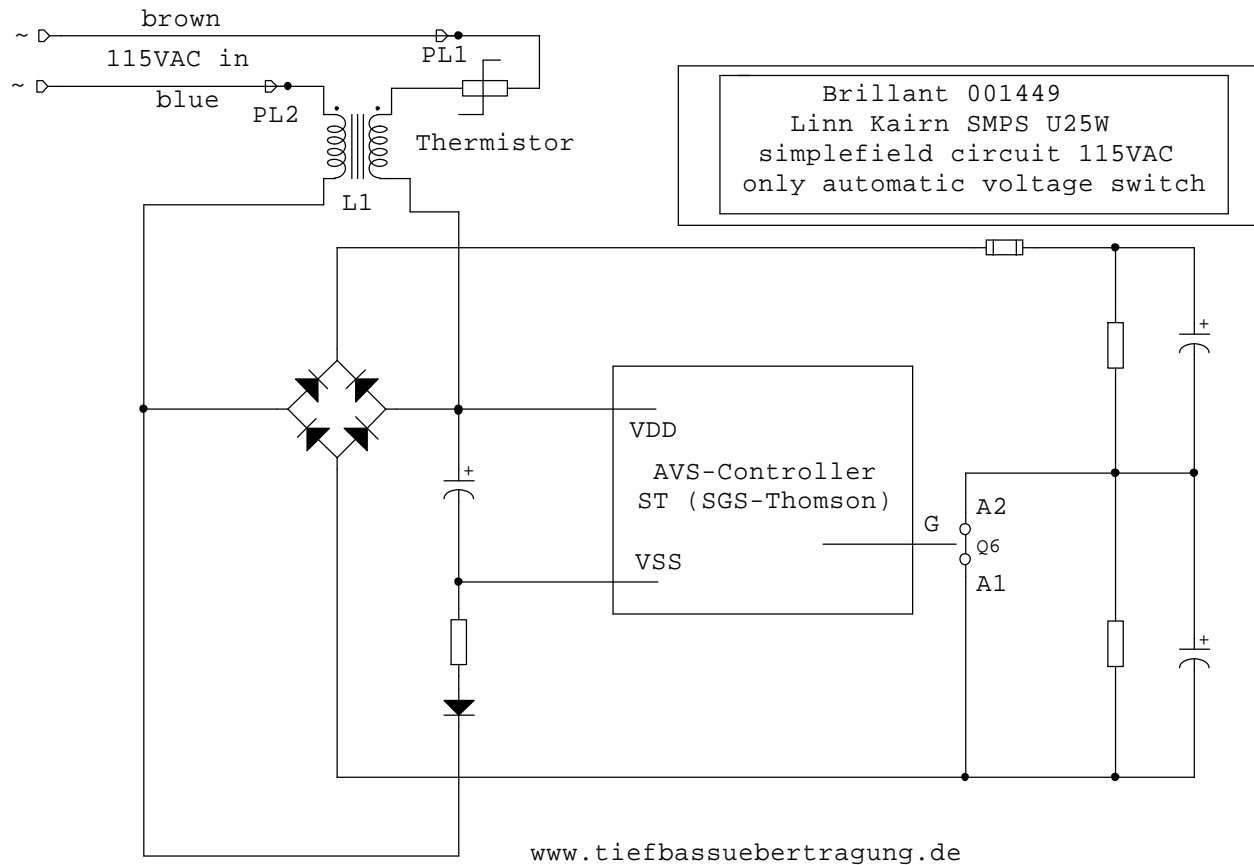


sequence number SMPS board:

```

=====
C 1: N.P.                R 1: 10K          D1-D8: BYV 28-200
C 2: 100uF/35V          R 2: 10K          D9-D10: BYM 26 C (Philips)
C 3: 220uF/25V          R 3: 22R          D11-D13: BDY 77 (77B-Ph)
C 4: 100nF SMD          R 4: 22R          ZD1-ZD4: ZPD18
C 5: 100nF SMD          R 5: 6K8          ZD5: ZPD24
C 6: 1,4nF SMD          R 6: 1K           Q1-Q2: ST-P10NA40F, TO220,iso
C 7: 220nF SMD          R 7: 3K3          Q3: BC847C SOT32 (1Gp)
C 8: 220nF SMD          R 8: 12K
C 9: 220nF SMD          R 9: 1K           L1: dual-inductor EPCOS RM8
C10: 100nF SMD          R10: N.P.         L2: 220 uH
C11: N.C.               R11: N.P.         L3: 600 uH EPCOS RM6
C12: 100nF SMD          R12: 5K6
C13: 100nF SMD          R13: 1K           T1: SMPS output transformer
C14: 100nF SMD          R14: 10R          T2: current detector transf.
C15: N.C.               R15: 1K           T3: SMPS driver transformer
C16: 100nF SMD          R16: N.C.
C17: 1nF RM5            R17: N.P.         IC: UC3825 high speed PWM contr.
C18: N.C.               R18: 22K
C19: 10 uF SMD          R19: 1K5
C20: 10 uF SMD          R20: 330K
C21: 10 uF SMD          R21: 10R
C22: N.P.               R22: 47R*
C23: 220nF RM15         R23: 22K          C4: 47uF/16V Q1: N.C.
C24: 220nF RM15         R24: N.P.         C5: N.C. Q2: BC547
C25-C27: N.P.           R25: 10K          C6: 100pF SMD Q3: ST-P10NA40F
C28: 100nF              C7: 33uF/35V Q4: AVS10CB1
C29: N.C.                D1: SKB2/08 D2: 1N4148
C30: 220nF SMD          D3: N.C. D4: 1N4007
C31: 220nF SMD          ZD5: ZPD18 D6: N.P. D7: N.C.
                        *R22: leaded
                        version, all
                        other SMD
                        R1: 0R68 fusible R10: 18K SMD
                        R2: 100K SMD R11: 91K SMD
                        R3: 100K SMD R12: 3K9 2Watt
                        R4: 680R SMD R13: 220K 0,25W
                        R5: 10K SMD R14: 9K1 SMD
                        R6: 330K SMD R15: 9K1 SMD
                        R7: 10K SMD R16: SG320 Therm.
                        R8: 330R SMD R17: 220R SMD
                        R9: 1M SMD IC1: AVS1AC
=====
sequence number AVS/start board
=====
C1: RIFA PZB300MC 0,15uF+2x4n7
C2-C3: 330uF/200V
C4: 47uF/16V Q1: N.C.
C5: N.C. Q2: BC547
C6: 100pF SMD Q3: ST-P10NA40F
C7: 33uF/35V Q4: AVS10CB1
D1: SKB2/08 D2: 1N4148
D3: N.C. D4: 1N4007
ZD5: ZPD18 D6: N.P. D7: N.C.
R1: 0R68 fusible R10: 18K SMD
R2: 100K SMD R11: 91K SMD
R3: 100K SMD R12: 3K9 2Watt
R4: 680R SMD R13: 220K 0,25W
R5: 10K SMD R14: 9K1 SMD
R6: 330K SMD R15: 9K1 SMD
R7: 10K SMD R16: SG320 Therm.
R8: 330R SMD R17: 220R SMD
R9: 1M SMD IC1: AVS1AC
=====

```



Note:

N.C.: the PCB-marking for this devices are to see, but the devices itself are not connected

N.P.: this device numbers are not present in the number sequence D/Z/Qn-nn, Cn-nn and Rn-nn

