



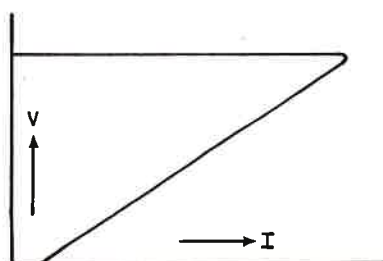
n.v. delta elektronika

oude haven 12 zierikzee nederland telefoon (01110) 2734



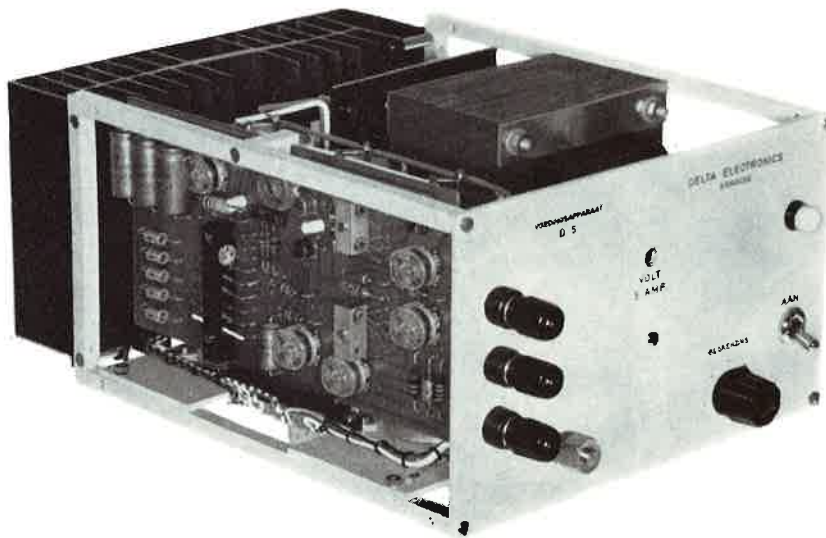
GESTABILISEERD VOEDINGSAPPARAAT D 5

- Spanning : Vast ingestelde gelijkspanning te kiezen tussen 6 V en 30 V
- Stroom : Maximaal 5 A
- Geheel met siliciumtransistoren uitgevoerd
- Wijziging der uitgangsspanning mogelijk door het omsolderen van 2 transformatoraftakkingen + het verdraaien van een potentiometer
- Stabilisatie : Bij een netspanningsvariatie van + of — 10 % varieert de uitgangsspanning minder dan + of — 3 mV
Bij een belastingsvariatie van 0 — 5 A varieert de uitgangsspanning minder dan + of — 10 mV
- Rimpelspanning ca 0,1 mV effectief



Stroombegrenzing met sterk teruglopende stroom bij korstsluiting, zelfherstellend, kontinu instelbaar.

Bestand tegen langdurige overbelasting en kortsluiting.



- Parallel- en serieschakeling: Parallel- en serieschakeling van meerdere apparaten van dit type is toegestaan onder alle belastingscondities
- Koeling : Bij inbouw dient men er voor zorg te dragen dat de lucht onbelemmerd vertikaal door het koelprofiel kan stromen
- Aarding : De schakeling is geïsoleerd ten opzichte van de kast
De kast is verbonden met de randaarde van de netspanning
- Netspanning : 220 V of 110 V 50 — 400 Hz
De primaire van de transformator bestaat uit 2 wikkelhelften welke voor 220 V in serie- en voor 110 V parallel geschakeld zijn
- Uitvoeringen : Uitvoering A als tafelmodel
B zonder kap en bodem
Twee aan elkaar geschroefde apparaten uitvoering B passen in een 19-inch rek
De hierbij benodigde hoekprofielen kunnen los bijgeleverd worden (Type nr. H 2)
- Afmetingen : Uitvoering A 221 × 150 × 300 mm
B 215 × 133 × 300 mm
(breedte × hoogte × diepte)
- Gewicht : Uitvoering A 10,8 kg.
B 9,4 kg.

STUKLIJST D 5

R IN Ω ($\frac{1}{2}$ W)

- 1 = 15 K
- 2 = 100 K
- 3 = 1 M VAR.
- 4 = 1 K (1 W)
- 5 = 470 2% METAALFILM
- 6 = VERVALLEN
- 7 = 10 Ω (5 W)
- 8 = AFREGEL 2% METAALFILM
- 9 = AFREGEL 2% METAALFILM
- 10 = AFREGEL
- 11 = 47 K
- 12 = AFREGEL
- 13 = 330
- 14 = 1 K VAR.
- 15 = 470
- 16 = 4,7 K
- 17 = 47 K
- 18 = 470
- 19 = 1 K VAR.
- 20 = 6,8 K
- 21 = 10 K
- 22 = 1 K VAR.
- 23 = 6,8 K
- 24 = 1 K VAR.
- 25 = AFREGEL
- 26 = 1,8 K
- 27 = 5 K DUBBEL POTM.
- 28 = 5 K DUBBEL POTM.
- 29 = 100 POTM.
- 30 = 500 POTM.
- 31 = 3,9 DR.GEW.
- 32 = 100
- 33 = 1,5 K (5 W)
- 34 = 330 (5 W)

CONDENSATOREN

- 1 = 250 μ F 16 V
- 2 = 250 μ F 16 V
- 3 = 100 μ F 70 V
- 4 = 10 μ F 100 V
- 5 = 1000 pF 400 V
- 6 = 0,047 μ F 250 V
- 7 = 1 μ F 160 V
- 8 = 500 μ F 70 V
- 9 = VERVALLEN
- 10 = 2500 μ F 100 V
- 11 = 2500 μ F 100 V
- 12 = 2500 μ F 100 V

DIODEN

- 1 = 1N3193 RCA
- 2 = 1N3193 RCA
- 3 = 1N3193 RCA
- 4 = 1N3193 RCA
- 5 = 1N3193 RCA
- 6 = ZG 6,8 INTERMETALL
- 7 = ZG 6,8 INTERMETALL
- 8 = OA 202 PHILIPS
- 9 = 1N3209 MOTOROLA
- 10 = 1N3209 MOTOROLA
- 11 = 1N3209 MOTOROLA
- 12 = 1N3209 MOTOROLA
- 13 = 1N3209 MOTOROLA
- 14 = 1N3193 RCA

TRANSISTOREN

- 1 = 2N3053 RCA
- 2 = 2N3053 RCA
- 3 = 40232 RCA
- 4 = 40232 RCA
- 5 = 40232 RCA
- 6 = 40232 RCA
- 7 = 40250 RCA
- 8 = 2N3055 RCA
- 9 = 2N3055 RCA

REF. = REFERENTIEEENHEID
(KOMBINATIE MET LAGE
TEMP.KOËFF.)

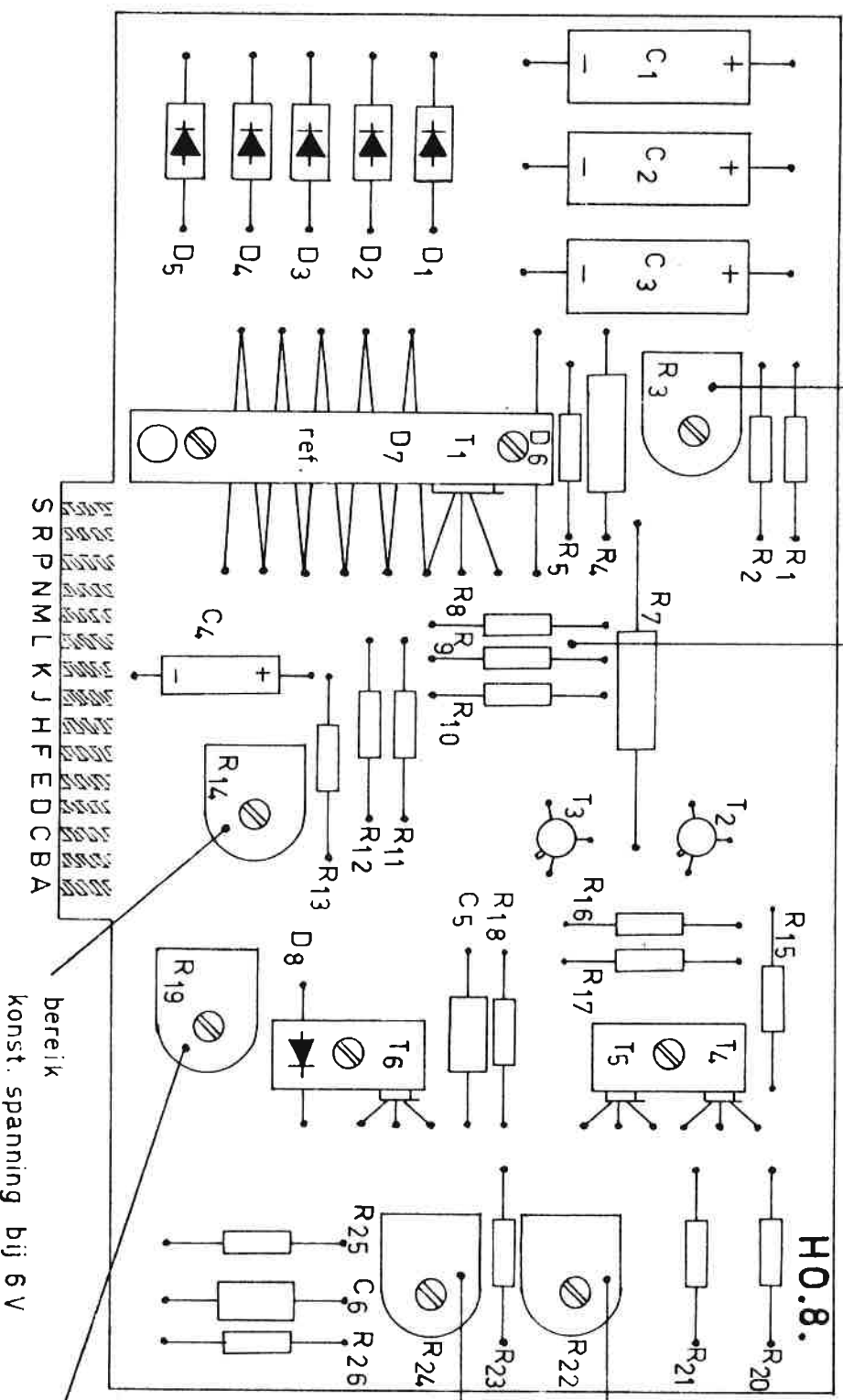
L = LILIPUT TELEFOONLAMPJE
6 V 0,04 A.

H₂ = LOS HOEKSTUK VOOR
REKMONTAGE.

OF OVEREENKOMSTIGE TYPEN

kompensatie
netsp. var.

bereik
konst. spanning bij 30 V

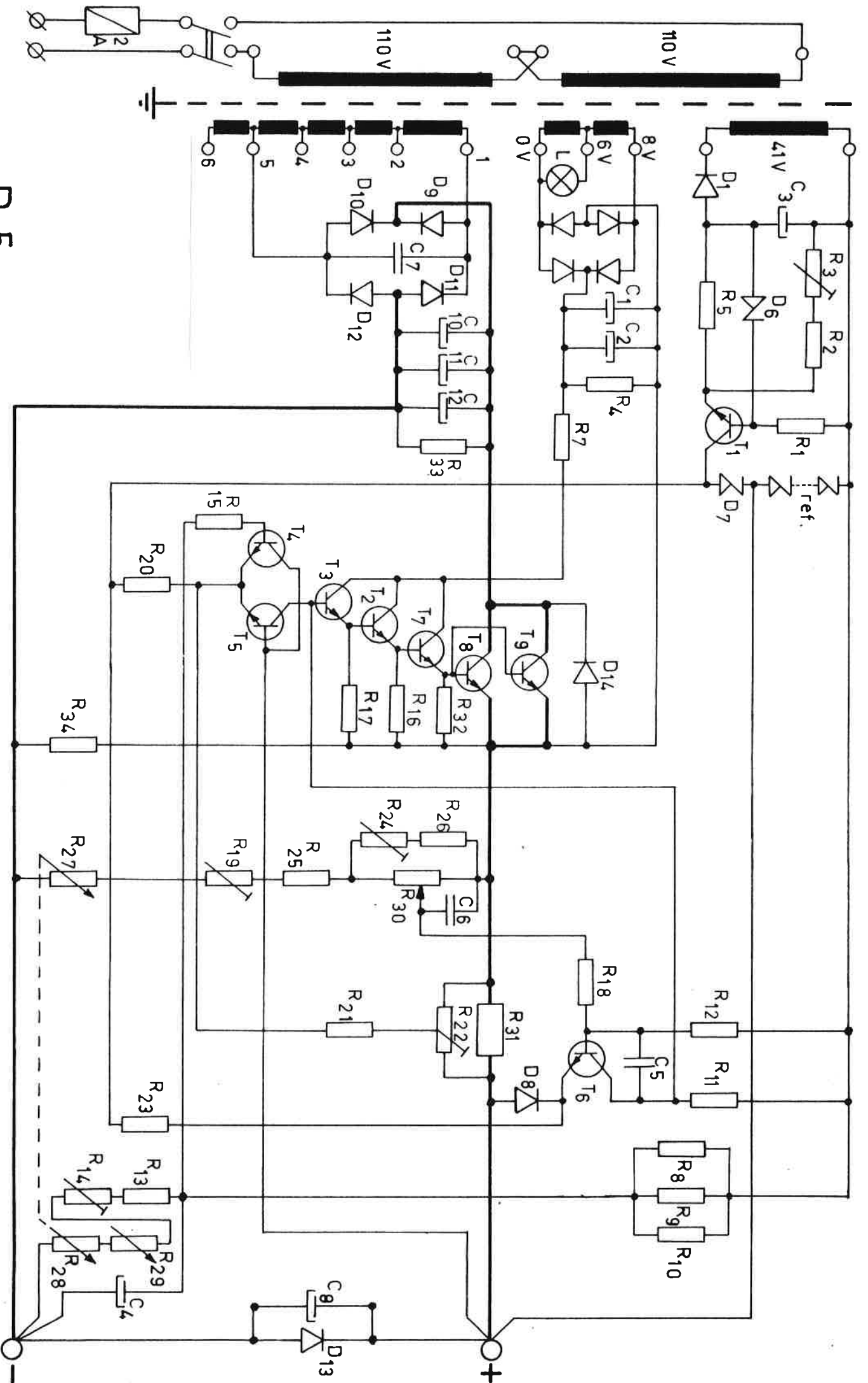


bereik
konst. spanning bij 6 V

stroom
begrenzing bij 6 V

N.V. DELTA ELEKTRONIKA
zierikzee

TYPE D 5



D 5

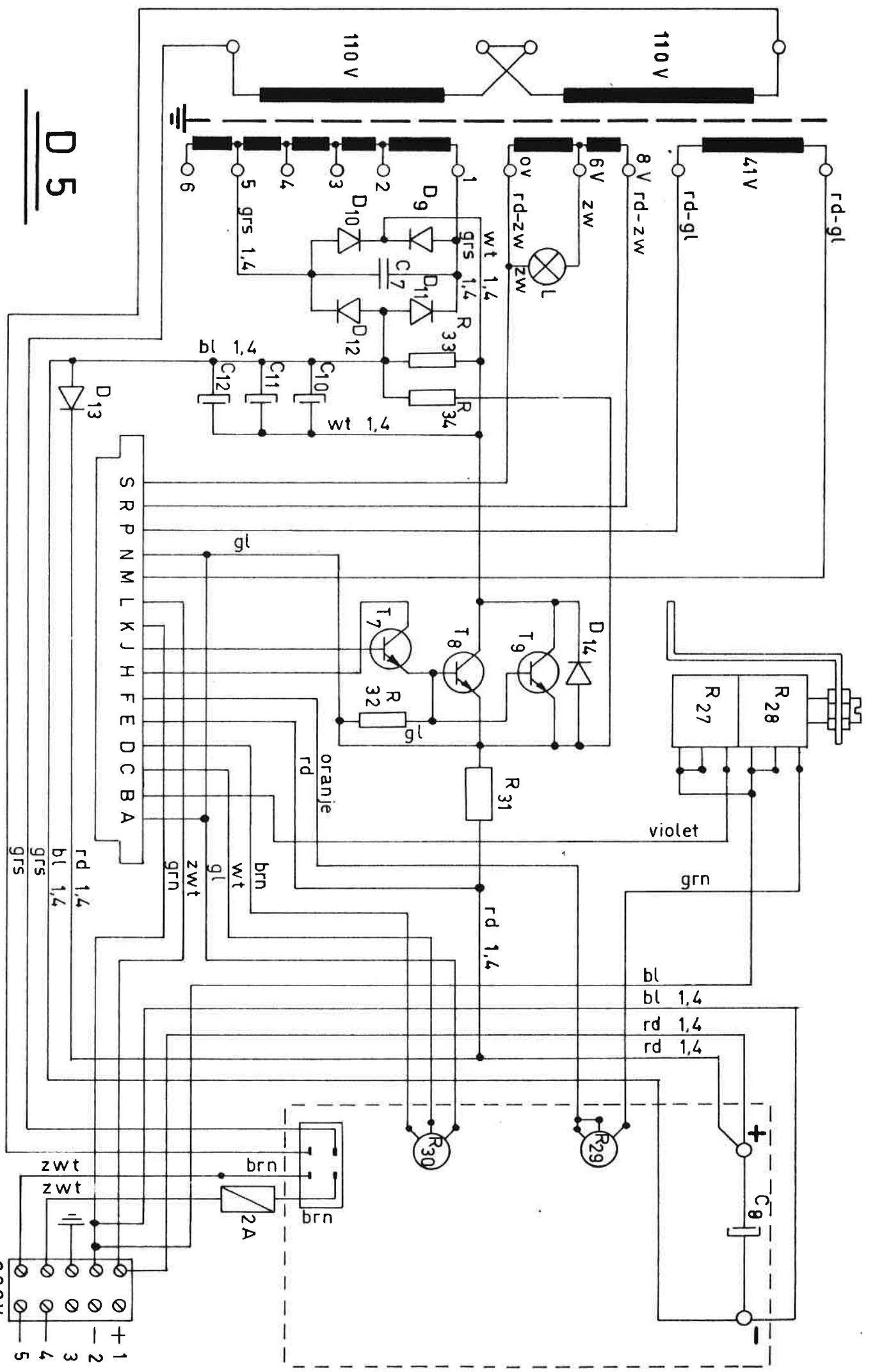
N. V. DELTA ELEKTRONIKA

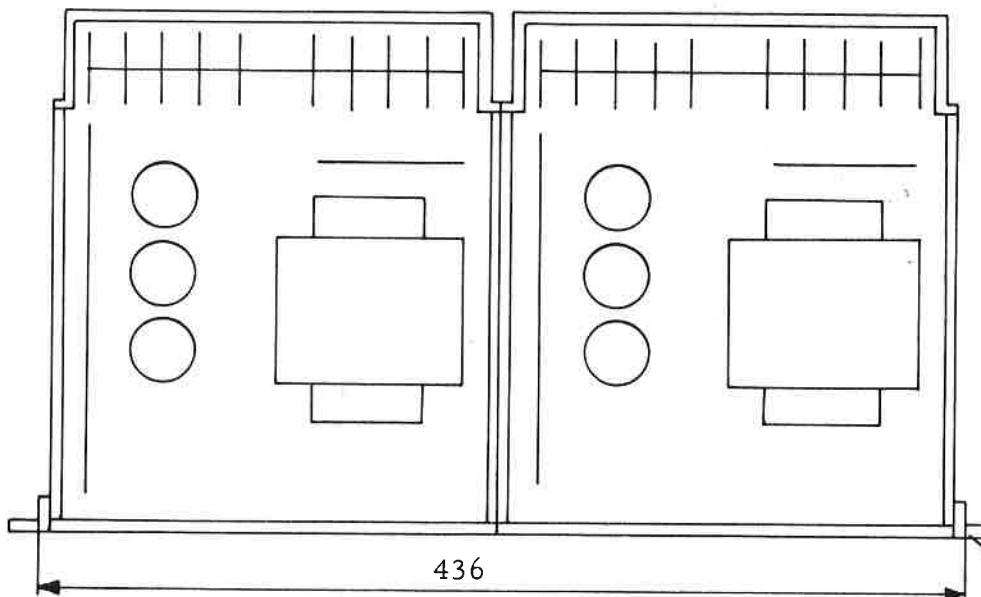
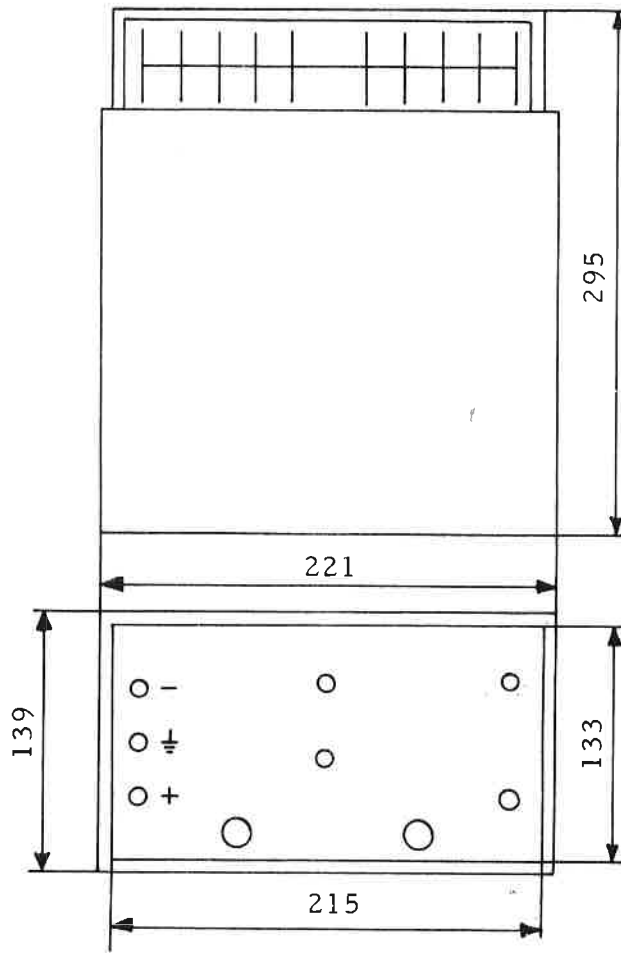
ziederikzee

D 5

N.V. DELTA ELEKTRONIKA zierikzee

220V
50 400 Hz





Toepassing 19 Inch rek

Hoekprofiel
Type Nr. H2

R (Ohm)

1 =	15	k	$\frac{1}{2}$ W	5%
2 =	100	k	$\frac{1}{2}$ W	5%
3 =	1	m	var.	
4 =	470		$\frac{1}{2}$ W	2% MF
5 =	100	k	$\frac{1}{2}$ W	5%
6 =	4,7	k	$\frac{1}{2}$ W	2% MF
7 =	ARW			
8 =	ARW			
9 =	470		$\frac{1}{2}$ W	5%
10 =	470		$\frac{1}{2}$ W	2% MF
11 =	10	k	var.	
12 =	10		$\frac{1}{2}$ W	5%
13 =	470		$\frac{1}{2}$ W	5%
14 =	4,7	k	$\frac{1}{2}$ W	5%
15 =	10	k	$\frac{1}{2}$ W	5%
16 =	15	k	$\frac{1}{2}$ W	5%
17 =	820		$\frac{1}{2}$ W	2% MF
18 =	1	k	$\frac{1}{2}$ W	5%
19 =	10	k	var.	
20 =	100		$\frac{1}{2}$ W	5%
21 =	1	k	$\frac{1}{2}$ W	5%
22 =	4700		$\frac{1}{2}$ W	5%
23 =	8,2	k	$\frac{1}{2}$ W	5%
24 =	5	k	var.	
25 =	0,4		dr. gew.	
26 =	1,5	k	5W	
27 =	330		5W	
28 =	250		var.	
29 =	500		var.	
30 =	10	k	$\frac{1}{2}$ W	5%
31 =	1	k	$\frac{1}{2}$ W	5%

C (microfarad)

1 =	50	70 V
2 =	50	70 V
3 =	25	70 V
4 =	0,00047	400 V
5 =	2	15 V
6 =	1	250 V
7 =	2500	70/80 V
8 =	2500	70/80 V
9 =	2500	70/80 V
10 =	500	70 V

T 1 =	2N3053	RCA
2 =	2N3055	RCA
3 =	2N3053	RCA
4 =	2N3053	RCA
5 =	2N3704	TI
6 =	OC 445	Intermetall
7 =	2N3053	RCA
8 =	2N3704	TI
9 =	2N3704	TI
10 =	2N3704	TI
11 =	2N3055	RCA
12 =	2N3055	RCA

D 1 =	1N3193	RCA
2 =	ZG 6,8	Intermetall
3 =	ZG 6,8	Intermetall
4 =	40209	RCA
5 =	40209	RCA
6 =	40209	RCA
7 =	40209	RCA
8 =	40209	RCA
9 =	1N3193	RCA
10 =	OA 202	Philips
11 =	OA 202	Philips
12 =	OA 202	Philips

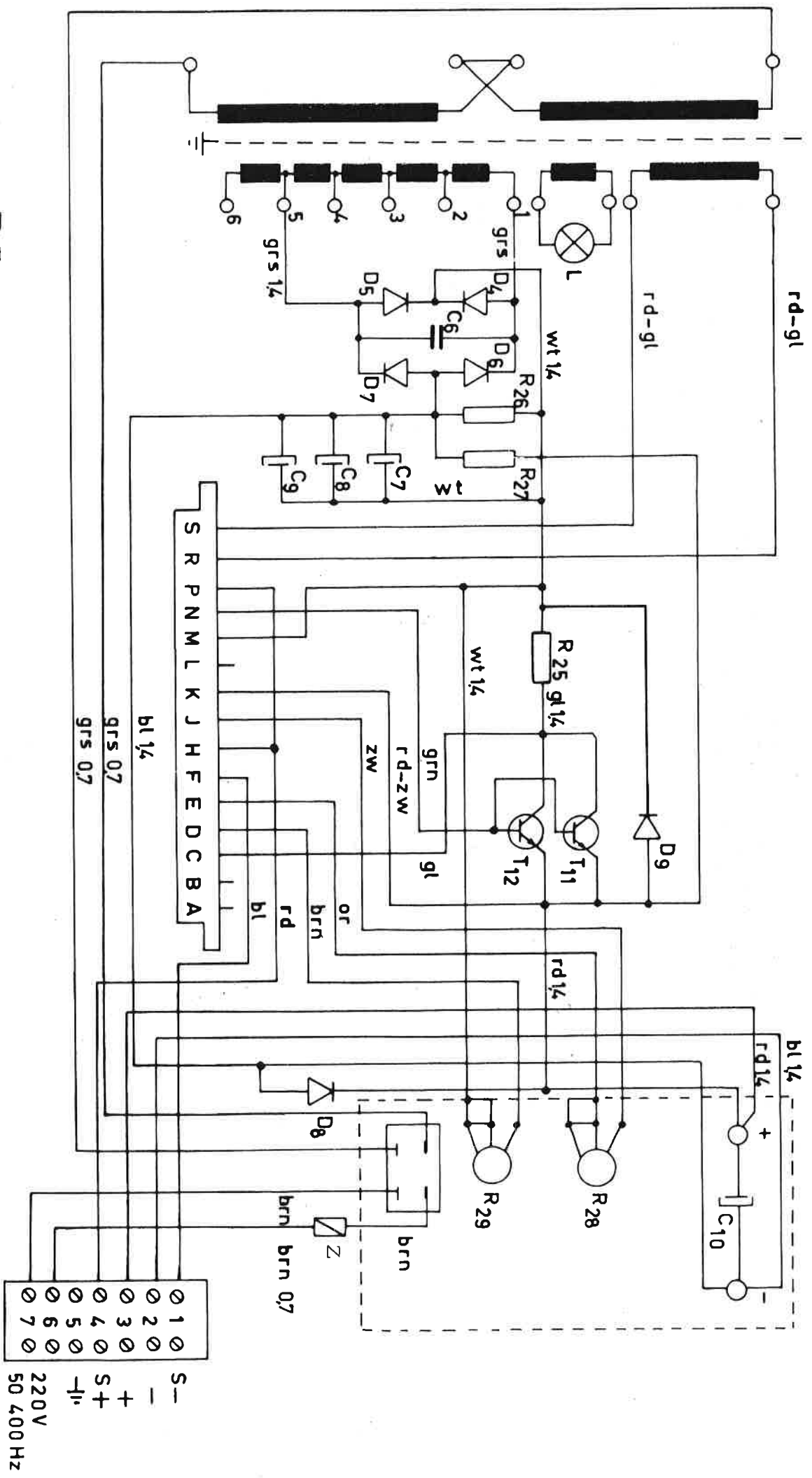
MF = metaalfilmweerstand
Metal film resistor
Metallfilm widerstand

ARW = Afregelweerstand
Calibration resistor
Abregelwiderstand

L = Liliput Telefonlampe
6 V 0,04 A
Fabr. Taunuslicht

vanaf serie nr 6611826

Z = 6A - 110 V
3A - 220 V



D5

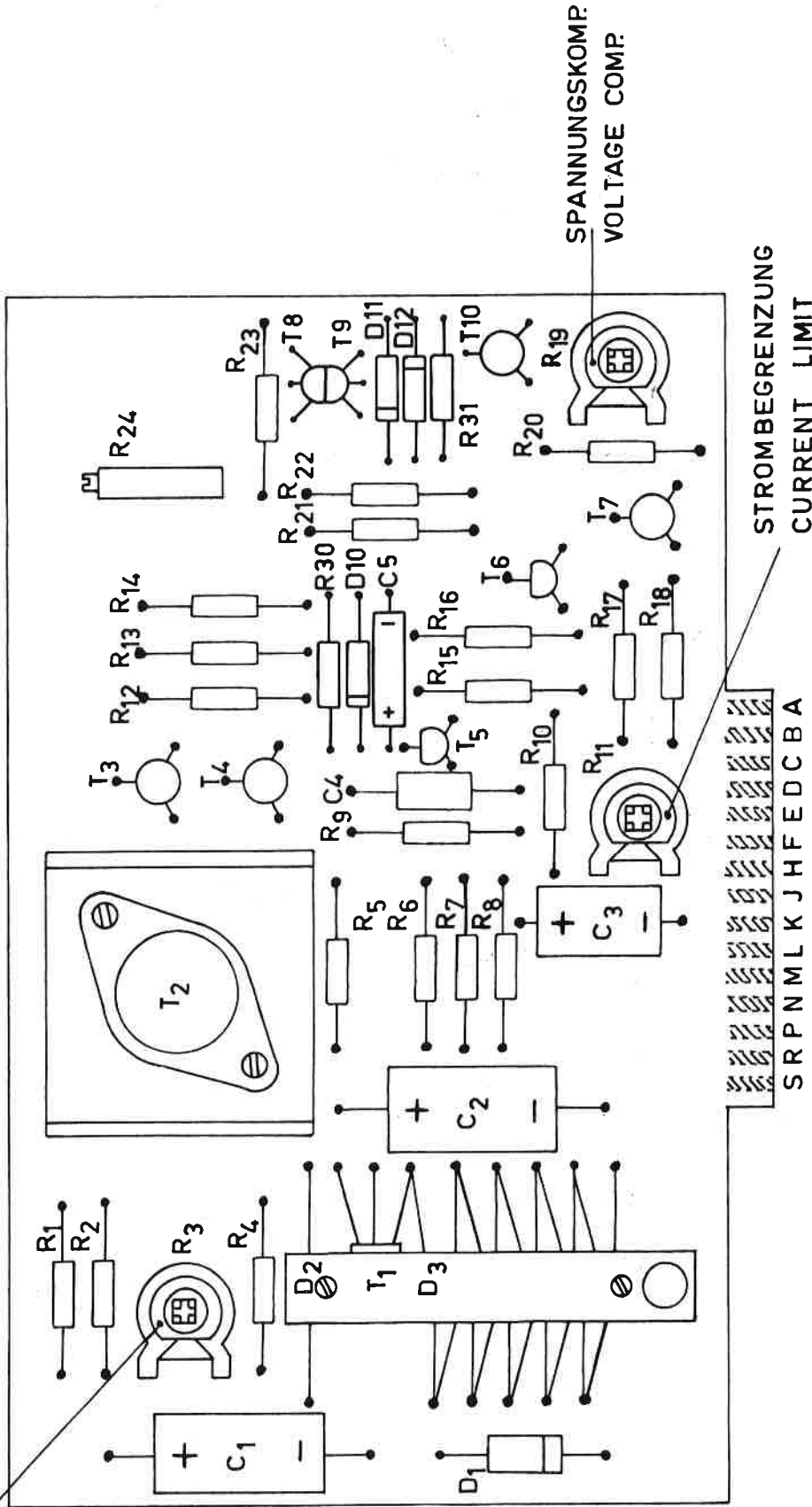
N.V. DELTA ELEKTRONIKA

zierikzee

Ø 1	Ø	S-
Ø 2	Ø	-
Ø 3	Ø	+
Ø 4	Ø	S+
Ø 5	Ø	-ll
Ø 6	Ø	220V
Ø 7	Ø	50 400 Hz

dec'67

NETZSCHWANKUNGSKOMP. COMP. LINE INPUT VARIATION



N.V. DELTA ELEKTRONIKA

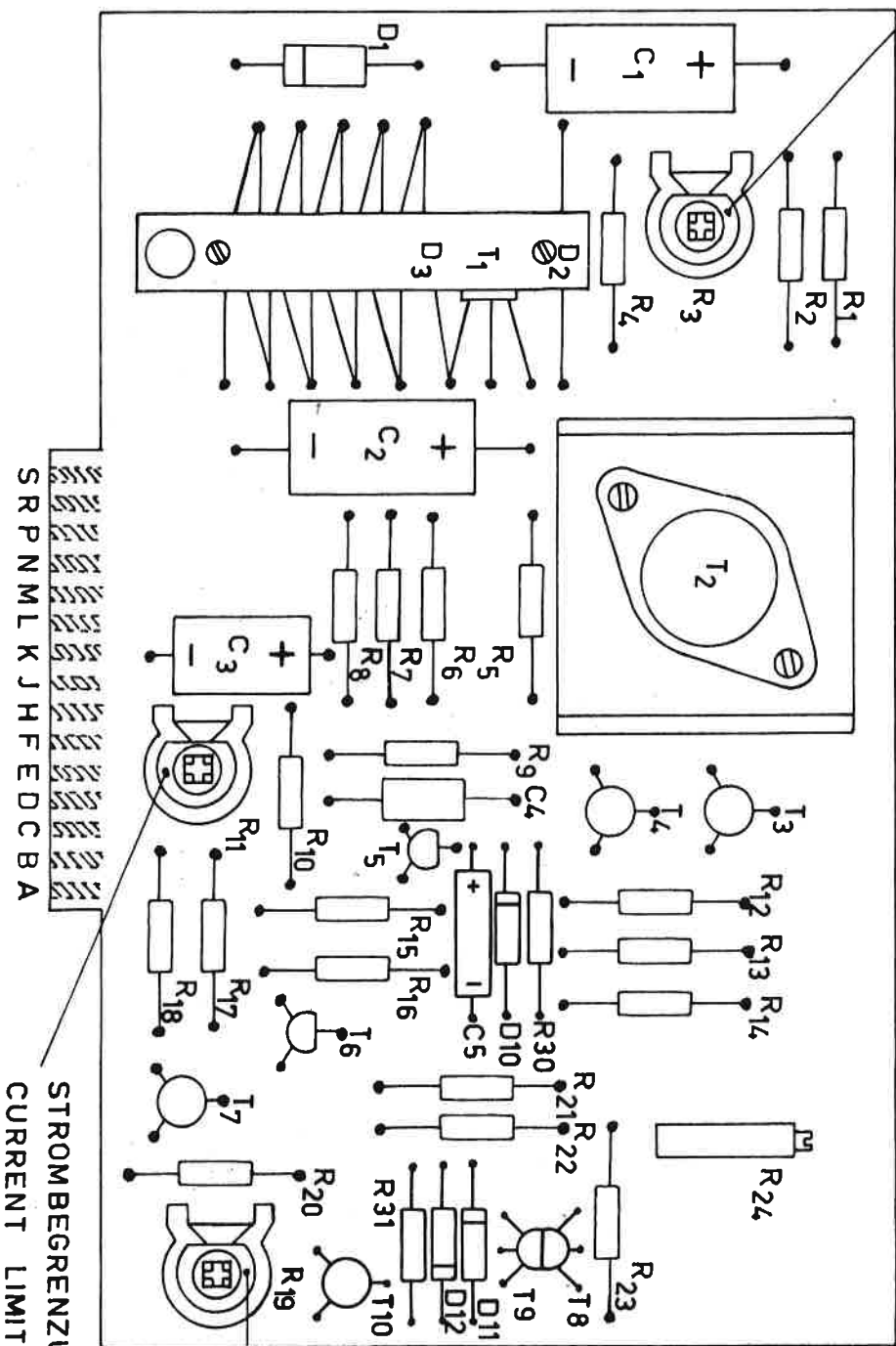
zierikzee

D5 H015

vanaf serie n^o 6611826

dec '66

NETZSCHWANKUNGSKOMP. COMP. LINE INPUT VARIATION



SPANNUNGSKOMP.
VOLTAGE COMP.

STROMBEGRENZUNG
CURRENT LIMIT

N.V. DELTA ELEKTRONIKA

zierikzee

D5 H015

vanaf serie n° 6611826

dec '66



n.v. delta elektronika

nieuwe boogerdstraat 2 zierikzee holland telefoon (01110) 2734



D 5 A

REGULATED POWER SUPPLY D 5

4 – 30 V, 5 A

Output voltage

Model D 5 is intended to be used as a power supply with a fixed output voltage between 4 V and 30 V DC.

Voltage adjustment

The output voltage can be changed by changing the secondary transformer connections and turning an internal potentiometer to the wanted voltage.

On the front panel is a screwdriver fine adjustment of 0.5 V.

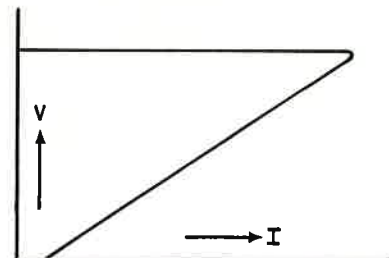
Output current

5 Ampere maximum.

Current limit

On overload the current falls to a safe value.

The output voltage returns on removal of the overload condition.



Voltage regulation

3 mV for a + or - 10 % AC input voltage variation.
6 mV for a maximum load variation.

Temp. coeff.

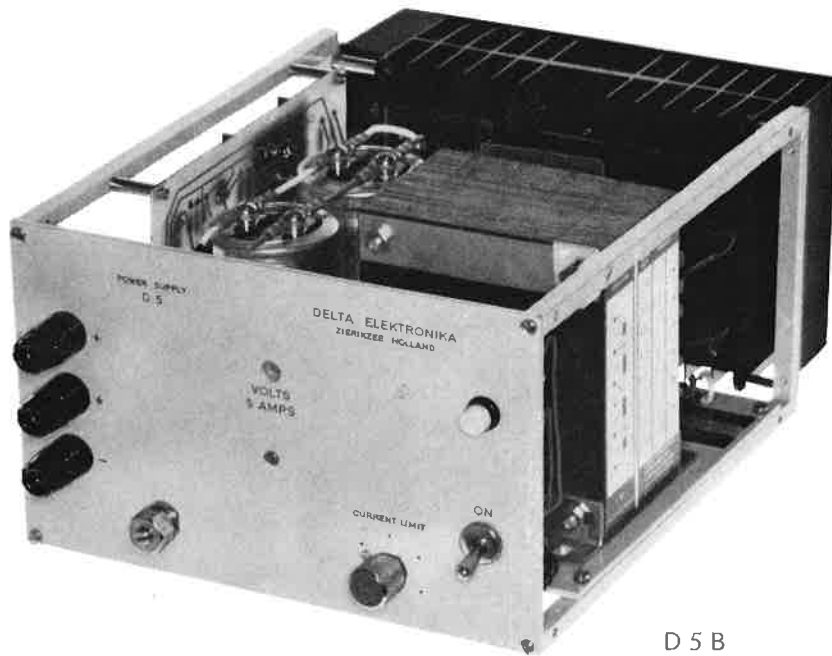
3 mV per °C maximum.

Ripple

0.1 mV r.m.s.

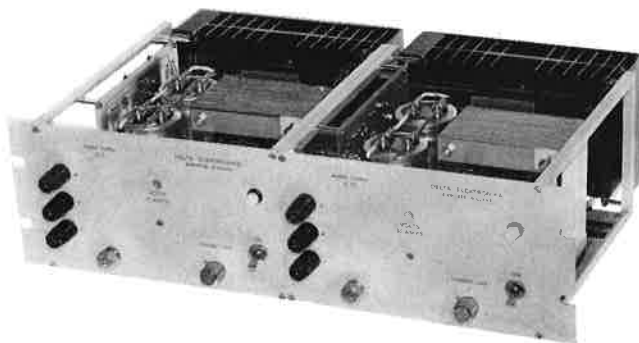
Output impedance

Less than 100 milli-ohms for load variations up to 100 kHz.

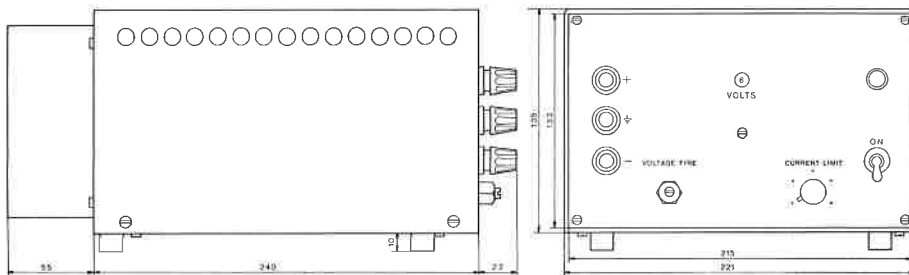


D 5 B

- Recovery time** 25 micro-seconds for recovery to within 50 mV after a step load change from 10 % to 100 %.
- Parallel and series connection** Units can be connected in series and parallel.
- Cooling** Natural convection cooling through the vertical transistor cooler.
- Ambient temperature** At full load maximum 45 °C for model A and 55 °C for model B
- Input voltage** 110-120-220-230-240 V AC, 50-60 Hz.
- Models** D 5A is a bench model, D 5B is uncased.
- Weight** D 5A 10.8 kg, D 5B 9.4 kg.



Two models B mounted side by side with the addition of two H1 brackets can be inserted in a 19 inch rack.



R (Ohm)

1 =	470	k	$\frac{1}{2}$ W	5%	
2 =	560		$\frac{1}{2}$ W	2%	MF
3 =	180	k	$\frac{1}{2}$ W	5%	
4 =	8,2	k	$\frac{1}{2}$ W	5%	
5 =	47	k	$\frac{1}{2}$ W	5%	
6 =	68	k	$\frac{1}{2}$ W	5%	
7 =	3,3	k	$\frac{1}{2}$ W	2%	MF
8 =	CR				
9 =	CR				
10 =	10		$\frac{1}{2}$ W	5%	
11 =	330		$\frac{1}{2}$ W	5%	
12 =	1,5	k	$\frac{1}{2}$ W	5%	
13 =	2,2	k	$\frac{1}{2}$ W	5%	
14 =	5	k	var.		
15 =	47		$\frac{1}{2}$ W	5%	
16 =	47		$\frac{1}{2}$ W	5%	
17 =	330		$\frac{1}{2}$ W	5%	
18 =	470		$\frac{1}{2}$ W	2%	MF
19 =	180		$\frac{1}{2}$ W	2%	MF
20 =	560		$\frac{1}{2}$ W	2%	MF
21 =	CR				
22 =	82	k	$\frac{1}{2}$ W	5%	
23 =	6,8	k	$\frac{1}{2}$ W	5%	
24 =	330		5W	5%	
25 =	330		1W	5%	
26 =	250		var.		
27 =	500		var.		
28 =	0,4		50W	3%	

D

1 =	TS 2	DI
2 =	ZP 6,8	Intermetall
3 =	ZP 6,8	Intermetall
4 =	OA 202	Philips
5 =	OA 202	Philips
6 =	MR 1031 B	Motorola
7 =	40209	RCA
8 =	VT 200	VARO

C (microfarad)

1 =	100	70 V
2 =	25	15 V
3 =	0,00015	250 V
4 =	10	100 V
5 =	2	70 V
6 =	10	100 V
7 =	0,01	250 V
8 =	0,00015	250 V
9 =	1	250 V
10 =	5900	75 V
11 =	5900	75 V
12 =	500	70 V

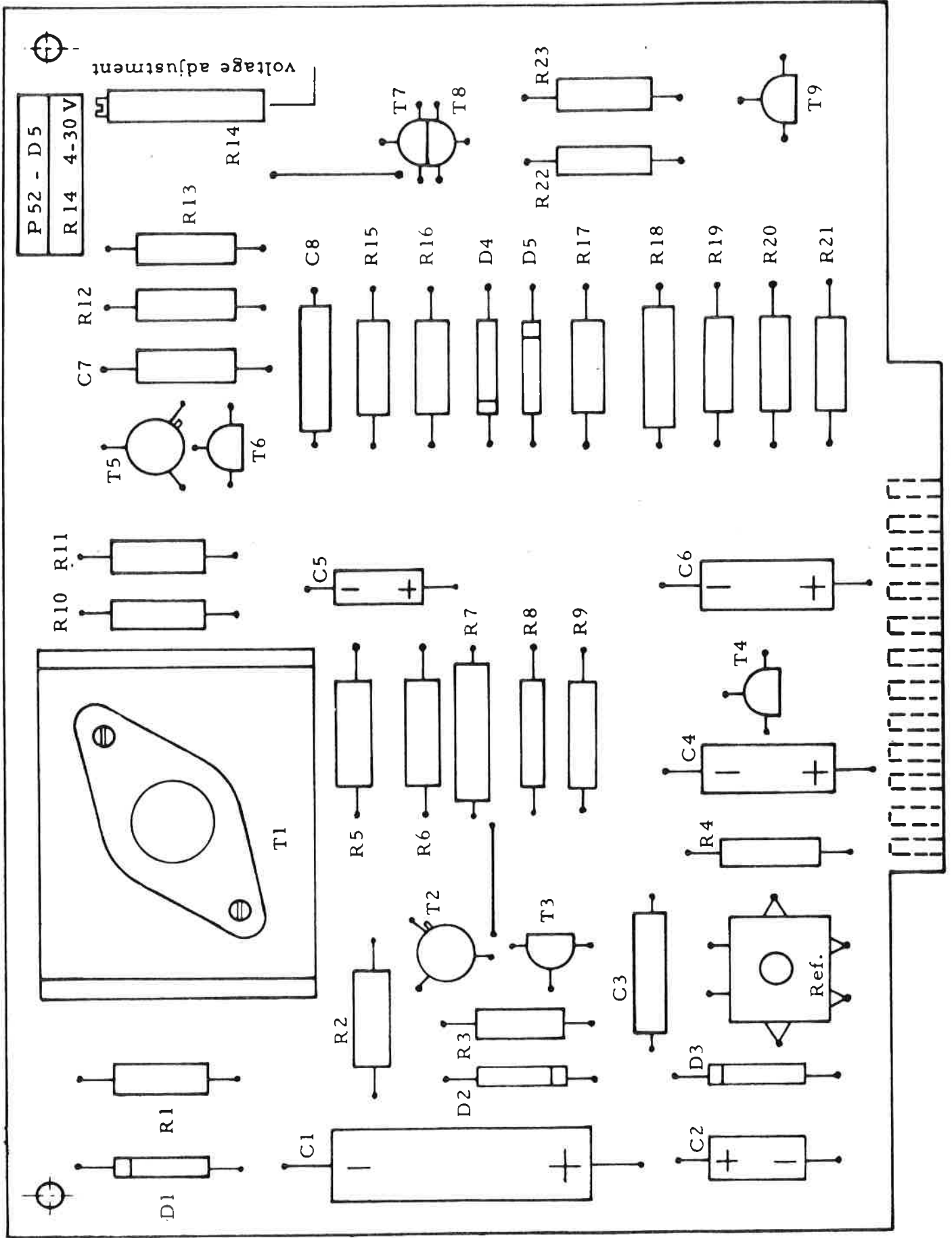
T

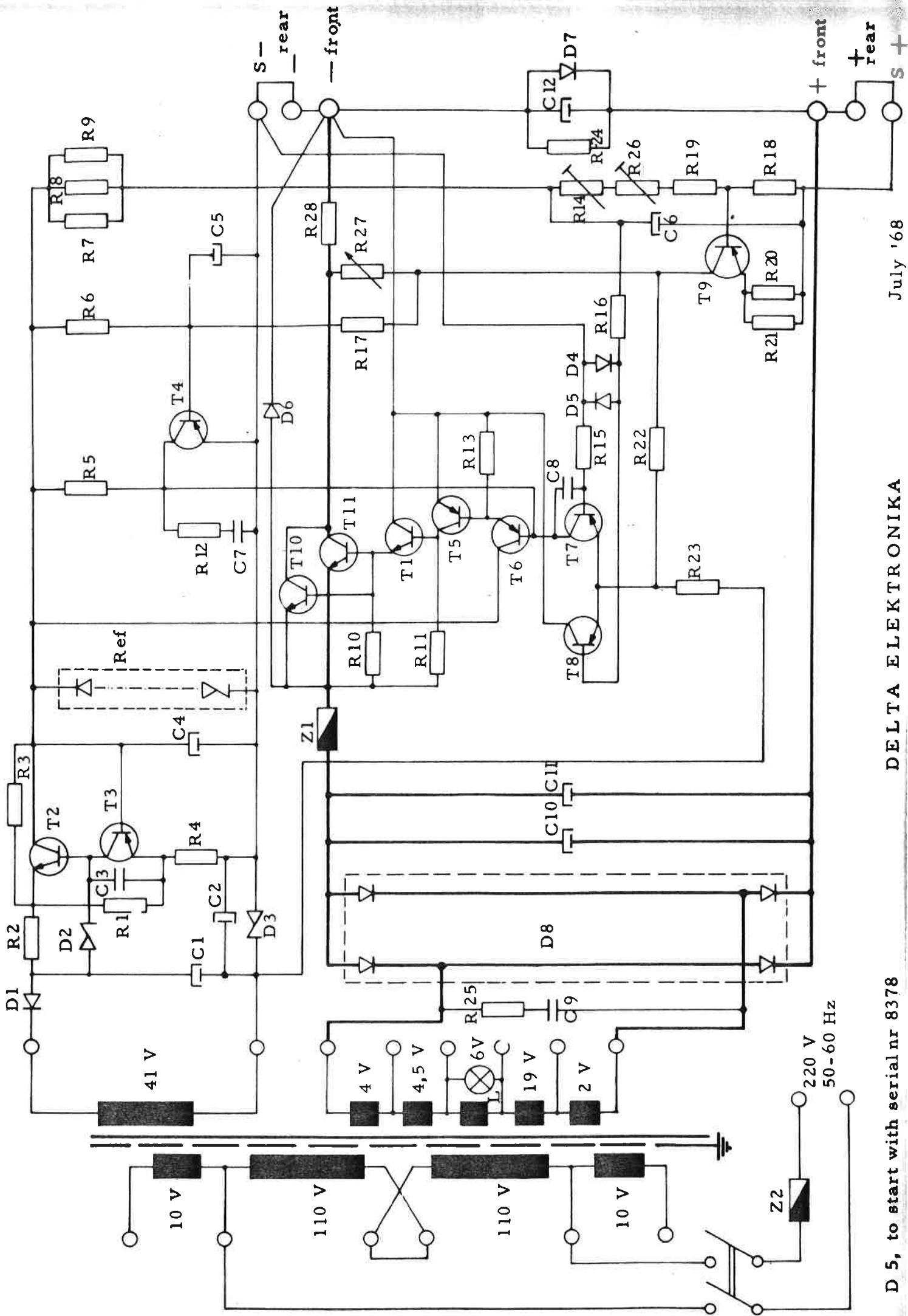
1 =	2N3055	RCA
2 =	2N3053	RCA
3 =	BC 212	TI
4 =	BC 212	TI
5 =	2N4037	RCA
6 =	BC 212	TI
7 =	BC 212	TI
8 =	BC 212	TI
9 =	BC 212	TI
10 =	2N3055	RCA
11 =	2N3055	RCA

MF = Metal film resistor

CR = Calibration resistor

L = Liliput telefonlamp
6 V 0,04 A
TaunuslichtZ 1 = Fuse 5 A - $5\frac{1}{4}$ " x $\frac{1}{4}$ "
long life, silverwireZ 2 = Fuse 3 A (220 V)
6 A (110 V)
 $5\frac{1}{4}$ " x $\frac{1}{4}$ ", delay





D 5, to start with serialnr 8378

DELTA ELEKTRONIKA

July '68

