75 S 15 – 15

DELTA ELEKTRONIKA BV

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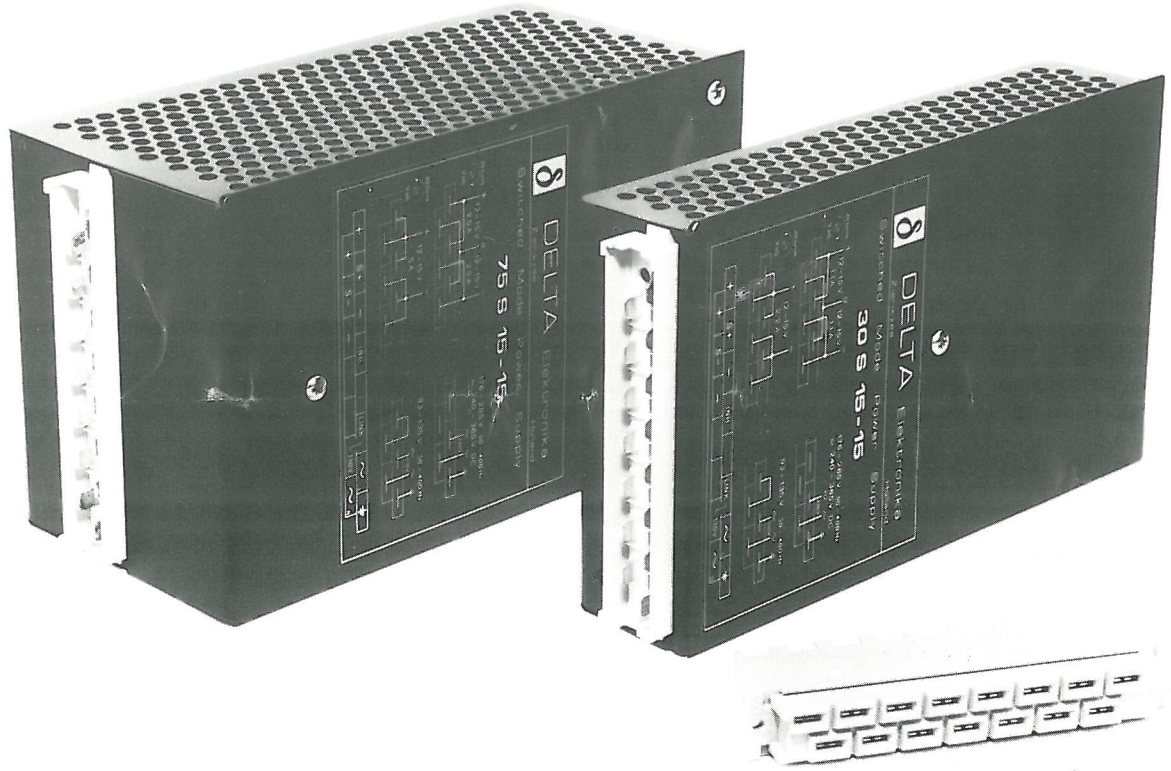


30, 60 AND 75 W SWITCHED MODE POWER SUPPLIES

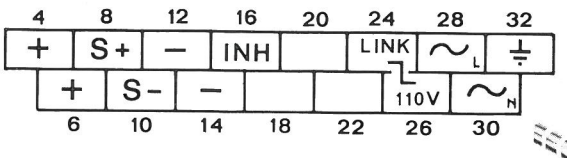
30 S 5	5 - 6 V	6 A	30 S 15-15	2 x 12-15 V	1.1 A
60 S 5	5 - 6 V	12 A	75 S 15-15	2 x 12-15 V	2.5 A

The independent sense circuit permits to connect the 2 outputs of the 30S15-15 and 75S15-15 **parallel, series** or **isolated** for use as:

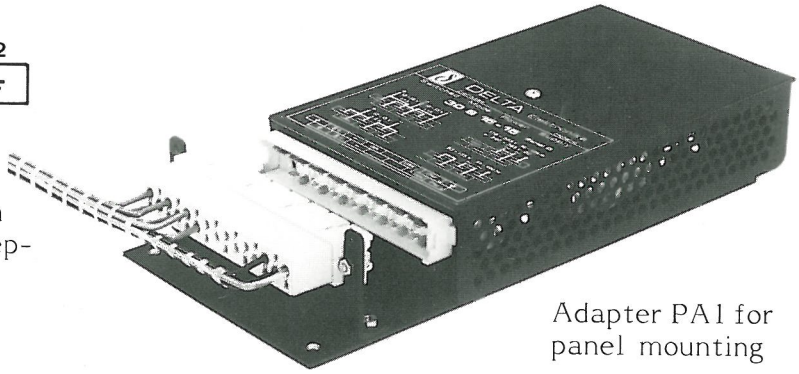
		30S15-15	75S15-15
Single output	12 to 15 V	2.2 A	5 A
Single output	24 to 30 V	1.1 A	2.5 A
Dual output	+ and - 12 to 15 V	1.1 A	2.5 A
Two outputs	each 12 to 15 V	1.1 A	2.5 A

The 2 outputs may be loaded asymmetrically up to 1.3 A (30S15-15) resp. 3 A (75S15-15). Overloading or shorting causes no damage.

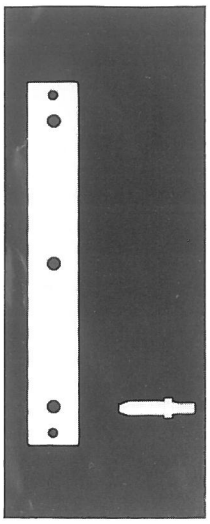
The very large input voltage range allows **worldwide** use on 110-115-125-220-230-240 V 50-400 Hz line voltages and even on 240 to 365 VDC.



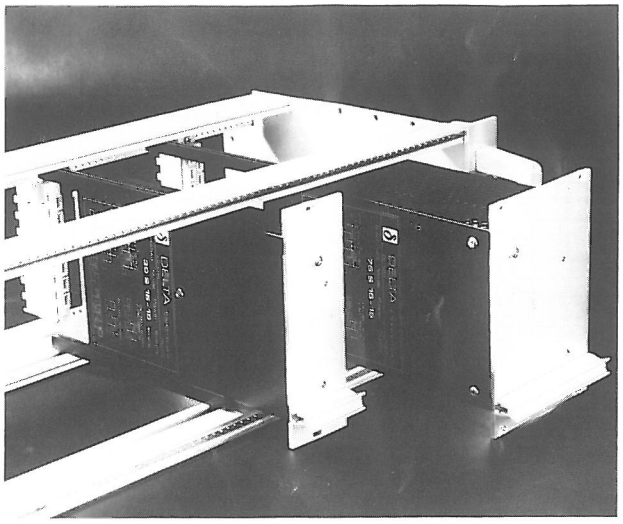
Connections can be made directly on to the power supply with faston receptacles 4.8 x 0.8 mm or on to the H15 mating connector which is available in 3 versions.



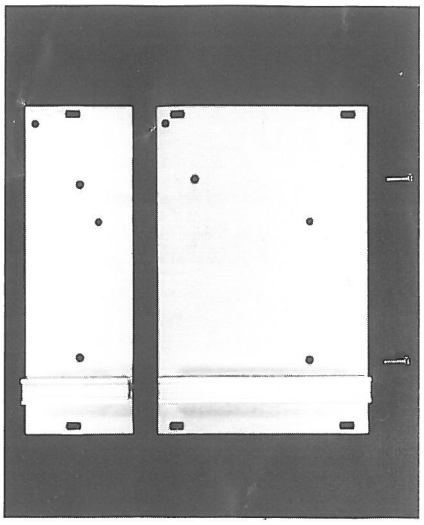
Adapter PA1 for panel mounting



Coding strip and pin. To be ordered separately.

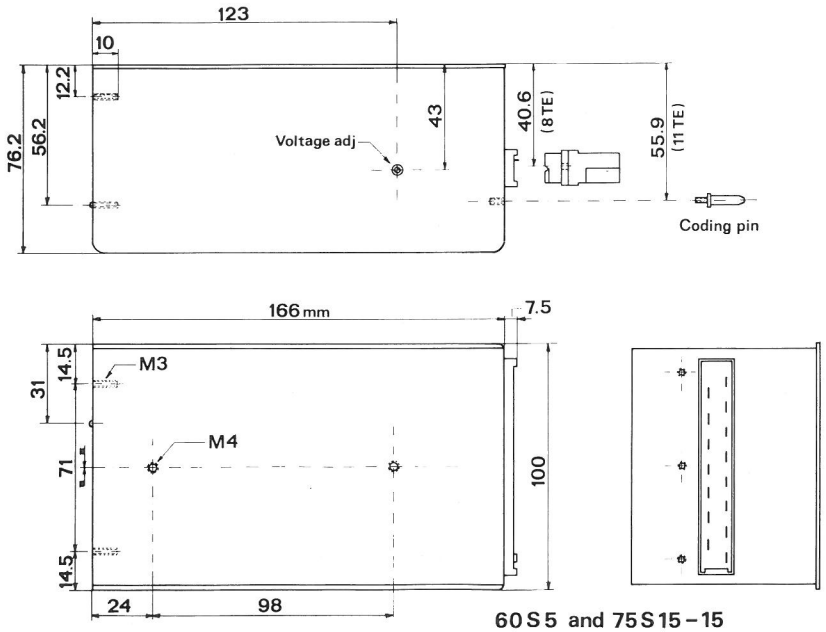


Dimensions are according to DIN 41494 to fit into a Eurocard Rack. A mating connector H15 with faston tabs is supplied with each power supply.

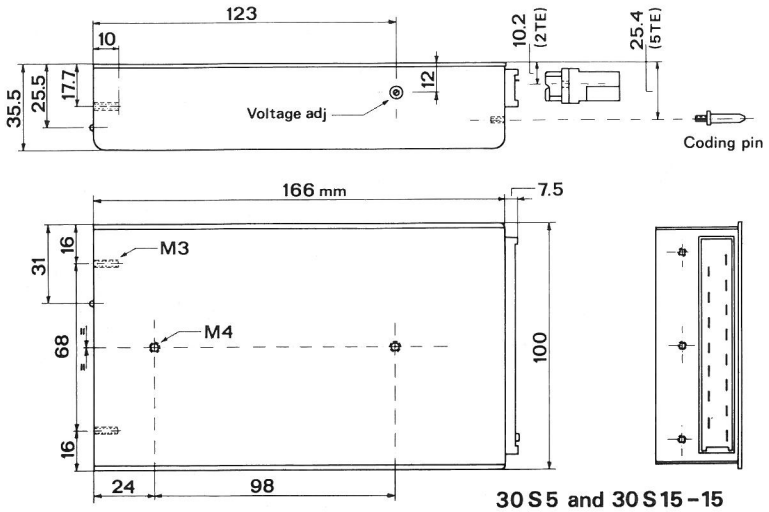


Front panels 8 TE and 16 TE. To be ordered separately.

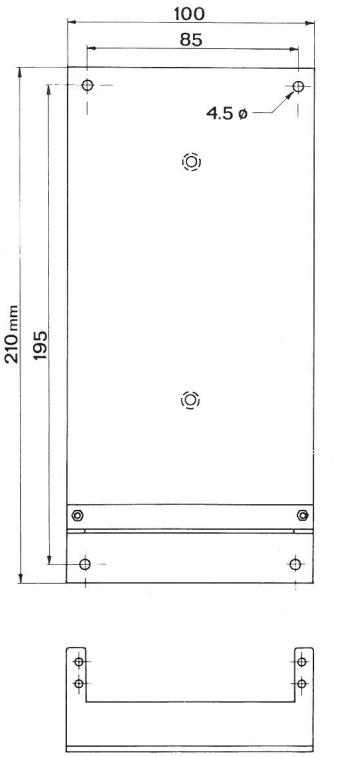
The coding system can be used to prevent incorrect insertion of dissimilar units into the rack. Two of the three holes have to be covered by screws.



60S5 and 75S15-15



30S5 and 30S15-15



Adapter PA1 for panel mounting of 30, 60 and 75S models

D

1 =	VJ 1048	VARO
2 =	BYV 26D	Philips
3 =	BYV 26D	Philips
4 =	BYV 26D	Philips
5 =	ZPY 6,2	ITT
6 =	BYW 29/150	Philips
7 =	BYW 29/150	Philips
8 =	ZPY 18	ITT
9 =	BT 151/500R	Philips
10 =	TIL 209	TI
11 =	ZPD 5,6	ITT
12 =	ZPD 6,8	ITT
13 =	1 N 4148	TI
14 =	1 N 4148	TI
15 =	1 N 4148	TI
16 =	ZPD 6,2	ITT
17 =	BYV 26D	Philips
18 =	BYV 26D	Philips
19 =	BYV 26D	Philips
20 =	-	
21 =	-	
22 =	TL 431 ILP	TI
23 =	TL 431 ILP	TI
24 =	BYW 29/150	Philips
25 =	BYW 29/150	Philips
26 =	BYV 26D	Philips
27 =	ZPU 150	ITT
28 =	1 N 4148	TI
29 =	1 N 5818	Motorola

L

1 =	L 165	Delta
2 =	L 166	Delta
3 =	L 168	Delta
4 =	L 170	Delta
5 =	2,2 µH	Secre

IC

1 =	HEF 4049	Philips
2 =	CNY 21	AEG
	TLP 580	ITT

F

1 =	2 A slow	
2 =	800 mA quick	

Ts =	Thermo switch UP 62 80 °C 5%	Uchiya
T 1 =	T 164	Delta

(P258d) IC 2	2-'86	Vr	Title: Part list	
D2,3,4,17,18,19,26	7-'86	Vr	75 S 15 - 15	
			Date: 3 - '81	
Modifications	Date	App.	delta elektronika bv	

R = Ohm

1 =	16		25 °C
	(Keystone RL 450-10-73-S48)		
2 =	150	k	MR30
3 =	-		
4 =	150	k	MR30
5 =	-		
6 =	8,2		
7 =	47		
8 =	1	k	
9 =	1	k	
10 =	1	k	
11 =	10	k	
12 =	10	k	
13 =	10	k	
14 =	10	k	
15 =	12	k	
16 =	33	k	
17 =	15	k	
18 =	470		
19 =	4,7	k	
20 =	470		
21 =	33	k	
22 =	1	k	
23 =	18		
24 =	18		0,7W
25 =	10		
26 =	560		
27 =	100		potm.
28 =	220		
29 =	330		N.T.C.
30 =	1,5		0,7W
31 =	1,5		0,7W
32 =	1	k	7W WW
33 =	120		
34 =	—		
35 =	330		
36 =	1	k	PR37
37 =	10	k	potm.
38 =	3,3	k	
39 =	12	k	
40 =	1,2	k	
41 =	220		
42 =	47		
43 =	100		
44 =	4,7	k	
45 =	CR		
46 =	47		
47 =	100	k	
48 =	150	k	MR30
49 =	220		
50 =	47		
51 =	47		

CR = Calibration resistor
all other resistors 0,33W 2% metal film
WW = Wire Wound

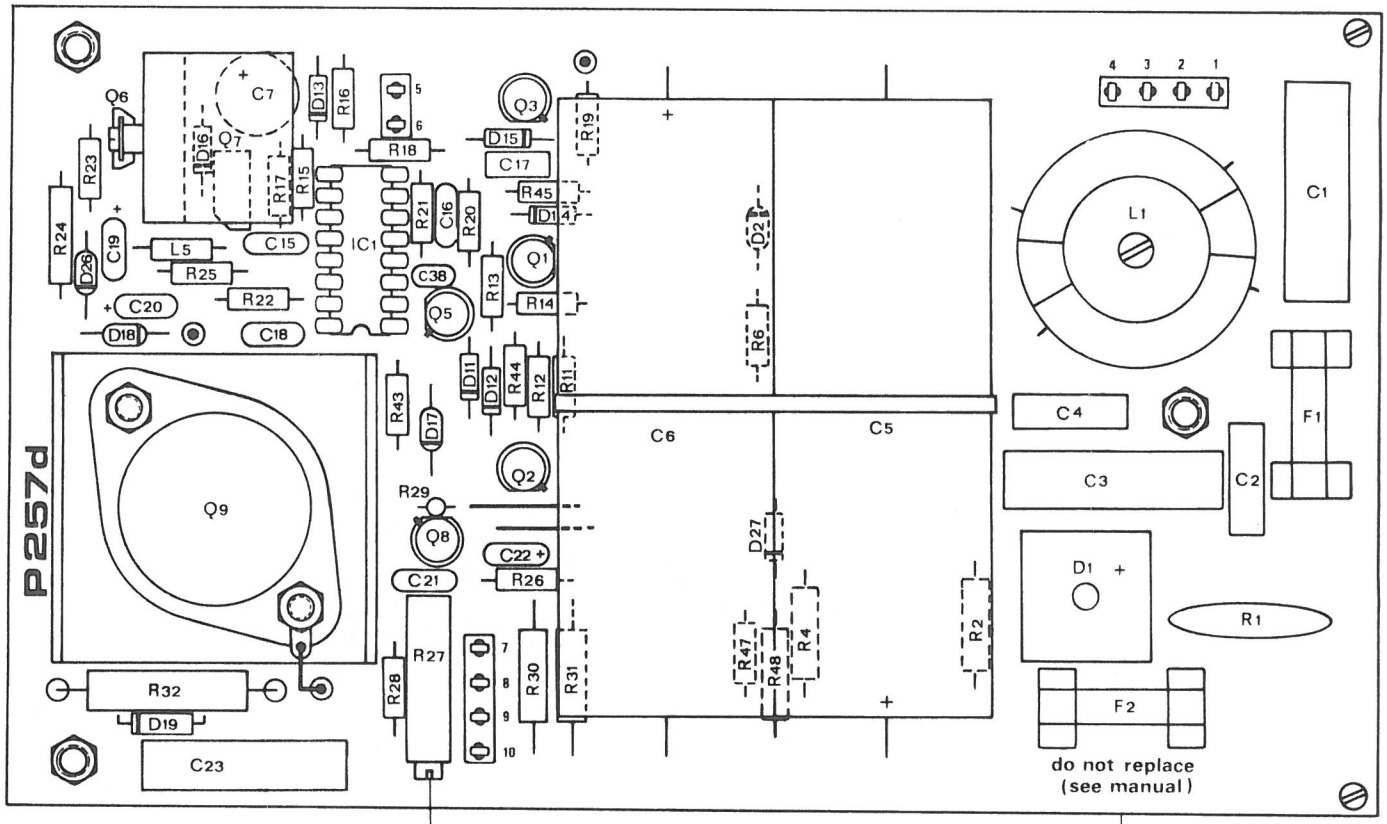
C

1 =	0,22	µF	X 250 V
2 =	2200	pF	Y 250 V
3 =	0,15	µF	X 250 V
4 =	2200	pF	Y 250 V
5 =	330	µF	200 V
6 =	330	µF	200 V
7 =	100	µF	25 V
8 =	0,01	µF	500 V
9 =	2500	pF	250 V
10 =	680	µF	25 V
11 =	0,15	µF	X 250 V
12 =	0,15	µF	X 250 V
13 =	680	µF	25 V
14 =	0,22	µF	100 V
15 =	1000	pF	630 V
16 =	2200	pF	63 V
17 =	0,047	µF	250 V
18 =	2200	pF	63 V
19 =	2,2	µF	16 V
20 =	1	µF	40 V
21 =	1000	pF	630 V
22 =	1	µF	40 V
23 =	680	pF	1600 V
24 =	-		
25 =	0,1	µF	50 V
26 =	2200	pF	63 V
27 =	1	µF	40 V
28 =	-		
29 =	0,22	µF	100 V
30 =	0,22	µF	100 V
31 =	2500	pF	250 V
32 =	0,22	µF	100 V
33 =	680	µF	25 V
34 =	680	µF	25 V
35 =	0,22	µF	100 V
36 =	-		
37 =	0,22	µF	100 V
38 =	15	pF	500 V
39 =	0,22	µF	100 V
40 =	2,2	µF	25 V

Q = Transistor

1 =	2 N 2222	Sescosem
2 =	2 N 2907	Sescosem
3 =	2 N 2907	Sescosem
4 =	-	
5 =	2 N 2907	Sescosem
6 =	MPSU 05	Motorola
7 =	VN 66 AF	Siliconix
8 =	2 N 2222	Sescosem
9 =	BUX 48	Sescosem
10 =	2 N 2907	Sescosem

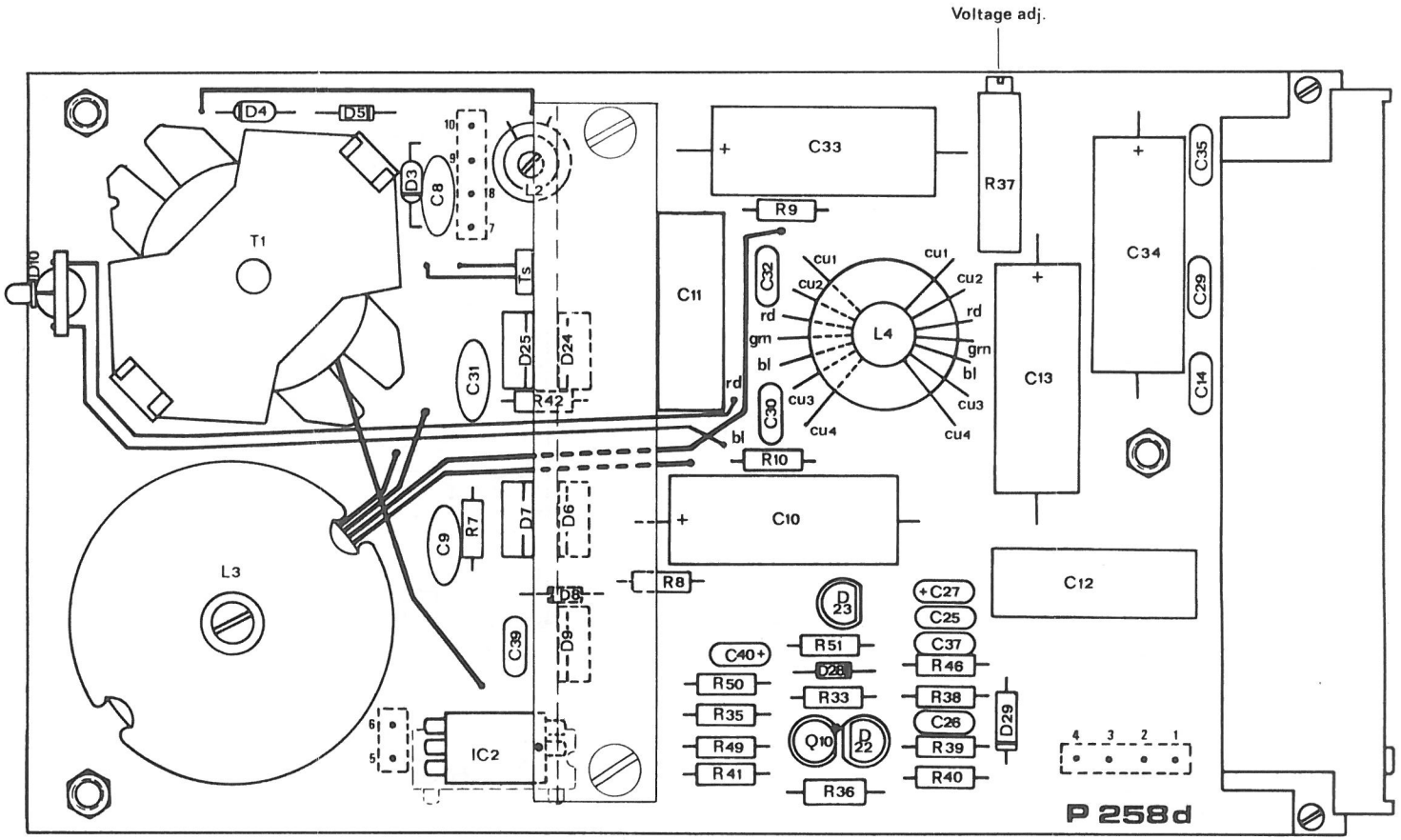
			Title: Part list
C24, 28, 36, 40	5-'84	V1	75 S 15-15
R49, 50, 51	5-'84	V1	Date: 3-'81
Modifications	Date	App.	delta elektronika bv



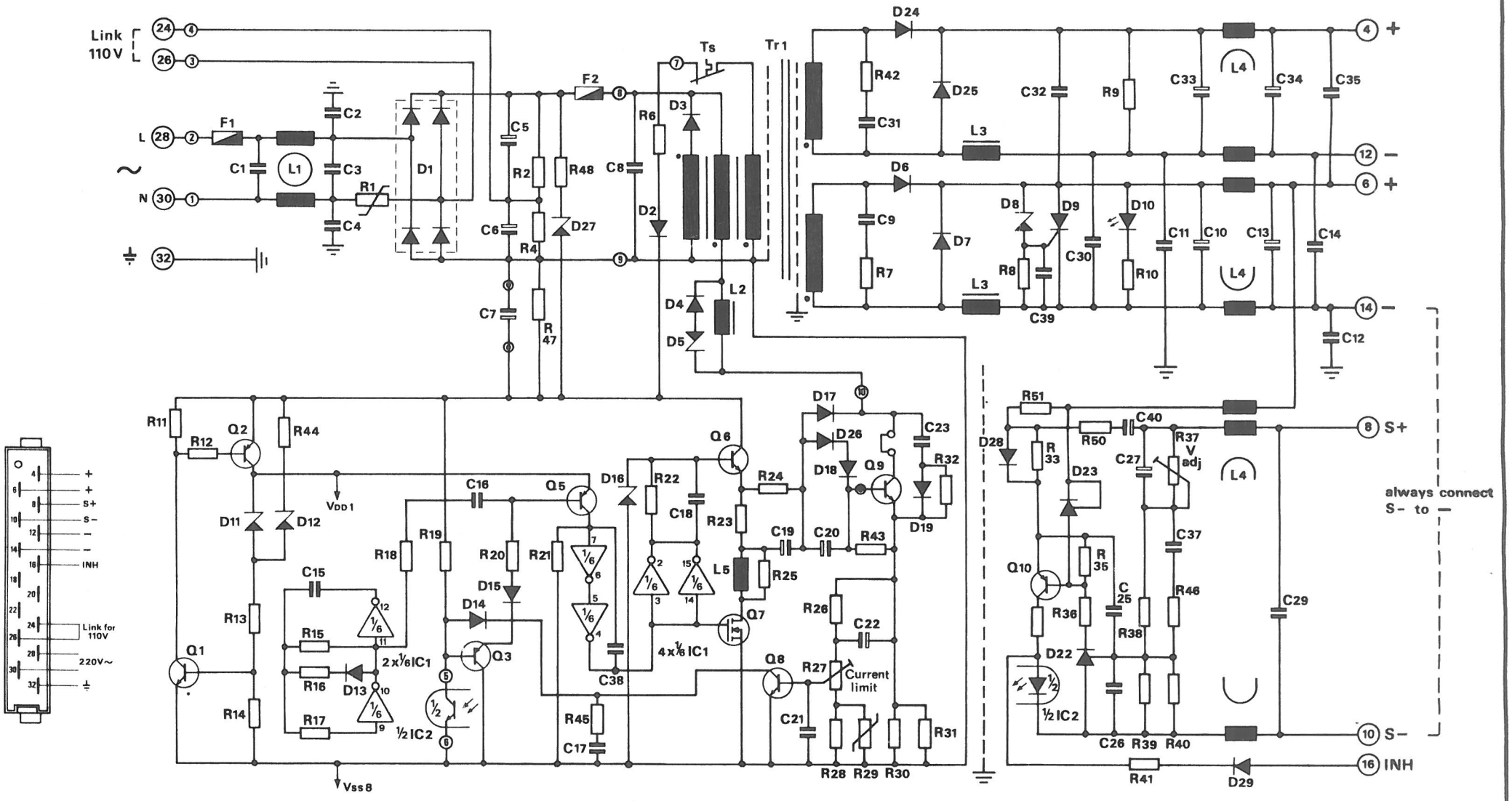
Current limit adj.
factory adjusted
and sealed
Warranty lapses
if seal is broken

Do not replace F2
F2 blows when Q9 gets defective
In that case replacement of F2 can
also damage other components

			Title: PC board 75 S 15 – 15
P257d	2.'86	Vr.	Date: 3 – '81
Modifications	Date	App	delta elektronika bv



			Title: PC board 75 S 15 – 15
P258d (IC2)	2-'86	Vr	Date: 3 -'81
Modifications	Date	App	delta elektronika bv



Logic inhibit function: Logic 1 between INH (pin 16) and S- (pin 10) inhibits output

Logic 0 between INH (pin 16) and S- (pin 10) enables output

			Title: Circuit diagram 75 S 15 -15
C24, 28, 36, 40	5-'84	Dr	Date: 3-'81
R49, 50, 51, D28, 29	5-'84	Dr	
Modifications	Date	App	delta elektronika bv