

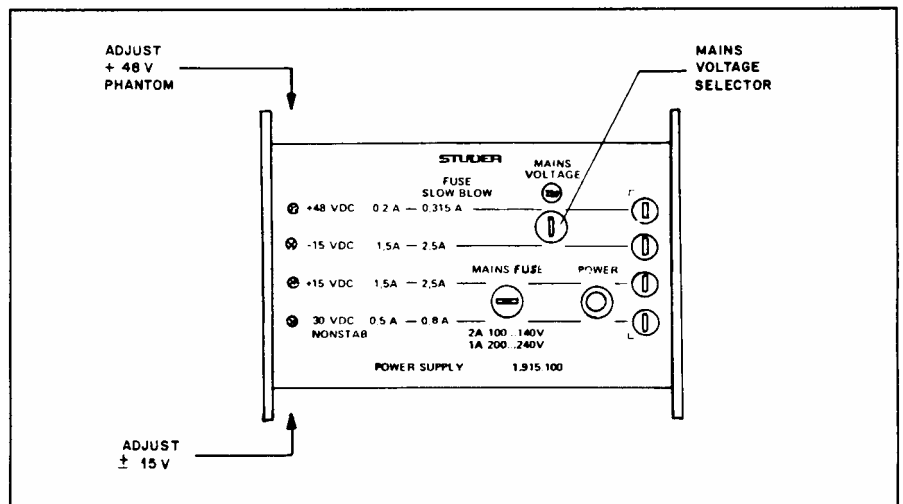
Power Supply

1.915.100

This power supply provides a regulated output of $\pm 15\text{ V}_{\text{DC}}$ at a maximum load of 1.5 A for audio circuits, plus a regulated 48 V_{DC} output for the phantom powering of microphones. In addition, 30 V of unregulated DC are available as well.

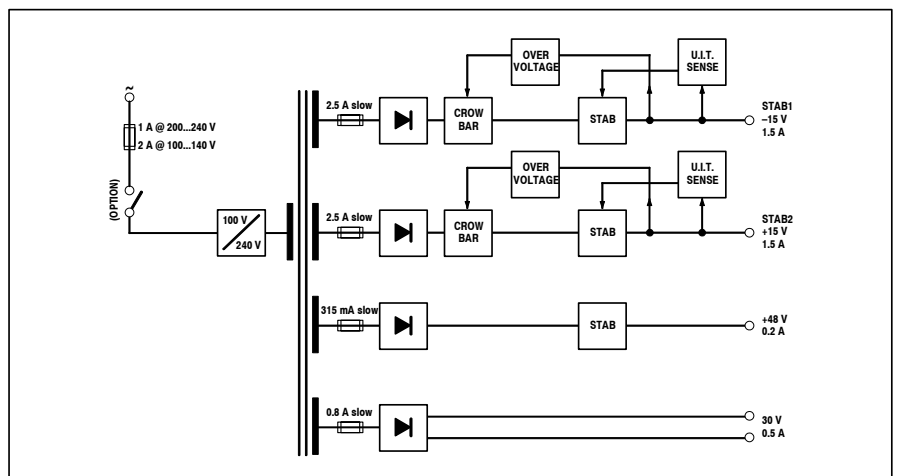
If a regulated 24 V_{DC} supply is required, the stabilizer card 1.915.105.xx can be connected to the 30 V_{DC} output.

Each of the output voltages is derived from a separate secondary winding of the mains transformer and can be fine-adjusted.



The $\pm 15\text{ V}_{\text{DC}}$ supply is fully short-circuit proof and is protected against overvoltage and excess temperature. Short-circuit-protection is also effective in the 48 V_{DC} section.

The power supply has no on/off switch in the primary circuit. Such a switch, if needed, will have to be fitted separately.



Mains transformer and regulator electronics are housed in one rectangular unit fitting into the 19" Euro-card frame (1.918.318/319), occupying the space of 28M widths. For this purpose, a mounting kit 1.918.316 is recommended.

Technical Specifications

Primary:

Voltage selector	100/120/140/200/220/240 V_{AC} ±10%
Fuse	T 2 A (slow), 100...140 V
	T 1 A (slow), 200...240 V
Power consumption	< 120 W (190 VA)

Secondary:

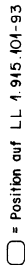
Audio supply:	±15 V/1.5 A max., regulated voltage
Ripple	100 µV
Fuses	2 × T 2.5 A (slow)
Phantom supply:	48 V/200 mA max., regulated voltage, according to DIN 45596
Ripple	100 µV
Fuse	T 315 mA (slow)
Unregulated DC:	30 V/0.5 A max.
Fuse	T 0.8 A (slow)

Dimensions:

W × H × D	140 × 100 × 160 mm, Euro-card/28M units
Weight	2.75 kg

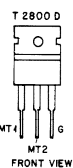
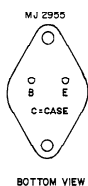
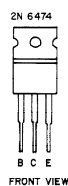
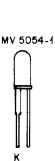
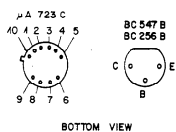
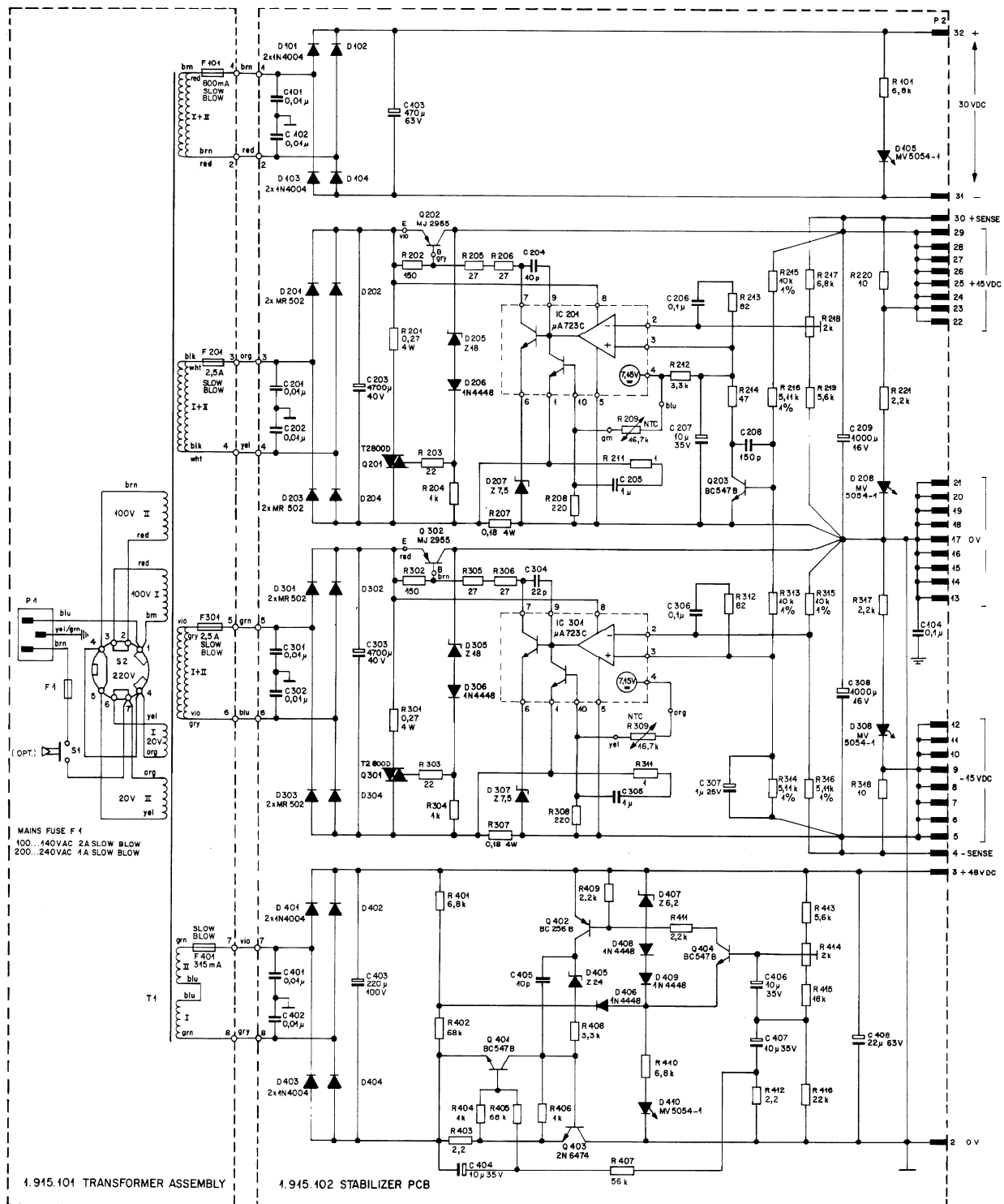
Ordering Information:

Power supply	1.915.100.xx
Mounting kit for installation in ELMA frame (1.918.318)	1.918.316.xx



Netzverdrahtung nach BV 600 ②

Norm-Nr.: _____ DIN-Bes.: _____ Abmessung: _____ Werkstoff: _____	Güte: _____ Beh.: _____		Oberfläche: _____ Maßstab: _____ 1 : 1	Fremdsprachen: _____ Zugversuch Unterlagen: _____ PL BV 600	Ersatz für: _____	Einseitig durch: _____	Nummer: 1.945.100-00 Benennung: Netzteile kompl. ± 45 V / 48 V / 30 V
	Änderung: _____ Ausgabe: _____						
	4.2.87	A Ho	W	1			
	6.9.84	R Be	W	2			
	10.12.84	Ho	W	3			
	25.11.80	Ho	W	4			
	24.3.80	Ho	W	5			
	Datum	Gaz	Opgr	Gaz	Index		



Ausgabe	1. 42. 78	Si	Th		⑥
	Datum	Gez.	Gepr.	Ges.	Index

POWER SUPPLY

Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER	Ad	POS.	REF.No.	DESCRIPTION	MANUFACTURER
C..101		59.31.2103	0,01μ 250V	PE	R..201		57.56.5278	0,27	4W
C..102		59.31.2103	0,01μ 250V	PE	R..202		57.11.4151	150	
C..103		59.25.6471	470μ 63V	EL	R..203		57.11.4220	22	
② C..104		59.99.0453	0,1μ 250V	MP	R..204		57.11.4102	1k	
C..201		59.31.2103	0,01μ 250V	PE	R..205		57.11.4270	27	
C..202		59.31.2103	0,01μ 250V	PE	R..206		57.11.4270	27	
C..203		59.35.4472	4700μ 40V	EL	R..207		57.56.5188	0,18	2W
C..204		59.34.1100	10p	CER	R..208		57.11.4221	220	
C..205		59.34.6105	1μ 100V	PE	R..209		57.99.0208	16,7k	NTC R@ 100°C
C..206		59.31.6104	0,1μ	PE	R..210				PH
C..207		59.36.5100	10μ 35V	TA	R..211		57.11.4109	1	
C..208		59.34.4151	150p	CER	R..212		57.11.4332	3,3k	
C..209		59.25.3102	1000μ 16V	EL	R..213		57.11.4820	82	
C..301		59.31.2103	0,01μ 250V	PE	R..214		57.11.4470	47	
C..302		59.31.2103	0,01μ 250V	PE	R..215		57.39.1002	10k	1% MF
C..303		59.35.4472	4700μ 40V	EL	R..216		57.39.5111	5,11k	1% MF
C..304		59.34.2220	22p	CER	R..217		57.11.4682	6,8k	
C..305		59.31.6105	1μ 100V	PE	R..218		58.01.7202	2k	TRIM PMG
C..306		59.31.6104	0,1μ	PE	R..219		57.11.4562	5,6k	
C..307		59.36.4109	1μ 25V	TA	R..220		57.11.4100	10	
C..308		59.25.3102	1000μ 16V	EL	R..221		57.11.4222	2,2k	
C..401		59.31.2103	0,01μ 250V	PE	R..301		57.56.5278	0,27	4W
C..402		59.31.2103	0,01μ 250V	PE	R..302		57.11.4151	150	
C..403		59.22.9221	220μ 100V	EL	R..303		57.11.4220	22	
C..404		59.36.5100	10μ 35V	TA	R..304		57.11.4102	1k	
C..405		59.34.1100	10p	CER	R..305		57.11.4270	27	
C..406		59.36.5100	10μ 35V	TA	R..306		57.11.4270	27	
C..407		59.36.5100	10μ 35V	TA	R..307		57.56.5188	0,18	2W
C..408		59.22.8220	22μ 63V	EL	R..308		57.11.4221	220	
D..101		50.04.0105	1N4004 1A 200V	ANY	R..309		57.99.0208	16,7k	NTC R@ 100°C
D..102		50.04.0105	1N4004 1A 200V	ANY	R..310				PH
D..103		50.04.0105	1N4004 1A 200V	ANY	R..311		57.11.4109	1	
D..104		50.04.0105	1N4004 1A 200V	ANY	R..312		57.11.4820	82	
D..105		50.04.2109	MV5054-1 LED	ANY	R..313		57.39.1002	10k	1% MF
D..201		50.04.0507	MR502 3A 200V	MOT	R..314		57.39.5111	5,11k	1% MF
D..202		50.04.0507	MR502 3A 200V	MOT	R..315		57.39.1002	10k	1% MF
D..203		50.04.0507	MR502 3A 200V	MOT	R..316		57.39.5111	5,11k	1% MF
D..204		50.04.0507	MR502 3A 200V	MOT	R..317		57.11.4222	2,2k	
D..205		50.04.1122	ZPD18 Z-DIODE 18V 400mW		R..318		57.11.4100	10	
D..206		50.04.0125	1N4448		R..401		57.11.4682	6,8k	
D..207		50.04.1503	ZPY7,5 Z-DIODE 7,5V 1,3W		R..402		57.11.4683	68k	
D..208		50.04.2109	MV5054-1 LED		R..403		57.11.4229	2,2	
D..301		50.04.0507	MR502 3A 200V	MOT	R..404		57.11.4102	1k	
D..302		50.04.0507	MR502 3A 200V	MOT	R..405		57.11.4683	68k	
D..303		50.04.0507	MR502 3A 200V	MOT	R..406		57.11.4102	1k	
D..304		50.04.0507	MR502 3A 200V	MOT	R..407		57.11.4563	56k	
D..305		50.04.1122	ZPD18 Z-DIODE 18V 400mW		R..408		57.11.4332	3,3k	
D..306		50.04.0125	1N4448		R..409		57.11.4222	2,2k	
D..307		50.04.1503	ZPY7,5 Z-DIODE 7,5V 1,3W		R..410		57.11.4682	6,8k	
D..308		50.04.2109	MV5054-1 LED		R..411		57.11.4222	2,2k	
D..401		50.04.0105	1N4004 1A 200V		R..412		57.11.4229	2,2	
D..402		50.04.0105	1N4004 1A 200V		R..413		57.11.4562	5,6k	
D..403		50.04.0105	1N4004 1A 200V		R..414		58.01.7202	2k	TRIM PMG
D..404		50.04.0105	1N4004 1A 200V		R..415		57.11.4183	18k	
D..405		50.04.1121	ZPD24 Z-DIODE 24V 400mW		R..416		57.11.4223	22k	
D..406		50.04.0125	1N4448		S....2		53.03.0128		VOLTAGE SELECTOR
D..407		50.04.1118	ZPD6,2 Z-DIODE 6,2V 400mW				1.169.113.04		INSULATION-VOLT. SEL.
D..408		50.04.0125	1N4448		T....1		1.915.103.00		MAINS-TRANSFORMER
D..409		50.04.0125	1N4448				53.03.0106		FUSE HOLDER MAINS
D..410		50.04.2109	MV5054 LED				53.03.0118		FUSE HOLDER PCB
F....1		51.01.0120	2A SLOW BLOW @ 100...140 VAC				1.010.088.49		PCB SCREEN
F....101		51.01.0117	1A SLOW BLOW @ 200...240 VAC				1.915.100.05		INSULATION
F....201		51.01.0116	800mA SLOW BLOW				1.915.100.06		PERMALLOY
F....301		51.01.0121	2,5A SLOW BLOW				1.010.001.50		HEATSINK STAR
F....401		51.01.0112	315mA SLOW BLOW				1.915.101.00		TRANSFORMER ASSEMBLY
IC..201		50.05.0119	μA723C				1.915.102.00		STABILIZER PCB
IC..301		50.05.0119	μA723C						
P....1		54.04.0104	3p MAINS-PLUG						
P....2		54.01.0359	32p EDGE CONNECTOR						
Q....201		50.99.0106	T2800D TRIAC	RCA					
Q....202		50.03.0481	MJ2955	MOT					
Q....203		50.03.0436	BC237B NPN GEN. PURP. BC547B						
Q....301		50.99.0106	T2800D TRIAC	RCA					
Q....302		50.03.0481	MJ2955	MOT					
Q....401		50.03.0436	BC237B NPN 50V BC547B						
Q....402		50.03.0492	BC256B						
Q....403		50.03.0344	2N6474						
Q....404		50.03.0436	BC237B NPN 50V BC547B	RCA					
R....101		57.11.4682	6,8k						

PE=Polyester, EL=Electrolytic, CER=Ceramic, TA=Tantalum, PMG=Cermet, MF=Metal Film

MANUFACTURER: MOT=Motorola, PH=Philips

1.915.100 POWER SUPPLY TH 28/08/79

1.915.100 POWER SUPPLY ① HO 08/02/80

1.915.100 POWER SUPPLY ② VO 06/09/84

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