

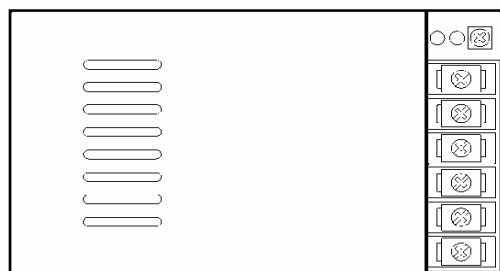


Miniature aluminum enclosure
12-24VDC Adjustable output with 10-turns variable resistor
Universal output 12-24VDC
Wide range of input voltage: 84-264VAC, 90-380VDC
2 x LED Status Indicator
Overload protection with automatic recovery

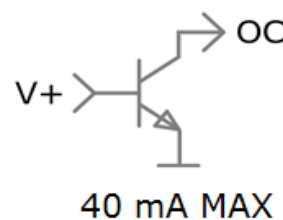
Specification:

Output	Rated power	18W		36W	
	DC voltage	12-24V			
	DC adjustable voltage range	11.5-24.5V			
	Rated current	12V @ 1.5A; 24V @ 0.75A		12V @ 3.0A; 24V @ 1.5A	
	Output voltage noise and ripples	≤0.5%			
	PWM frequency	65-130kHz (22kHz without load)			
	Temperature regulation	≤1%			
	Output voltage setup time	1200ms			
	Max current for OC output	40mA			
Input	Voltage range	100-240VAC (84VAC Min, 264VAC Max) 90-380VDC			
	Frequency range	40 ~ 400Hz			
	Efficiency	>85% @ 12V, >88% @ 24V			
	Open-circuit power	≤1.0W			
	Inrush current	20A max		35A max	
Indication	Green LED	on solid - normal, flashing - protection on			
	Red LED	ON/OFF Output voltage: >18VDC/<18VDC			
Protection	Max oUtpu power	21W		43W	
	Protection type	full auto			
Environment	Operating ambient temperature	- 25 °C to + 70 °C			
	Storage temperature	-40 °C to +85 °C			
	Humidity (non-condensing)	20%~90%			
	Vibration	10-500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
Safety & EMC	Confirmed safety standards	IEC61000-3-2:2004, EN61000-3-3:2004, EN55013:2004, EN55020:2003, IEC60065:2009			
	Input/output breakdown voltage	3000V/60s/5mA			
	Input/ground breakdown voltage	1500V/60s/5mA			
	Output/ground breakdown voltage	500V/60s/5mA			
	Insulation resistance (input/output, input/ground, output/ground)	100MΩ ±500V			
Others	MTBF	150 000 hours			
	Enclosure size	84x54x25		101x59x29	
	DIN-rail holder	DIN-holder supplied separately			
	Warranty	3 years			
	Packaging	white box, 100 pieces per carton			
	Weight	100 g		150 g	

²DIN-rail mounting²DIN holder appearance

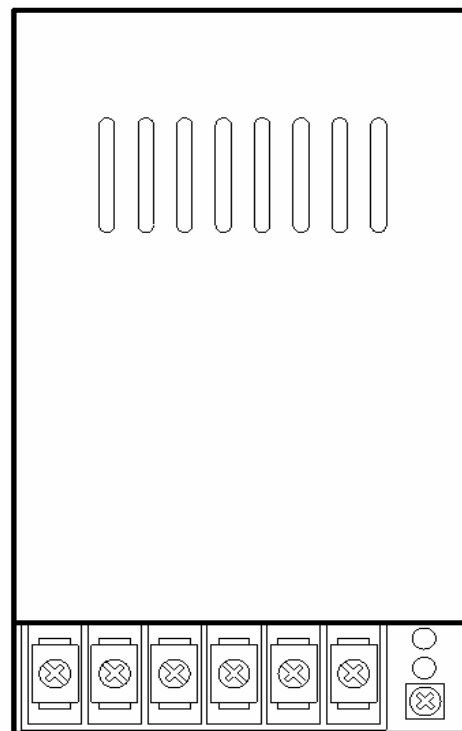
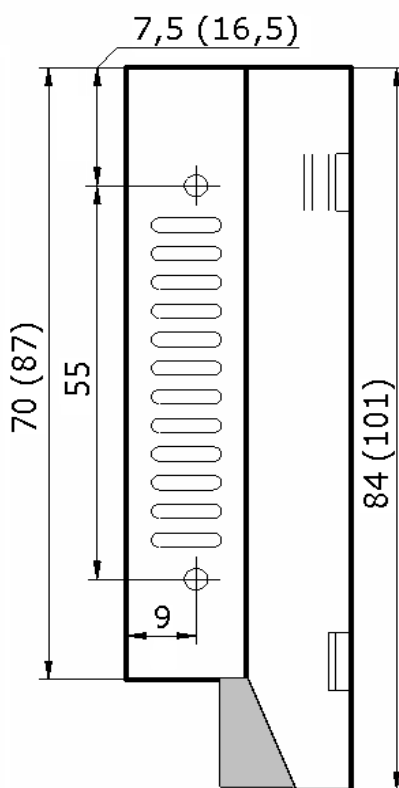
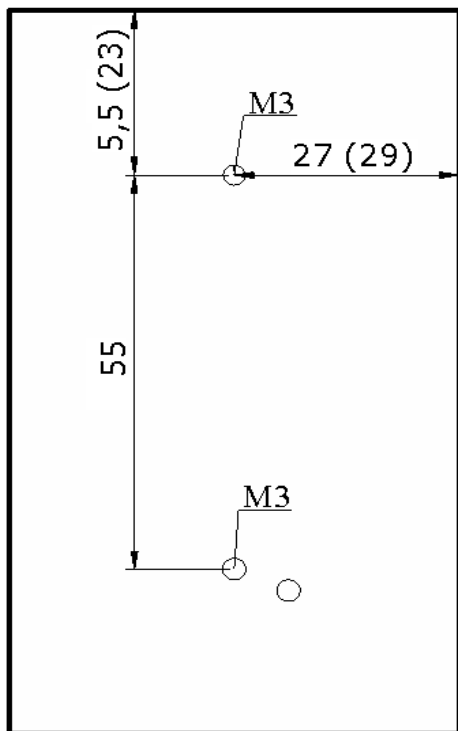
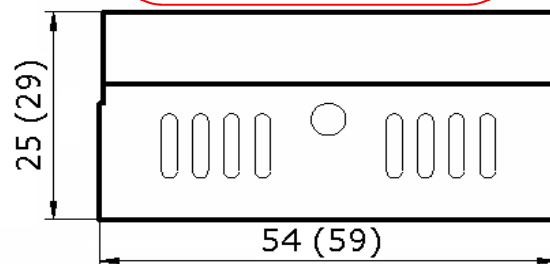


Indication, V+ ajust.
OC output
V+ output
V- output
FG input
AC-N input
AC-L input



Housing drawing 18W/12-24/78AL*:

*sizes for 36W/12-24V/95AL into brackets



Stickers:

Bar-code:



18W/12-24v/78AL

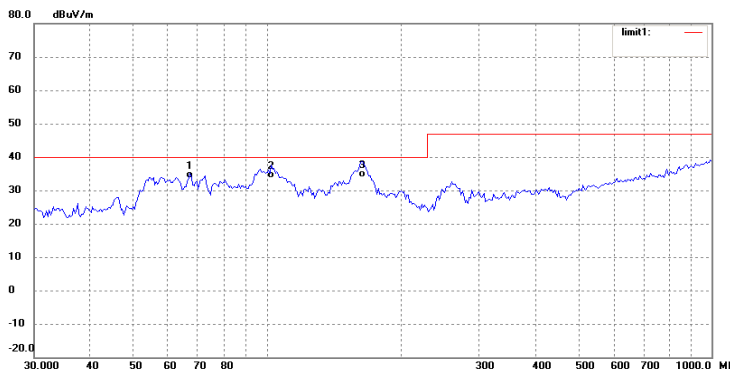


36W/12-24v/95AL

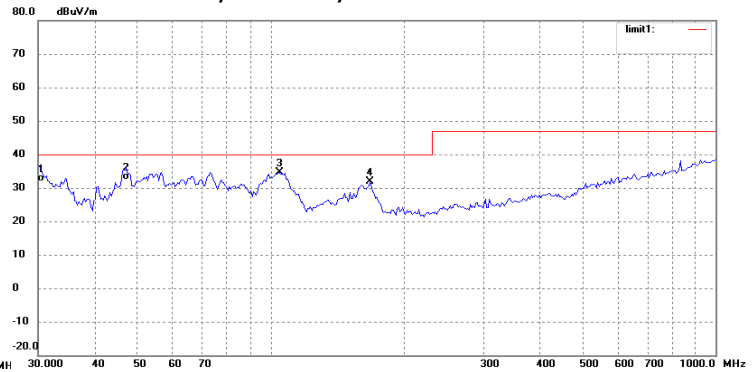


EMI-conduction test:

18W/12-24v/78AL

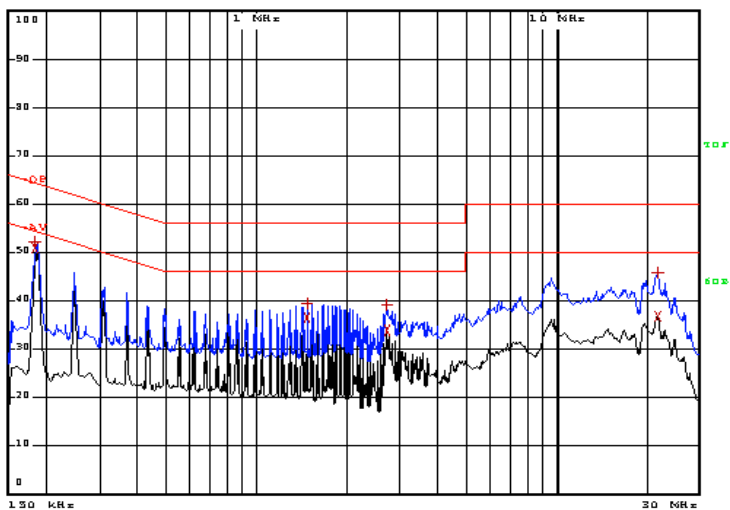


36W/12-24v/78AL□

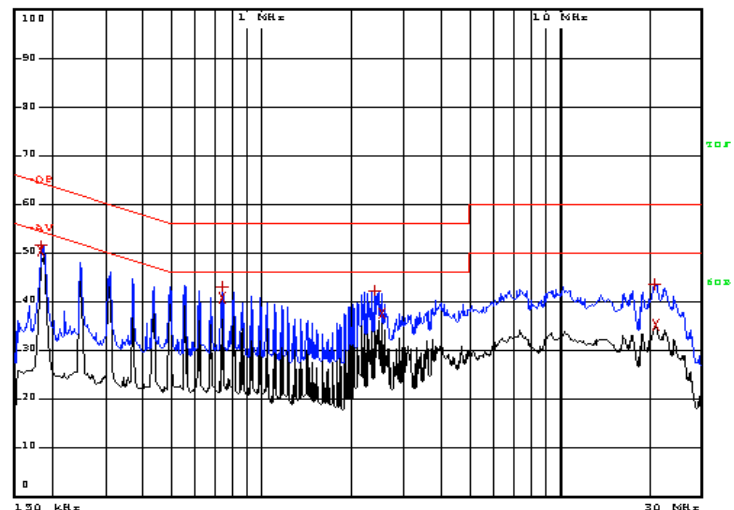


EMI-emission test:

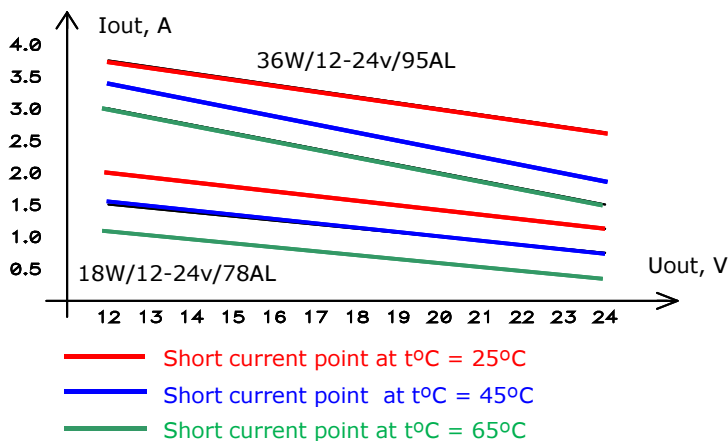
18W/12-24/78AL



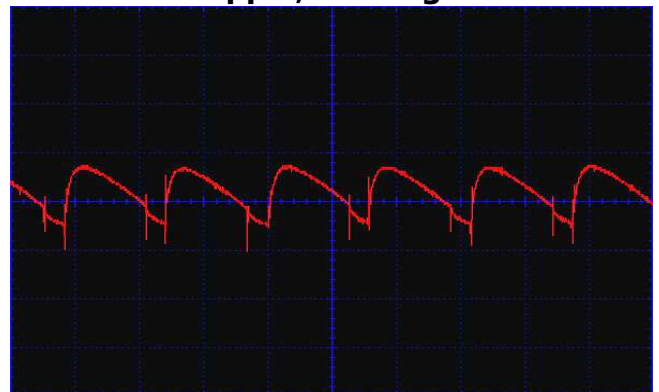
36W/12-24v/95AL□



Short current protection points:



1Noise & ripple, oscillogram:



FARADAY Electronics accepting applications on development and manufacturing of power supplies according to Your technical tasks. Minimal order quantity - 2000 pcs. Term of readiness - 20 days. Production time - 15 days + delivery.