

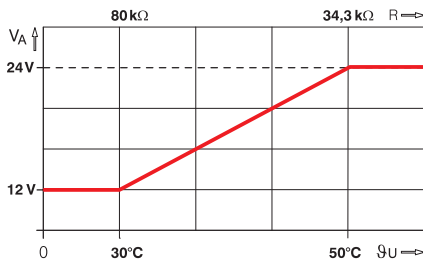


- Convection-cooled switched-mode power supply specially designed for operating electronically commutated fans or motors.
- Up to 6 consumers with a total of 60 watts power input can be directly connected to the output plug connector.
- 24 VDC nominal voltage. Output voltage adjustable from 12 to 24 V via external resistor or potentiometer
- Temperature-dependent fan operation. The required voltage is set via an external temperature sensor.
- Plastic housing

## POWER SUPPLY NT 60M

60 watts

The power unit has a free control input for selecting the voltage. The output voltage can be variably adjusted via an external resistor from 12 to 24 V. When using a 100kΩ NTC sensor (Accessory LZ 370 / Page 76) a temperature/voltage curve of 30 to 50°C is produced. An efficient and practice-oriented reduction of the air flow performance and noise emitted by the fan can be achieved in this temperature range.



If the control input is open or the sensor has been torn off, 24 VDC are available at the output.

**Option:** PCB with additional functions e.g. speed monitoring with alarm signal output for critical speeds.

The power unit is an integrated device. For installation and operation, observe the relevant DIN/VDE (German Industrial Standards/Association of German Electricians) and country-specific regulations.

For optimum cooling vertical assembly; observe clearance of min. 80 mm. The place of installation must fulfil the conditions for fireproof housings as per EN 60335 and EN 60950. Installation should only be carried out by skilled personnel.

Electrical connection	Mains input:	N / L / PE Bridge for 115 V mains voltage
	Outputs:	6 x plus / minus
	Connection:	Standard plug e.g. AMP MTA connector SL 156
Nominal input voltage	115 VAC 60 Hz or 230 VAC 50 Hz switchable	
Voltage range	110 VAC (-10% + 15%), 57 Hz...63 Hz	
110 V nominal voltage	Operation up to 90 VAC with limited output	
Voltage range	230 VAC (-20% + 15%), 47 Hz...53 Hz	
230 V nominal voltage		
Nominal output voltage	24 ± 2%	(12...24 V ± 2%)
Starting current inrush	< 20A (cold start)	
Control line / load	≤ 0.2%	≤ 0.1%
Output current / output power	2.5 A with VA = 24 V 1.25 A with VA = 12 V	60 W with VA = 24 V 30 W with VA = 12 V
Operating efficiency	> 85 % at nominal load	
Reliability (Siemens Standard)	L10 = 70000 h at 40 °C / 40000 h at 70 °C	
Protection type and class	IP 20 / 1	
Degree of contamination	2 (EN 50178)	
Galvanic separation	3000 VAC	
Basic safety standards	EN 60950 / VDE 0805 / UL1950 / CE	
Protective function	Output – free running and short circuit proof	
Operating mode	Continuous operation	
Operating temperature	-25 °C ... +55 °C	
Max. operating temperature	+ 70 °C housing temperature	
EVC: Emission / noise immunity	EN 50081-1 / EN 50081-2	
Mass	550 g	

