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PICCO – SWITCH MODE POWER SUPPLIES 04 | 2011

CONQUER SMALL SPACES WITH PICCO

When it comes to installations in tight spaces, compact switch mode power supplies are needed.

Murrelektronik's PICCO power supply units are the best choice for these applications: PICCO switch mode power supplies are ideal for building installations or control panels, small distribution boards or for control cabinets in machine building and plant engineering. Depending on your application, you can select from four different models. Each type is available with 12 and 24 V, and you can choose between pluggable spring clamp terminals and soldered screw terminals. With a total of 16 PICCO versions, we definitely have a solution for you! The switch mode power supplies feature a wide voltage input and are suitable for DIN rail mounting.

PICCO's outputs are short-circuit and overload protected. New output characteristics ensure reliable power supply at any time, even with high startup voltages.

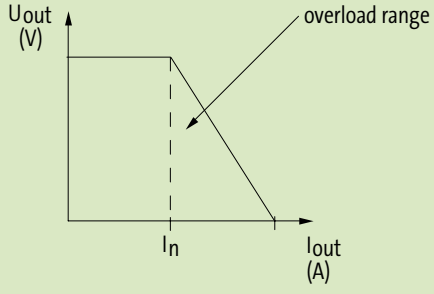
PICCO power supplies emit low EMC emissions. This makes them perfect for industrial environments as well as for residential area applications. They meet the PFC standard 61000-3-2 and can be used in all public mains.

YOUR BENEFITS

- 16 models
  - pluggable spring clamp terminal
  - or screw terminal
  - 12V or 24V - output voltage
  - 10 Watt, 30 Watt, 60 Watt, 100 Watt
- Power-Limiter (U/I characteristics)
- Meets the PFC standard (EN61000-3-2)
- Low EMC emissions (EMI - class B)

Power Limit Function (U/I characteristics)

The power limit function ensures that PICCO, different from conventional switch mode power supplies, does not switch off completely in case of overloads and short circuits, but only reduces the output voltage.This is what sets PICCO apart from conventional switch mode power supplies!



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MODEL OVERVIEW

Single phase, primary switched 12 V output voltage




Ordering data	Art. No.	Art. No.	Art. No.	Art. No.
Screw terminal	**87012**	**87014**	**87016**	**87018**
Pluggable spring clamp terminal	**87112**	**87114**	**87116**	**87118**
Input				
Input voltage	100...240 V AC; 140...340 V DC			
Input current	0.2 A (110 V AC); 0.12 A (230 V AC)	0.55 A (110 V AC); 0.35 A (230 V AC)	1.0 A (110 V AC); 0.58 A (230 V AC)	1.3 A (110 V AC); 0.75 A (230 V AC)
Output				
Output voltage	12 V DC SELV, ± 1 %; 12...15 V adjustable			
Nominal output current	0.85 A (+50 °C)...0.085 A (+70)	2.5 A (+50 °C)...0.25 A (+70)	4.5 A (+50 °C)...0.45 A (+70)	6 A (+50 °C)...0.6 A (+70)
Efficiency	79% (110 V AC); 80% (230 V AC)	83% (110 V AC); 84% (230 V AC)	85% (110 V AC); 86% (230 V AC)	
General data				
Standards	EN 55022B, EN 61000-3-2, EN 60950-1			
Temperature range	-25...+50 °C; up to +70 °C Derating			
Dimensions H x W x D	91 x 23 x 57 mm	91 x 53 x 57 mm	91 x 71 x 57 mm	91 x 90 x 57 mm

Single phase, primary switched 24 V output voltage




Ordering data	Art. No.	Art. No.	Art. No.	Art. No.
Screw terminal	**87011**	**87013**	**87015**	**87017**
Pluggable spring clamp terminal	**87111**	**87113**	**87115**	**87117**
Input				
Input voltage	100...240 V AC; 140...340 V DC			
Input current	0.2 A (110 V AC); 0.12 A (230 V AC)	0.55 A (110 V AC); 0.35 A (230 V AC)	1.1 A (110 V AC); 0.63 A (230 V AC)	1.7 A (110 V AC); 1.0 A (230 V AC)
Output				
Output voltage	24 V DC SELV± 1 %; 22...28 V adjustable			
Nominal output current	0.42 A (+50 °C)...0.042 A (+70)	1.25 A (+50 °C)...0.125 A (+70)	2.5 A (+50 °C)...0.25 A (+70)	4.2 A (+50 °C)...0.42 A (+70)
Efficiency	79% (110 V AC); 80% (230 V AC)	83% (110 V AC); 84% (230 V AC)	85% (110 V AC); 86% (230 V AC)	
General data				
Standards	EN 55022B, EN 61000-3-2, EN 60950-1			
Temperature range	-25...+50 °C; up to +70 °C Derating			
Dimensions H x W x D	91 x 23 x 57 mm	91 x 53 x 57 mm	91 x 71 x 57 mm	91 x 90 x 57 mm