

LD270 2 channel 700mA constant current power supply for LED-lighting with optional thermal sensing input

LD270 is a high efficiency power supply, operating from 230AC mains voltage. It is designed to drive a maximum of 2x10pcs of LED-modules with 700mA constant current.

Both output channels are SELV-class, isolated from mains. Output is maximum 39V.

Channels may be loaded asymmetrically, any of them may be left unloaded.

LD270 has an optional 1 μ A/K thermal sensing input, that may save LED-modules from overheating (not optional in IP67 version).

Output current ripple is low, that provides longer LED lifetime.

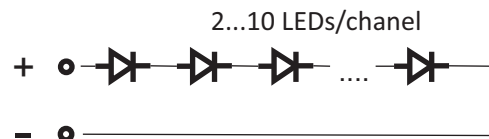
Output channels should not be crossloaded!

LD270 has built-in Power Factor Correction (PFC) and interference-filter. These provide low radiofrequency disturbance and THD, outperforming concerning standards (EN 61000-3-2, EN 55015).

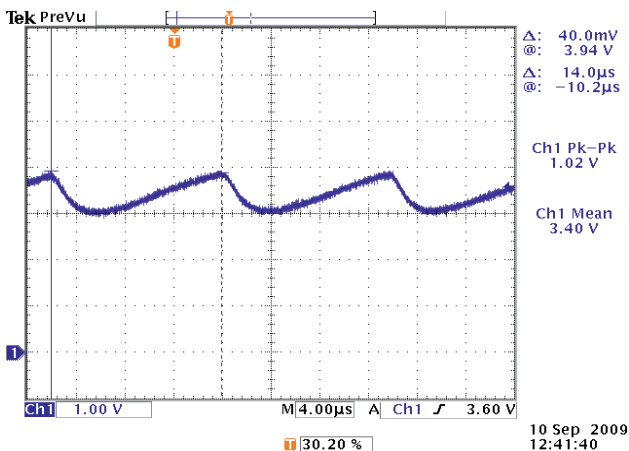
LD270 has an effective overvoltage-protection.

LD270 has an improved version with IP67 protection!

Standards: EN 61000-3-2, EN 55015, EN 62384, EN 61347-2-13.



Binding diagram



LED current diagram

Technical Parameters

Type	LD270	LD270 IP67	unit
Size LxWxH	130x79x30	148x86x35	mm
Light source	4...20 LED	4...20 LED	pcs
Nominal mains voltage	230	230	V
Operating voltage	195-260	195-260	V (AC)
Nominal input current (U _i =230V, 2x10 LED)	0,22	0,22	A
Mains frequency	50-60	50-60	Hz
Internal loss	<6	<6	W
Efficiency (U _i =230V, 2x10 LED)	87	87	%
Power factor (U _i =230V, 2x10db LED)	>0,95	>0,95	
Max. output voltage	39	39	V (DC)
Output current (2x10db LED)	700 +5%	700 +5%	mA
Max. total output power	44	44	W
Min. total output power	10	10	W
Output current ripple	<30	<30	%
Max. ambiente temperature (Ta)	80	80	°C
Min. ambiente temperature (Ta)	-30	-30	°C
Class of protection	I.	I.	
Weight	200	760	g

Lightronic Ltd.

H-2600 Vác, Szent-Györgyi Albert u. 1.

Tel/fax: +36/27319080

Email: lightronic@lightronic.hu

Web: www.lightronic.hu