

ELP036C1000LSD1

LED power supply for 1000 mA constant current
20...35 Vdc, 20...35 W, IP20, independent installation
TRIAC (leading & trailing edge) dimmable



Electrical data

input voltage (nominal)	220...240 Vac	
input voltage (range)	187...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.9	220...240 Vac
Input current	0.21 A	Full Load, 220 Vac
No-load loss	≤ 2 W	
Inrush current	15 A	Full Load, 240 Vac
Leakage current	< 0.5 mA	240 Vac
Output voltage	20...35 Vdc	
Output current	1000 mA	
Output power (nominal)	20...35 W	
Efficiency	≥ 85 %	
Life time	> 30000 h	50 °C
Dimmable	Yes	
Dimming mode	Triac (leading & trailing edge)	
Dimming range	10...100 %	

Operating condition

Operating temperature range (t_a)	-10...+50 °C
Max. Surface temperature (t_c)	80 °C
Permitted rel. humidity during operation	10...90 %
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	105...120 %
Overvoltage protection	Yes *	> 45 Vdc
Overheating protection	Yes *	

(*) The output shut off and will be resumed after problem is removed and led driver is restarted.

Standards & Certificates

Standards (LVD)	EN 61347-1, EN 61347-2-13
Standards (EMC)	EN 61000-3-2, EN 61000-3-3 EN 61000-4-2, EN 61000-4-5 EN 55015, EN 61547
Approval marks	CE, SEMKO (Intertek)
RoHS compliant	Yes

Dimension & Installation

Type of connection	Screw terminal
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.75...1.5 mm ²
Cable preparation length, input side	6...8 mm
Cable preparation length, output side	6...8 mm

