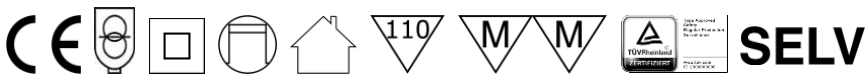


US-100-12 LI

LED power supply for 12 Vdc constant voltage
8.33 A (100 W) max., IP20, independent installation, non-dimmable



Electrical data

Input voltage (nominal)	200...240 Vac	
Input voltage (range)	176...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	> 0.9	220...240 Vac
Input current	0.78 A	Full Load, 176 Vac
No-load loss	≤ 0.5 W	
Inrush current	60 A	
Leakage current	< 0.5 mA	240 Vac
Output voltage	12 Vdc	
Output current	0...8.33 A	
Output power (nominal)	100 W max.	
Efficiency	≥ 87 %	
Life time	> 30000 h	45 °C
Dimmable	No	

Operating condition

Operating temperature range (t_a)	-20...+45 °C
Max. Surface temperature (t_c)	85 °C
Permitted rel. humidity during operation	10...90 %
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	105...150 %
Overvoltage protection	Yes *	
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 EN 62493
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, TÜV Rheinland
RoHS compliant	Yes

Dimension & Installation

Type of installation	Independent 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

