

Datasheet & Operating instructions

Model: LS-25V12-D3

LED power supply for 12 Vdc constant voltage
 0.8 ...2.08 A, 9.6...25 W, IP20, independent installation
 TRIAC (leading & trailing edge) dimmable
 Flickerfree according to IEEE 1789



Strain relief removable



Exploded view



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95	Full load
Input current	0.17 A max	
Inrush current	10 A max.	
Output voltage	12 Vdc	
Output current	0.8...2.08 A	
Output power (nominal)	9.6...25 W	
Efficiency	$\geq 84\%$	Full load
Life time	> 50,000 h	
Dimmable	TRIAC (leading & trailing edge)	
Dimming range	1...100 %	

Operating condition

Operating temperature range (t_a)	-20...+50 °C	
Max. Surface temperature (t_c)	85 °C	
Permitted rel. humidity	5...85 %	
Protection class	II	
Type of protection	IP20	

Protection

Short circuit protection	Yes *	
Overload protection	Yes *	
Overvoltage protection	Yes *	
No-load protection	Yes *	
Overheating protection	Yes *	

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

Standards

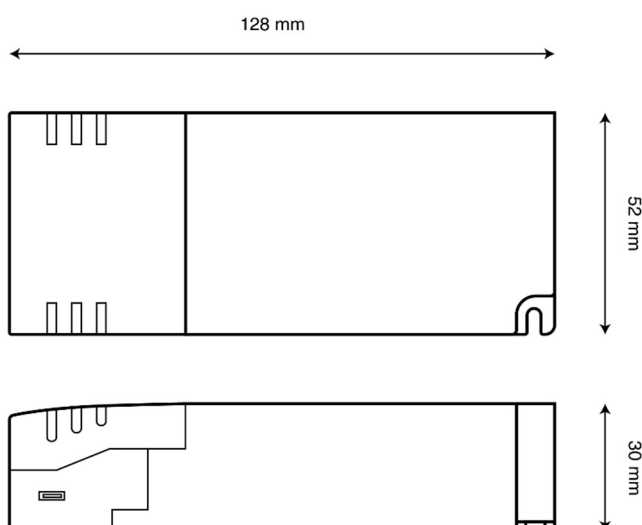
Standards	EN 61347-1, EN 61347-2-13 EN 62493, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3	
Marking	CE, UKCA	
RoHS compliant	Yes	

Installation

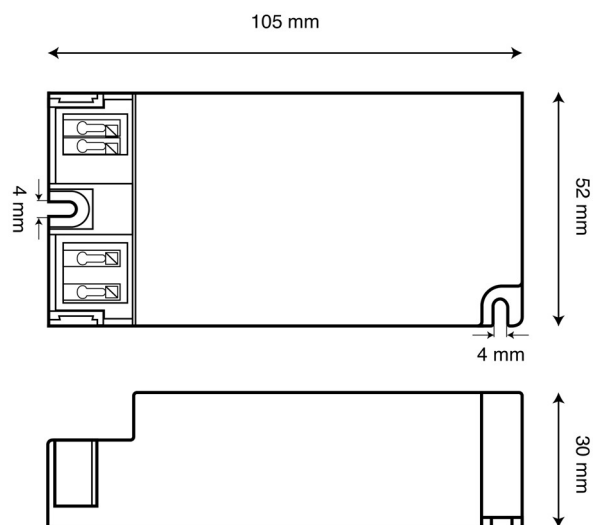
Type of installation	Independent installation	
Type of connection	Spring terminal	
Cable cross-section, input side	0.5...0.75 mm ²	
Cable cross-section, output side	0.5...0.75 mm ²	
Cable preparation length, input side	8 mm	
Cable preparation length, output side	8 mm	
Circuit breaker (230V)	10A Type B: 58 pc. 16A Type B: 94 pc.	10A Type C: 58 pc. 16A Type C: 94 pc.

Dimension

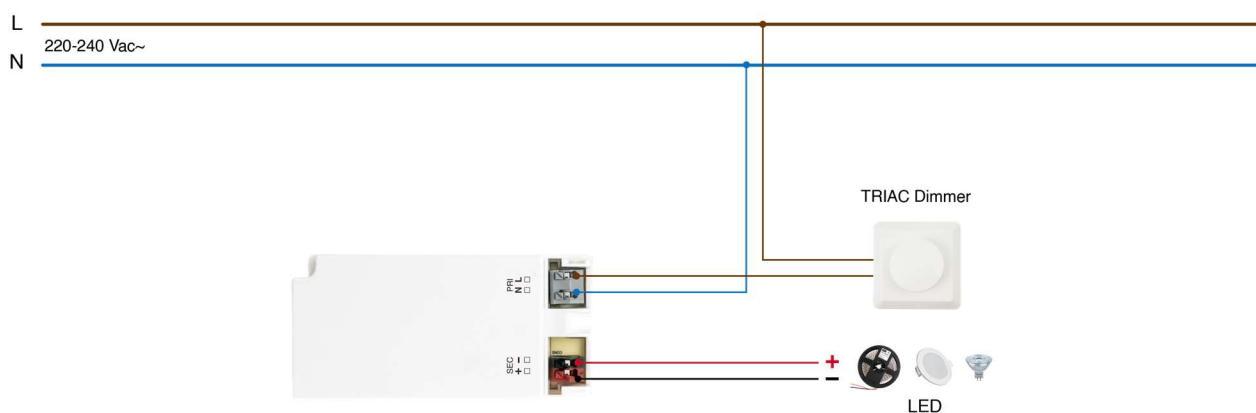
with strain relief



without strain relief



Connection



Important notice

Download the safety instructions at www.illuburg.de/infocenter, read them carefully and observe the listed instructions and information for proper use.

Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

Manufacturer Information

If you have any further questions, please contact our technical support.

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