

Datasheet & Operating instructions

Model: CS5-12V12-D3

LED power supply for 12 Vdc constant voltage

0.2 ...1 A, 2.4...12 W, IP65, Built-in installation

TRIAC (leading & trailing edge) dimmable

Flickerfree according to IEEE 1789



Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Range of input voltage (DC)	176...250 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95	Full load
Input current	0.08 A max	
Inrush current	5 A max.	
Output voltage	12 Vdc	
Output current	0.2...1 A	
Output power (nominal)	2.4...12 W	
Efficiency	77 %	Full load
Life time	> 50,000 h	
Dimming mode	TRIAC (leading & trailing edge)	
Dimming range	1...100 %	

Operating condition

Operating temperature range (t_a)	-20...+50 °C	
Max. Surface temperature (t_c)	90 °C	
Permitted rel. humidity during operation	5...85 %	
Protection class	II	
Type of protection	IP65	

Protection

Short circuit protection	Yes *	
Overload 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 62384, EN 60598-1 EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3	
Marking	CE, UKCA	
RoHS compliant	Yes	

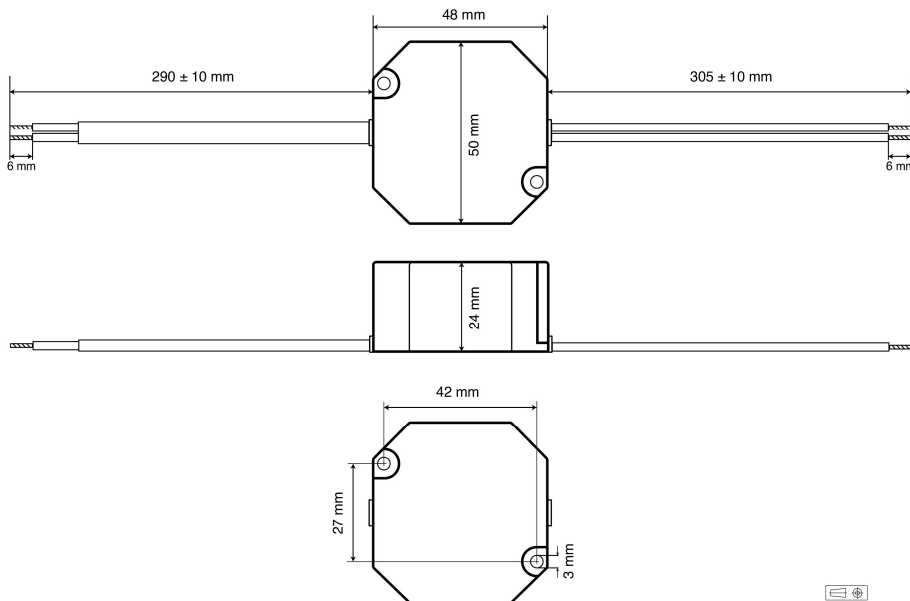
Installation

Cable length, input side	290 ± 10 mm	
Cable length, output side	305 ± 10 mm	
Cable cross-section, input side	2 x 0.75 mm ²	
Cable cross-section, output side	2 x 18 AWG	
Cable preparation length, input side	6 mm tinned	
Cable preparation length, output side	6 mm tinned	
Circuit breaker (230V)	10A Type B: 125 pc. 13A Type B: 162 pc. 16A Type B: 200 pc. 20A Type B: 250 pc.	10A Type C: 125 pc. 13A Type C: 162 pc. 16A Type C: 200 pc. 20A Type C: 250 pc.

Dimension

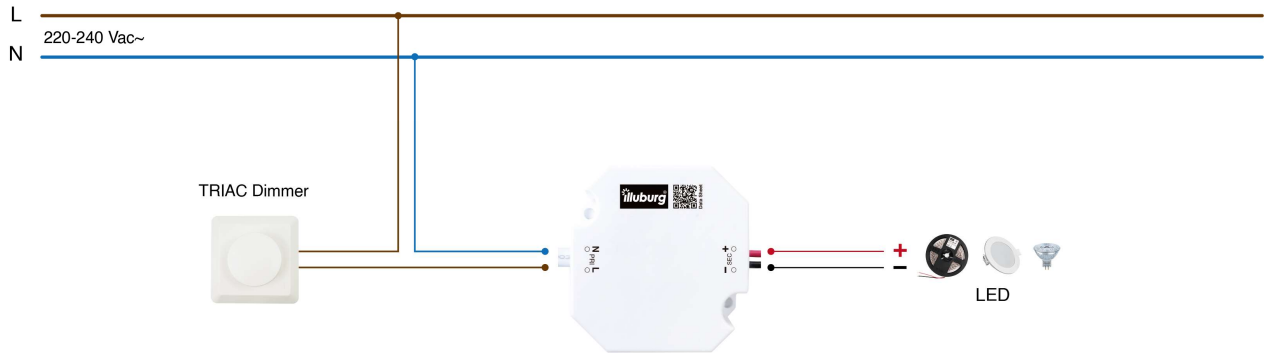
AC INPUT (2 x 0.75 mm²)
BROWN (L)
BLUE (N)

DC OUTPUT (2 x 18 AWG)
RED (+)
BLACK (-)



Unspecified tolerance: ±2

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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