

Datasheet & Operating instructions

Model: CSU-24V12

LED power supply for 12 Vdc constant voltage
2 A (24W) max., IP20, Built-in installation, non-dimmable
Flicker free according to IEEE 1789



Electrical data

| | | |
|-----------------------------|--------------------------|--|
| Rated input voltage | 220...240 Vac | |
| Range of input voltage | 198...264 Vac | |
| Range of input voltage (DC) | 200...280 Vdc | |
| Mains frequency | 50/60 Hz | |
| Power factor (λ) | ≥ 0.95 | |
| Input current | 0.16 A max. | |
| No-load loss | ≤ 0.5 W | |
| Inrush current | 20 A max. | |
| Leakage current | I/P to O/P < 250 μ A | |
| Output voltage | 12 Vdc | |
| Output current | 0.1...2 A | |
| Output power (nominal) | 24 W max. | |
| Efficiency | ≥ 86 % | |
| Life time | > 50,000 h | |
| Dimmable | No | |

Operating condition

| | | |
|---------------------------------------|--------------|--|
| Operating temperature range (t_a) | -20...+50 °C | |
| Max. Surface temperature (t_c) | 90 °C | |
| Permitted rel. humidity | 10...90 % | |
| Protection class | II | |
| Type of protection | IP20 | |

Protection

| | | |
|--------------------------|-------|--|
| Short circuit protection | Yes * | |
| Overload protection | Yes * | |
| No-load protection | Yes * | |

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

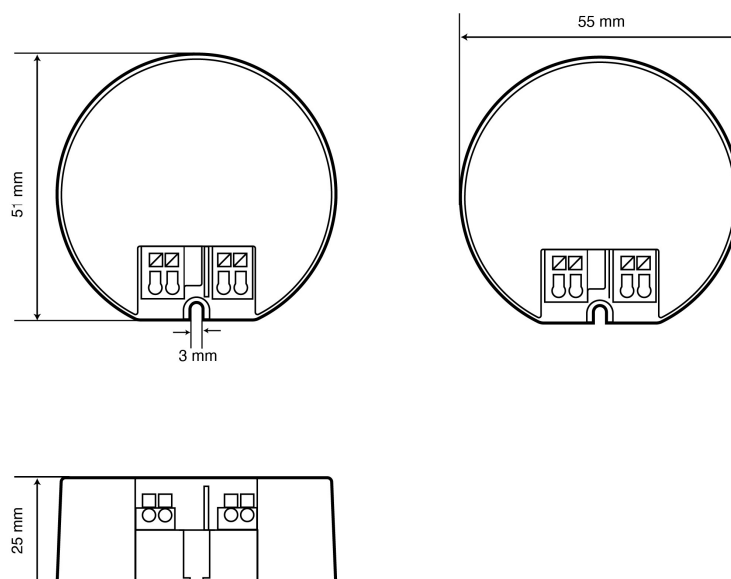
Standards

| | | |
|-----------------------|--|--|
| Standards | EN 61347-1, EN 61347-2-13 EN 62493, EN 55015 EN 61547, EN62384 EN 61000-3-2, EN 61000-3-3 | |
| Marking | CE, UKCA | |
| RoHS compliant | Yes | |

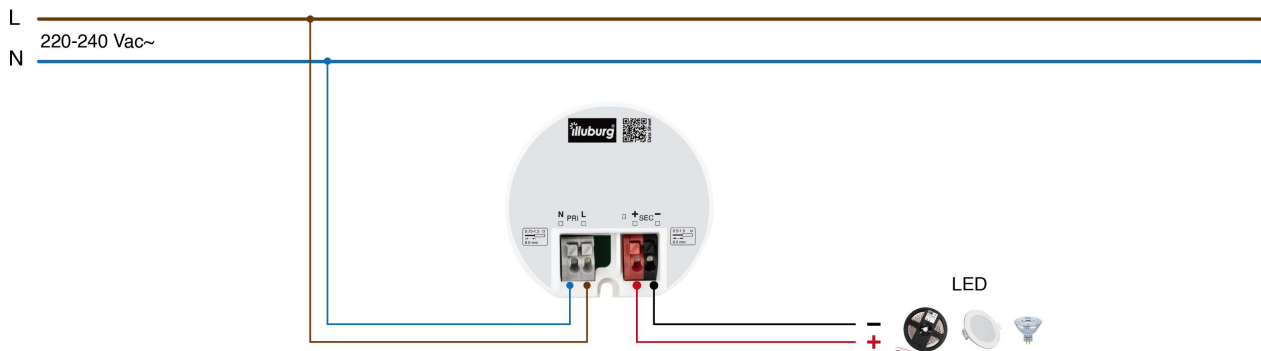
Installation

| | | |
|--|--|---|
| Type of installation | Built-in installation | |
| Type of connection | Push-in terminal | |
| Cable cross-section, input side | 0.75...1.5 mm ² | |
| Cable cross-section, output side | 0.5...1.5 mm ² | |
| Cable preparation length, input side | 7.0...9.0 mm | |
| Cable preparation length, output side | 7.0...9.0 mm | |
| Circuit breaker (230V) | 10A Type B: 30pc. 13A Type B: 39pc. 16A Type B: 48 pc. 20A Type B: 60 pc. 25A Type B: 75 pc. | 10A Type C: 48 pc. 13A Type C: 62 pc. 16A Type C: 77 pc. 20A Type C: 96 pc. 25A Type C: 120 pc. |

Dimension



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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