

Datasheet & Operating instructions

Model: SS5-10C700-D3

LED power supply for 700 mA constant current
7...15 Vdc, 5...10 W, IP65, Built-in installation
TRIAC (leading & trailing edge) dimmable



Electrical data

| | | |
|--------------------------------------------|---------------------------------|-----------|
| Rated Input Voltage | 220...240 Vac | |
| Range of input voltage | 198...264 Vac | |
| Mains frequency | 50/60 Hz | |
| Power factor (λ) | ≥ 0.90 C | Full load |
| Input current | 0.08 A max. | |
| Inrush current | 5 A max. | |
| Output voltage | 7...15 Vdc | |
| Output current | 700 mA | |
| Output power (nominal) | 5...10 W | |
| Efficiency | ≥ 75 % | Full load |
| Life time | > 50,000 h | |
| Dimmable mode | TRIAC (leading & trailing edge) | |
| Dimming range | 1...100 % | |

Operating condition

| | | |
|-------------------------------------------------------|--------------|--|
| Operating temperature range (t_a) | -20...+60 °C | |
| Max. Surface temperature (t_c) | 90 °C | |
| Permitted rel. humidity | 5...85 % | |
| Protection class | II | |
| Type of protection | IP65 | |

Protection

| | | |
|---------------------------------|-------|----------|
| Short circuit protection | Yes * | |
| Overload protection | Yes * | |
| Overvoltage protection | Yes * | > 21 Vdc |
| 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 | |

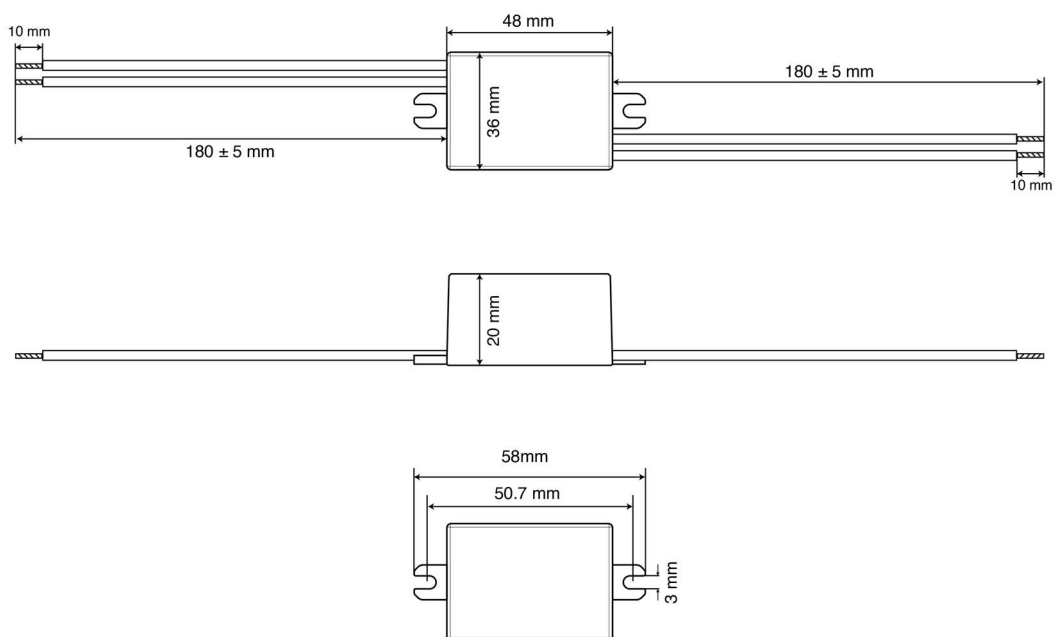
Installation

| | | |
|----------------------------------------------|--------------------------------------------|--------------------------------------------|
| Cable length, input side | 180 ± 5 mm | |
| Cable length, output side | 180 ± 5 mm | |
| Cable cross-section, input side | 2 x 20 AWG | |
| Cable cross-section, output side | 2 x 22 AWG | |
| Cable preparation length, input side | 5 mm | |
| Cable preparation length, output side | 5 mm | |
| Circuit breaker (230V) | 10A Type B: 100 pc. 16A Type B: 160 pc. | 10A Type C: 100 pc. 16A Type C: 160 pc. |

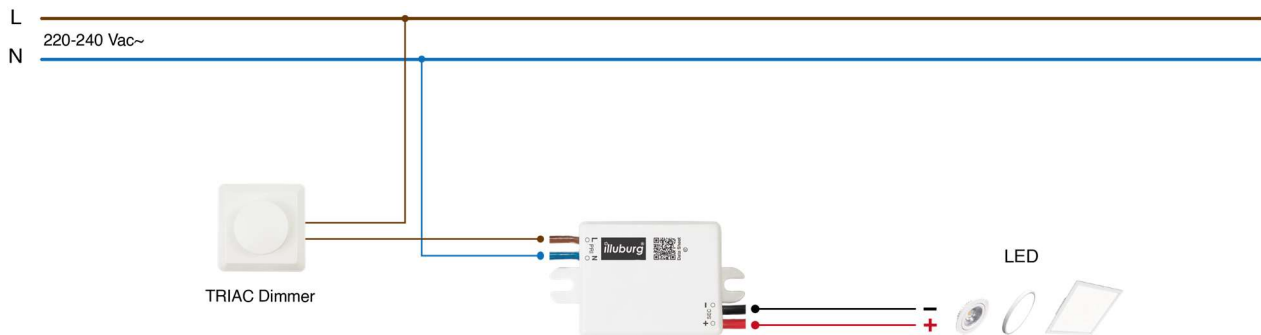
Dimension

AC INPUT (2 x 0.5 MM²)
BROWN (L)
BLUE (N)

DC OUTPUT (2 x 0.5 MM²)
RED (+)
BLACK (-)



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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