

Datasheet & Operating instructions

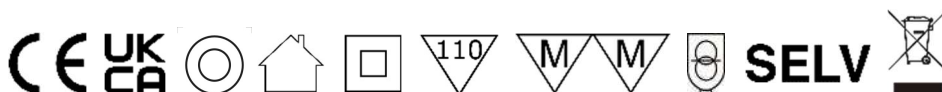
Model: CS5-25V48-D3

LED power supply for 48 Vdc constant voltage

0.1...0.52 A, 4.8...25 W, IP65, Built-in installation

TRIAC (trailing edge) dimmable

Flicker-free according to IEEE 1789



Electrical data

Rated input voltage	220...240 Vac
Range of input voltage (AC)	198...264 Vac
Range of input voltage (DC)	176...280 Vdc
Mains frequency	50/60 Hz
Power factor (λ)	≥ 0.95
Input current	0.17 A max.
Inrush current	5 A max.
Leakage current	< 0.7 mA
Output voltage	48 Vdc
Output current	0.1 A...0.52 A
Output power (nominal)	25 W max.
Efficiency	$\geq 86\%$
Life time	> 50,000 h
Dimming	TRIAC (trailing edge), 1...100 %

Operating condition

Operating temperature range (t_a)	-20...+50 °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 *
No-load protection	Yes *
Overheating protection	Yes *

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

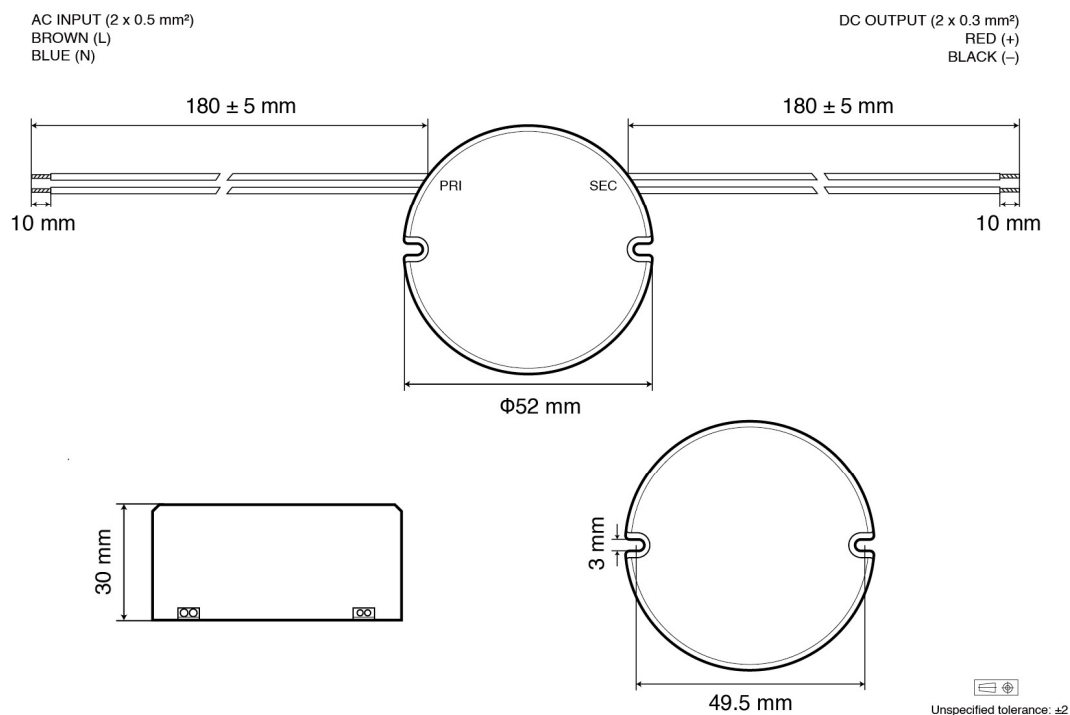
Standards

Standards	EN 61347-1, EN 61347-2-13 EN 62384, EN 55015, EN 61547 EN 62493, EN 61000-3-2, EN 61000-3-3
Marking	CE, UKCA
RoHS compliant	Yes

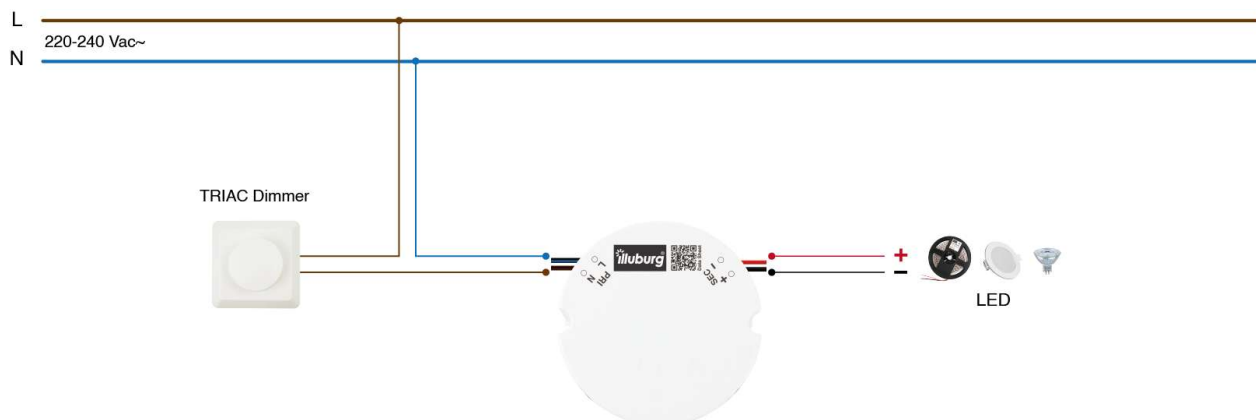
Installation

Cable length, input side	180 ± 10 mm
Cable length, output side	180 ± 10 mm
Cable cross-section, input side	0.5 mm ²
Cable cross-section, output side	0.3 mm ²
Circuit breaker (230V)	10A Type B: 35 pc. 13A Type B: 46 pc. 16A Type B: 56 pc. 20A Type B: 70 pc. 10A Type C: 58 pc. 13A Type C: 76 pc. 16A Type C: 94 pc. 20A Type C: 117 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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