

Datasheet & Operating instructions

Model: LM7-200V24G

LED power supply for 24 Vdc constant voltage

8.34 A (200 W) max., IP67, built-in installation, non-dimmable

Flicker-free according to IEEE 1789



Adjuster screw for output voltage



For using with long LED strips, the longer the LED strip, the more loss of output voltage. This may cause the LED strip to darken or flicker. In this case, the output voltage can be adjusted +/-10% with using adjusting screw on the housing.

Electrical Data

Rated input voltage	100...277 Vac	
Range of input voltage	90...305 Vac	
Rated input voltage (DC)	125...420 Vdc	
Range of input voltage (DC)	125...420 Vdc	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.95 ≥ 0.9	Full Load 70...100% Load
Input current	≤ 2 A ≤ 1.0 A ≤ 0.9 A	80% Rated Load, 120 Vac Rated Load, 230 Vac Rated Load, 277 Vac
No-Load Loss	< 0.5 W	
Inrush current	≤ 75 A	Full load, 240 Vac
Leakage current	≤ 0.7 mA ≤ 0.75 mA	240 Vac 50 Hz 277 Vac 60 Hz
Output voltage	24 Vdc	
Output current	0...8.34 A	
Output power (nominal)	200 W max.	
Efficiency	≥ 91 % ≥ 89 %	230 Vac 120 Vac
Life Time	$> 85,000$ h	
Dimmable	No	

Operating Condition

Operating Ambient Temperature (t_a)	-40...+50 °C +50...+70 °C	Rated Load 70% Rated Load
Max Case Temperature (t_c)	90 °C	
Protection class	I	
Type of protection	IP67	

Protection

Short Circuit Protection	Yes *	
Overl Current Protection	Yes *	120...160%
Over Voltage Protection	Yes *	110...150%
Over Temperature Protection	Yes *	90 °C $< T_c < 110$ °C

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

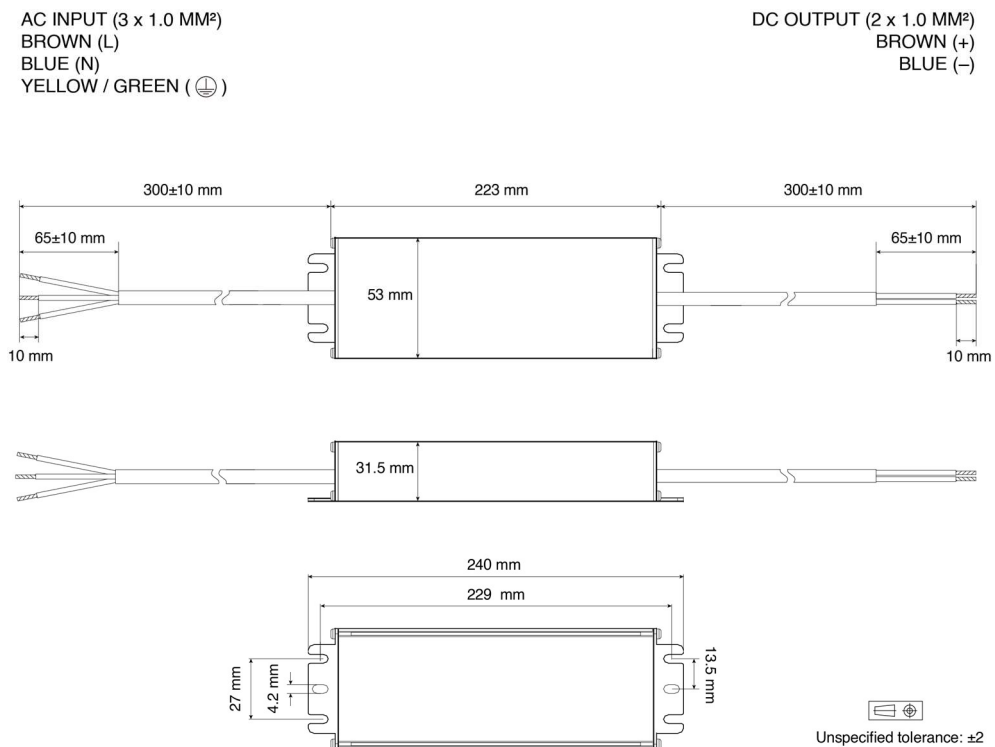
Standards & Certificates

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

Installation

Cable length, input side	300 mm	
Cable length, output side	300 mm	
Cable cross-section, input side	3 x 1.0 mm ²	
Cable cross-section, output side	2 x 1.0 mm ²	
Cable preparation length, input side	10 mm tinned	
Cable preparation length, output side	10 mm tinned	
Circuit breaker (230V)	16A Type B: 6 pc. 20A Type B: 8 pc.	16A Type C: 11 pc. 20A Type C: 13 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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