

Datasheet & Operating instructions

Model: FM7-500V24

LED power supply for 24 Vdc constant voltage
21 A (500 W) max., IP67, built-in installation, non-dimmable
Flicker free according to IEEE 1789



Electrical Data

Rated input voltage	220...240 Vac	
Range of input voltage	170...277 Vac	
Mains frequency	50/60 Hz	
Power factor (λ)	≥ 0.96	Full Load, 230 Vac
Input current	2.1...3.5 A	
No-Load Loss	< 0.5 W	
Inrush current	≤ 65 A	
Leakage current	≤ 0.5 mA	
Output voltage	24 Vdc	
Output current	21 A max.	
Output power (nominal)	500 W max.	
Efficiency	≥ 93.5 %	
Life Time	$> 50,000$ h	
Dimmable	No	

Operating Condition

Operating Ambient Temperature (t_a)	-30...+45 °C	
Max Case Temperature (t_c)	80 °C	
Protection class	II	
Type of protection	IP67	

Protection

Short Circuit Protection	Yes *	
Overload Protection	Yes *	110...150 %
Overvoltage Protection	Yes *	110...150 %
Overheating Protection	Yes *	

(*) 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 55015, EN 61547 EN 61000-3-2, EN 61000-3-3	
Marking	CE, UKCA	
RoHS compliant	Yes	

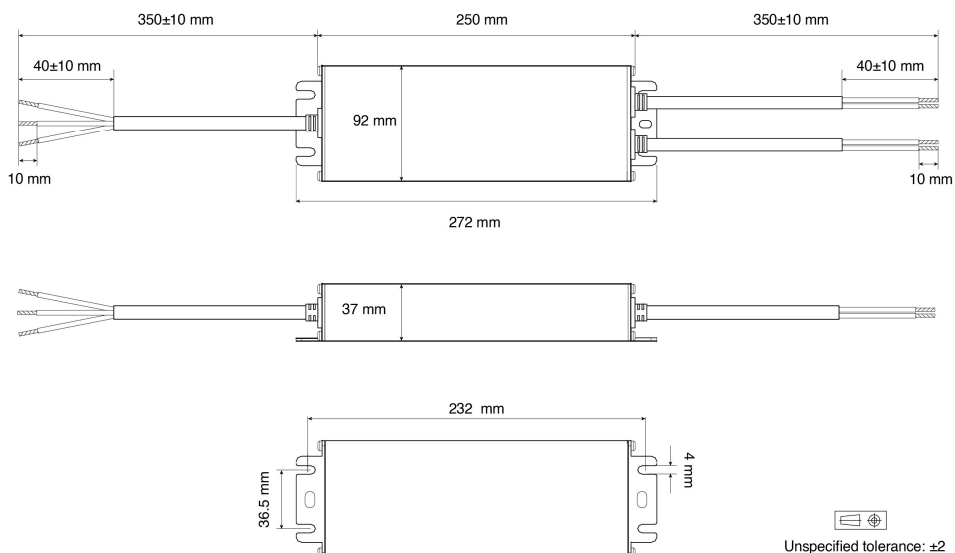
Installation

Cable length, input side	250 mm	
Cable length, output side	2 x 250 mm	
Cable cross-section, input side	3 x 1.0 mm ²	
Cable cross-section, output side	2 x 2.5 mm ²	
Cable preparation length, input side	8 mm tinned	
Cable preparation length, output side	8 mm tinned	
Circuit breaker (230V)	6 A Type B: 2 pc. 10 A Type B: 4 pc. 13 A Type B: 5 pc.	16 A Type B: 6 pc. 20 A Type B: 8 pc. 25 A Type B: 10 pc.

Dimension

AC INPUT (3 x 1.0 MM²)
BROWN (L)
BLUE (N)
YELLOW / GREEN (⊕)

DC OUTPUT (2 x 2 x 2.5 MM²)
BROWN (+)
BLUE (-)



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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