

# Datasheet & Operating instructions

## Model: FM7-200V24

LED power supply for 24 Vdc constant voltage  
8.3 A (200 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 ( $\lambda$ )	$\geq 0.96$	Full Load, 230 Vac
Input current	0.86...1.28 A	
No-Load Loss	$< 0.5$ W	
Inrush current	$\leq 55$ A	
Leakage current	$\leq 0.5$ mA	
Output voltage	24 Vdc	
Output current	8.3 A max.	
Output power (nominal)	200 W max.	
Efficiency	$\geq 93.5$ %	
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

<b>Standards</b>	EN 61347-1, EN 61347-2-13 EN 62493, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3	
<b>Marking</b>	CE, UKCA	
<b>RoHS compliant</b>	Yes	

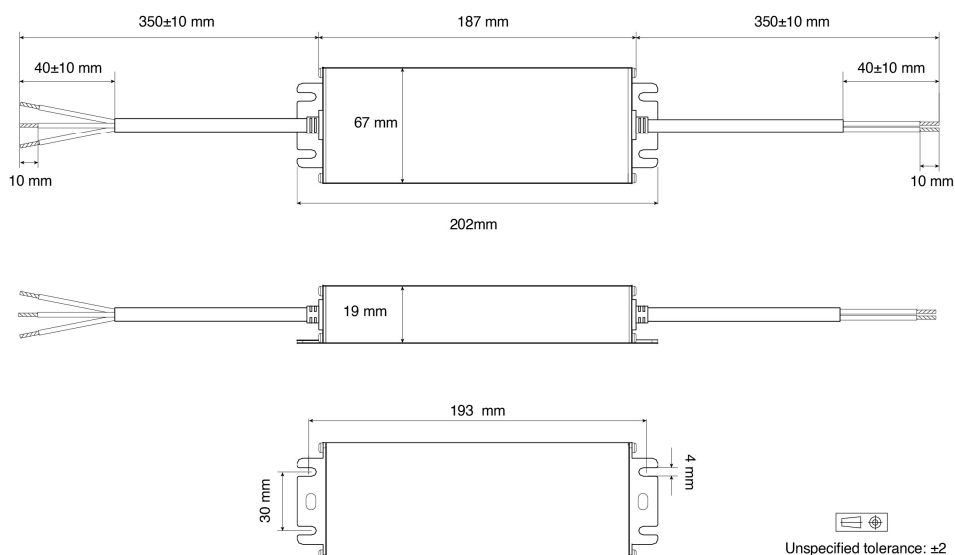
## Installation

<b>Cable length, input side</b>	250 mm	
<b>Cable length, output side</b>	250 mm	
<b>Cable cross-section, input side</b>	3 x 0.75 mm <sup>2</sup>	
<b>Cable cross-section, output side</b>	2 x 1.0 mm <sup>2</sup>	
<b>Cable preparation length, input side</b>	8 mm tinned	
<b>Cable preparation length, output side</b>	8 mm tinned	
<b>Circuit breaker (230V)</b>	6 A Type B: 4 pc. 10 A Type B: 7 pc. 13 A Type B: 10 pc.	16 A Type B: 12 pc. 20 A Type B: 15 pc. 25 A Type B: 19 pc.

## Dimension

AC INPUT (3 x 0.75 MM<sup>2</sup>)  
BROWN (L)  
BLUE (N)  
YELLOW / GREEN (⊕)

DC OUTPUT (2 x 1.0 MM<sup>2</sup>)  
BROWN (+)  
BLUE (-)



Unspecified tolerance: ±2

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## Connection



## Important notice

Download the safety instructions at [www.illuburg.de/infocenter](http://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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