

# BMU HPFU

Direct current electronic drivers  
Alimentatori elettronici in corrente continua

Made in Italy 

constant  
**CURRENT**

**RIPPLE  
FREE**

Pst LM ≤ 1  
SVM ≤ 0,4



1

Single current drivers - Not dimmable  
Alimentatori corrente singola - Non regolabili



**Rated Voltage**  
Tensione Nominale  
100<sup>(3)</sup>

110 ÷ 127 V<sup>(2)</sup>  
220 ÷ 240 V

**Frequency**  
Frequenza  
50-60 Hz

**AC Operation range**  
Tensione di utilizzo AC  
90 ÷ 264 V

**DC Operation range**  
Tensione di utilizzo DC  
(see page info15)  
176 ÷ 276 V

**Power - Potenza**  
0 ÷ 12 W

**iTHD**  
≥ 45%<sup>(1)</sup>

**Output current ripple**  
≤ 3%<sup>(1)</sup>

**Standards compliance**  
CSA C22.2 no. 223  
EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
UL 1310  
UL 8750

**Max. pcs for CB B16A**  
(see page info17)  
27 pcs

**In rush current**  
27A 250µsec

| Article<br>Articolo       | Code<br>Codice | P out<br>W                 | V out<br>DC <sup>(1)</sup> | I out<br>DC  | U out<br>V | ta<br>°C                    | tc<br>°C | λ max.<br>Power<br>Factor | η max.<br>Efficiency <sup>(1)</sup> |
|---------------------------|----------------|----------------------------|----------------------------|--------------|------------|-----------------------------|----------|---------------------------|-------------------------------------|
| <b>BMU 12W 350mA HPFU</b> | 141070         | 12 (10 <sup>(2)(3)</sup> ) | 2...34                     | 350 mA cost. | 39         | -25...+45 <sup>(2)/50</sup> | 80       | 0,85 C <sup>(4)</sup>     | > 80 %                              |
| <b>BMU 12W 500mA HPFU</b> | 141072         | 12 (10 <sup>(2)(3)</sup> ) | 2...24                     | 500 mA cost. | 28         | -25...+45 <sup>(2)/50</sup> | 80       | 0,85 C <sup>(4)</sup>     | > 81 %                              |
| <b>BMU 12W 700mA HPFU</b> | 141074         | 12 (10 <sup>(2)(3)</sup> ) | 2...17                     | 700 mA cost. | 22         | -25...+45 <sup>(2)/50</sup> | 80       | 0,85 C <sup>(5)</sup>     | > 80 %                              |

<sup>(1)</sup> Referred to V<sub>m</sub> = 230 V, 100% load - Riferito a V<sub>m</sub> = 230 V, carico 100%

<sup>(3)</sup> Pout 8 W

<sup>(4)</sup> λ: 0,85 C @ 220 ÷ 240 Vac @ Pmax

λ: 0,8 C @ 100, 110 ÷ 127 Vac @ P<10W

<sup>(5)</sup> λ: 0,85 C @ 220 ÷ 240, 110 ÷ 127 Vac @ P10÷12

λ: 0,75 C @ 100 Vac @ P<8W

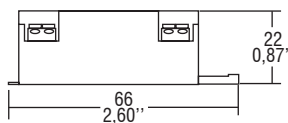
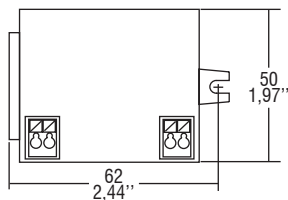
<sup>(6)</sup> 141070BIS - 141072BIS - 141074BIS: order codes for BIS marked products - codici di ordine per i prodotti marchiati BIS

**Light output level in DC operation: Factory default 100% EOfi=1**

**Livello di emissione luminosa in funzionamento DC: Impostazioni di fabbrica 100% EOfi=1**

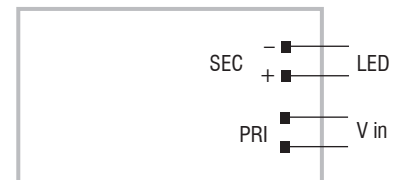
**BUILT-IN  
SCREW  
FIXING**

Weight - Peso gr. 45 / 1,6 oz.  
Pcs - Pezzi 70



**Wiring diagram - Schema di collegamento**

(Max. LED distance on page info8 - Massima distanza LED a pagina info8)



## Features

- Driver for built-in use.
- Input and output terminal blocks on the same side.
- It can be used for lighting equipment in protection class I and II.
- Single terminal block at the primary and secondary circuit (wire cross-section up to 1,5 mm<sup>2</sup> / AWG15).
- Driver can be secured with slot for screws.
- Ultra compact size.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Current regulation -6 % + 5 % including temperature variations.
- Thermal protection = C.5.a.

## Caratteristiche

- Alimentatore da incorporare.
- Morsetti di entrata e uscita sullo stesso lato.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- Singolo morsetto su primario e secondario (sezione cavo fino a 1,5 mm<sup>2</sup> / AWG15).
- Fissaggio dell'alimentatore tramite asole per viti.
- Dimensioni molto ridotte e compatte.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Corrente regolata -6 % + 5 % incluse variazioni di temperatura.
- Protezione termica = C.5.a.

The data shown are preliminary and may change - I dati riportati sono preliminari e potrebbero subire variazioni

