

# EFU HPFU

Direct current electronic drivers  
Alimentatori elettronici in corrente continua

Made in Italy 

constant  
**VOLTAGE**

**RIPPLE  
FREE**

Pst LM ≤ 1  
SVM ≤ 0,4



EAC  05  EL 

2kV DIFF. 4kV COMM.  LOOPING  SEC. SWITCH  SAFETY PROTECTIONS

**Rated Voltage**  
Tensione Nominale  
100 ÷ 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)  
DC 176 ÷ 280 V

**Power - Potenza**  
0 ÷ 20 W

**Input Power**  
Potenza in ingresso  
23,6 (12,2 <sup>(2)</sup>) W

**iTHD**  
≥ 40% <sup>(1)</sup>

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

**Standards compliance**  
EN 55015  
EN 61000-3-2  
EN 61000-3-3  
EN 61347-1  
EN 61347-2-13  
EN 61547  
EN 62384

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

**In rush current**  
27A 250µsec

Article Articolo	Code Codice	P out W	V out DC <sup>(1)</sup>	I out DC	ta °C	tc °C	λ max. Power Factor	η max. Efficiency <sup>(1)</sup>
<b>EFU 12V HPFU</b>	141125	20 (10 <sup>(2)</sup> )	12	2,08 (0,83 <sup>(2)</sup> ) A max.	-25...+50	80	0,87 <sup>(3)</sup> (0,9 <sup>(2)</sup> ) C	> 85 %
<b>EFU 24V HPFU</b>	141126	20 (10 <sup>(2)</sup> )	24	1,04 (0,42 <sup>(2)</sup> ) A max.	-25...+50	80	0,87 <sup>(3)</sup> (0,9 <sup>(2)</sup> ) C	> 87 %

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

<sup>(2)</sup> Pout > 2 W

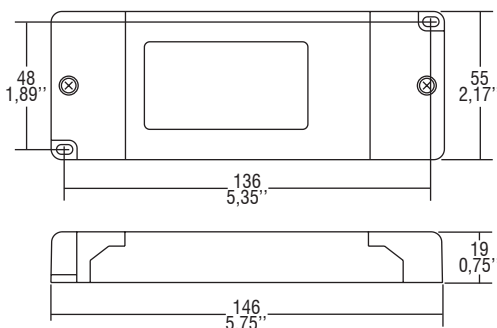
<sup>(3)</sup> Pout > 11 W

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

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

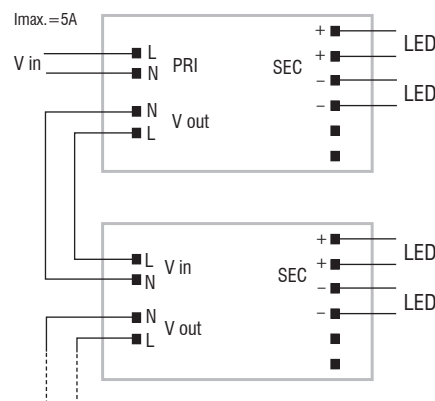
 **IP 20**  **SCREW FIXING**  Ø60 2,36" 

Weight - Peso:  
gr. 130 / 4,58 oz.  
Pcs - Pezzi 20



### Wiring diagram - Schema di collegamento

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



### Features

- Double input terminal blocks to loop other driver.
- IP20 independent driver, for indoor use.
- Class II protection against electric shock for direct or indirect contact.
- Supplied with terminal cover and cable retainer.
- Input and output terminal blocks on opposite sides.
- Double terminal block on primary and secondary circuits (wire cross-section up to 2,5 mm<sup>2</sup> / AWG13).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 3 mm - max. 8 mm.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

### Caratteristiche

- Doppia morsetteria lato rete per rimando ad altro alimentatore.
- Alimentatore indipendente IP20, per uso interno.
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti.
- Fornito di coprimorsetto e serracavo.
- Morsetti di entrata e uscita contrapposti.
- Doppia morsetteria su primario e secondario (sezione cavo fino a 2,5 mm<sup>2</sup> / AWG13).
- Serracavo su primario e secondario per cavi di diametro: min. 3 mm - max. 8 mm.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.

**7 YEARS WARRANTY**  
3% FAILURE RATE

**10 YEARS WARRANTY**  
5% FAILURE RATE

PRODUCER'S LIABILITY  
TCI

10 YEARS WARRANTY  
ACCORDING TO THE CONTRACTOR'S CONDITIONS

5.1.1

Constant voltage drivers - Compact case - Not dimmable  
Alimentatori a tensione costante - Formato compatto - Non regolabili