

# MP 15 HPFU

Direct current electronic drivers with DIP-SWITCH  
Alimentatori elettronici in corrente continua con DIP-SWITCH

Made in Italy 

constant CURRENT

100 M M EL SELV 60V

RIPPLE FREE



1-2KV DIFF. 2KV COMM. ACTIVE PFC DIP-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)  
170 ÷ 280 V

**Power - Potenza**  
0 ÷ 15 W

**iTHD**  
≤ 40% <sup>(1)</sup>

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

**Standards compliance**

- CSA 22.2 No. 250.13
- EN 50172 (VDE0108)
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- UL 1310
- UL 8750
- VDE 0710-T14

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

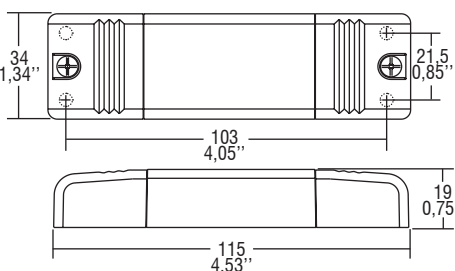
**In rush current**  
27A 250µsec

| 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> |
|-------------------------|----------------|---------------------------|----------------------------|--------------|------------|-----------|----------|---------------------------|-------------------------------------|
| MP 15 HPFU              | 127710         | 2,5 (2,5 <sup>(2)</sup> ) | 2...41,5                   | 60 mA cost.  | 44         | -25...+45 | 70       | 0,80 C <sup>(3)</sup>     | 85                                  |
|                         |                | 3,3 (3,3 <sup>(2)</sup> ) | 2...41,5                   | 80 mA cost.  |            |           |          |                           |                                     |
|                         |                | 4,1 (4,1 <sup>(2)</sup> ) | 2...41,5                   | 100 mA cost. |            |           |          |                           |                                     |
|                         |                | 5 (5 <sup>(2)</sup> )     | 2...41,5                   | 120 mA cost. |            |           |          |                           |                                     |
|                         |                | 5,8 (5,8 <sup>(2)</sup> ) | 2...41,5                   | 140 mA cost. |            |           |          |                           |                                     |
|                         |                | 6,6 (6,6 <sup>(2)</sup> ) | 2...41,5                   | 160 mA cost. |            |           |          |                           |                                     |
|                         |                | 7,4 (7,4 <sup>(2)</sup> ) | 2...41,5                   | 180 mA cost. |            |           |          |                           |                                     |
|                         |                | 8,3 (8,3 <sup>(2)</sup> ) | 2...41,5                   | 200 mA cost. |            |           |          |                           |                                     |
|                         |                | 9,1 (9,1 <sup>(2)</sup> ) | 2...41,5                   | 220 mA cost. |            |           |          |                           |                                     |
|                         |                | 10 (10 <sup>(2)</sup> )   | 2...41,5                   | 240 mA cost. |            |           |          |                           |                                     |
|                         |                | 10,8 (10 <sup>(2)</sup> ) | 2...41,5                   | 260 mA cost. |            |           |          |                           |                                     |
|                         |                | 11,6 (10 <sup>(2)</sup> ) | 2...41,5                   | 280 mA cost. |            |           |          |                           |                                     |
|                         |                | 12,4 (10 <sup>(2)</sup> ) | 2...41,5                   | 300 mA cost. |            |           |          |                           |                                     |
|                         |                | 13,2 (10 <sup>(2)</sup> ) | 2...41,5                   | 320 mA cost. |            |           |          |                           |                                     |
|                         |                | 14,1 (10 <sup>(2)</sup> ) | 2...41,5                   | 340 mA cost. |            |           |          |                           |                                     |
| 15 (10 <sup>(2)</sup> ) | 2...41,5       | 360 mA cost.              |                            |              |            |           |          |                           |                                     |

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

<sup>(3)</sup> λ: 0,80 C @220...240 Vac @Pmax  
λ > 0,75 C @220...240 Vac @P > 5W  
λ: 0,83 C @100...127 Vac @Pmax  
λ > 0,75 C @100...127 Vac @P > 3,5W

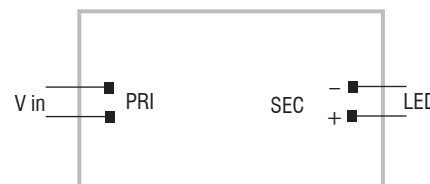
IP 20 SCREW FIXING Ø40 1,57"



Weight - Peso:  
gr. 65 / 2,3 oz.  
Pcs - Pezzi 50

**Wiring diagram - Schema di collegamento**

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



**Features**

- **Active Power Factor Corrector.**
- Multipower driver supplied with dip-switch for the selection of the output current.
- 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 (wire cross-section up to 2,5 mm<sup>2</sup> / AWG13).
- Single terminal block on primary and secondary circuit.
- Clamping screws on primary and secondary circuits for cables with diameter: min. 3 mm - max. 8 mm.
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Current regulation ± 5 % including temperature variations.

**Caratteristiche**

- **PFC attivo.**
- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- 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 (sezione cavo fino a 2,5 mm<sup>2</sup> / AWG13).
- Singola morsettiera su primario e secondario.
- Serracavo su primario e secondario per cavi di diametro: min. 3 mm - max. 8 mm.
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Corrente regolata ± 5 % incluse variazioni termiche.

2.1

Multipower DIP-SWITCH drivers - Compact case  
Alimentatori multipotenza con DIP-SWITCH - Formato compatto

7 YEARS WARRANTY 3% FAILURE RATE  
10 YEARS WARRANTY 5% FAILURE RATE  
PRODUCER'S LIABILITY  
10 YEARS WARRANTY TO THE CONTRACTOR