

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

Made in Italy 

constant  
**CURRENT**

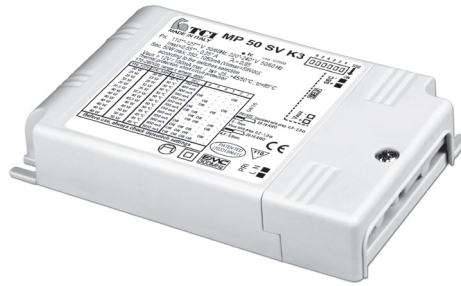
**RIPPLE  
FREE**

Pst LM ≤ 1  
SVM ≤ 0,4

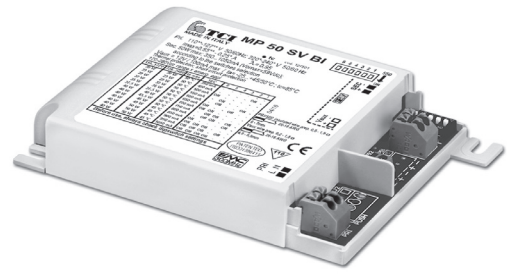
ERC   05  110  EL **SELV 60V**

2.1

Multipower drivers - Compact case - Not dimmable  
Alimentatori multipotenza - Formato compatto - Non regolabili



MP 50 SV K3



MP 50 SV BI

3.5kV DIFF.  
4kV COMM.

ACTIVE  
PFC

DIP-SWITCH

12V AUX.  
100 mA

SEC. SWITCH

SAFETY  
PROTECTIONS

**Rated Voltage**  
**Tensione Nominale**

110 ÷ 127 V<sup>(2)</sup>

220 ÷ 240 V

**Frequency**  
**Frequenza**

50-60 Hz

**AC Operation range**  
**Tensione di utilizzo AC**

99 ÷ 264 V

**DC Operation range**  
**Tensione di utilizzo DC**  
(see page info15)

170 ÷ 280 V

**Power - Potenza**

1 ÷ 50 W

**iTHD**

≤ 15%<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)

15 pcs

**In rush current**  
20A 400μsec

| 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 50 SV K3<br>MP 50 SV BI | 127500<br>127501 | 20 (20 <sup>(2)</sup> )     | 10...58                    | 350 mA cost. | 60         | -25...+50 | 85       | 0,95                      | > 89 %                              |
|                            |                  | 23 (23 <sup>(2)</sup> )     | 10...58                    | 400 mA cost. |            |           |          |                           |                                     |
|                            |                  | 29 (29 <sup>(2)</sup> )     | 10...58                    | 500 mA cost. |            |           |          |                           |                                     |
|                            |                  | 32 (32 <sup>(2)</sup> )     | 10...58                    | 550 mA cost. |            |           |          |                           |                                     |
|                            |                  | 35 (35 <sup>(2)</sup> )     | 10...58                    | 600 mA cost. |            |           |          |                           |                                     |
|                            |                  | 37,5 (37,5 <sup>(2)</sup> ) | 10...58                    | 650 mA cost. |            |           |          |                           |                                     |
|                            |                  | 40 (40 <sup>(2)</sup> )     | 10...58                    | 700 mA cost. |            |           |          |                           |                                     |
|                            |                  | 43,5 (40 <sup>(2)</sup> )   | 10...58                    | 750 mA cost. |            |           |          |                           |                                     |
|                            |                  | 46 (40 <sup>(2)</sup> )     | 10...58                    | 800 mA cost. |            |           |          |                           |                                     |
|                            |                  | 49 (40 <sup>(2)</sup> )     | 10...58                    | 850 mA cost. |            |           |          |                           |                                     |
|                            |                  | 50 (40 <sup>(2)</sup> )     | 10...55                    | 900 mA cost. |            | -25...+45 |          |                           |                                     |
|                            |                  | 50 (40 <sup>(2)</sup> )     | 10...52                    | 950 mA cost. |            |           |          |                           |                                     |
|                            |                  | 50 (40 <sup>(2)</sup> )     | 10...47                    | 1,05 A cost. |            |           |          |                           |                                     |

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

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

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

#### Features

- Multipower driver supplied with dip-switch for the selection of the output current.
- IP20 independent driver, for indoor use (MP 50 SV K3).
- Class II protection against electric shock for direct or indirect contact (MP 50 SV K3).
- Driver for built-in use (MP 50 SV BI).
- It can be used for lighting equipment in protection class I and II (MP 50 SV BI).
- Active Power Factor Corrector.
- Auxiliary output 12 V max. 100 mA.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on the same side (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 (MP 50 SV K3).
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Thermal protection = C.5.a.

#### Caratteristiche

- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- Alimentatore indipendente IP20, per uso interno (MP 50 SV K3).
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti (MP 50 SV K3).
- Alimentatore da incorporare (MP 50 SV BI).
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II (MP 50 SV BI).
- PFC attivo.
- Uscita ausiliare 12 V max. 100 mA.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 2,5 mm<sup>2</sup> / AWG13).
- Serraggio su primario e secondario per cavi di diametro: min. 3 mm - max. 8 mm (MP 50 SV K3).
- Fissaggio dell'alimentatore tramite arole per viti.
- 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<sup>LED</sup>

WARRANTY 10 YEARS  
ACCORDING TO  
THE EUROPEAN  
CONDITIONS

# MP 50 SV K3 - SELV 60 V

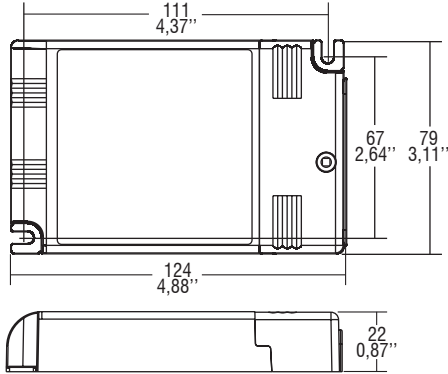


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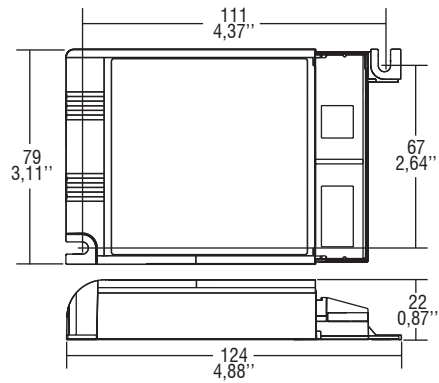
**IP 20** **SCREW FIXING** Ø84 3,31" Weight - Peso gr. 205 / 7,2 oz.  
Pcs - Pezzi 50

Compatible with ZHAGA (AM3)

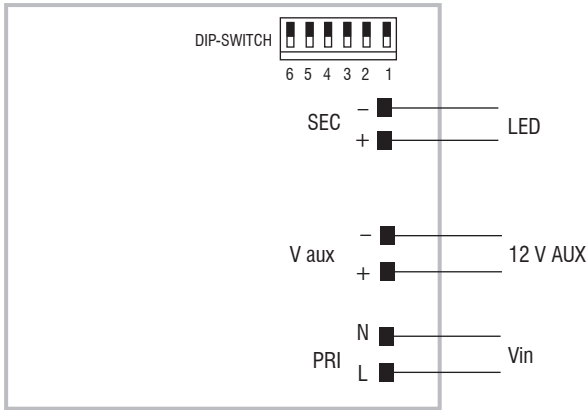


**BUILT-IN** **SCREW FIXING** Weight - Peso gr. 189 / 6,7 oz.  
Pcs - Pezzi 50

Compatible with ZHAGA (AM3)



**Wiring diagram - Schema di collegamento** (Max. LED distance on page info8 - Massima distanza LED a pagina info8)



2.1

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