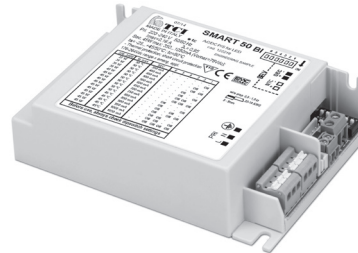


2.1

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



SMART 50



SMART 50 BI



**Rated Voltage**  
**Tensione Nominale**  
 220 ÷ 240 V

**Frequency**  
**Frequenza**  
 50-60 Hz

**AC Operation range**  
**Tensione di utilizzo AC**  
 198 ÷ 264 V

**DC Operation range**  
**Tensione di utilizzo DC**  
 (see page info15)  
 196 ÷ 250 V

**Power - Potenza**  
 5 ÷ 50 W

**iTHD**  
 ≤ 30% <sup>(1)</sup>

**Output current ripple**  
 ± 20% <sup>(1)</sup>

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

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

**In rush current**  
 5A 50μsec

| Article<br>Articolo     | Code<br>Codice          | P out<br>W   | V out<br>DC | 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> |
|-------------------------|-------------------------|--------------|-------------|--------------|------------|-----------|----------|---------------------------|-------------------------------------|
| SMART 50 <sup>(2)</sup> | 122220                  | 27           | 18...78     | 350 mA cost. | 85         | -25...+50 | 90       | 0,95                      | > 90 %                              |
|                         | 122220CC <sup>(3)</sup> | 31           | 18...78     | 400 mA cost. |            |           |          |                           |                                     |
| SMART 50 BI             | 122219                  | 35           | 18...78     | 450 mA cost. |            |           |          |                           |                                     |
|                         |                         | 39           | 18...78     | 500 mA cost. |            |           |          |                           |                                     |
|                         | 122219CC <sup>(3)</sup> | 43           | 18...78     | 550 mA cost. |            |           |          |                           |                                     |
|                         |                         | 45           | 18...75     | 600 mA cost. |            |           |          |                           |                                     |
|                         |                         | 47           | 18...72     | 650 mA cost. |            |           |          |                           |                                     |
|                         |                         | 50           | 18...71     | 700 mA cost. |            |           |          |                           |                                     |
|                         |                         | 50           | 18...66     | 750 mA cost. |            |           |          |                           |                                     |
|                         |                         | 50           | 18...62     | 800 mA cost. |            |           |          |                           |                                     |
| 50                      | 18...59                 | 850 mA cost. | -25...+45   |              |            |           |          |                           |                                     |
| 50                      | 18...55                 | 900 mA cost. |             |              |            |           |          |                           |                                     |
| 50                      | 18...53                 | 950 mA cost. |             |              |            |           |          |                           |                                     |
| 50                      | 18...50                 | 1 A cost.    | 85          | -25...+45    |            | 90        |          |                           |                                     |
| 50                      | 18...48                 | 1,05 A cost. |             |              |            |           |          |                           |                                     |

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

<sup>(3)</sup> With conformal coating - Con tropicalizzazione

**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 (SMART 50).
- Class I protection against electric shock for direct or indirect contact (SMART 50).
- Driver for built-in use (SMART 50 BI).
- Active Power Factor Corrector.
- It can be used for lighting equipment in protection class I.
- Analogical input (NTC) for thermal sensor connection.
- Current regulation ±5 % including temperature variations.
- Input and output terminal blocks on the same side (wire cross-section up to 1,5 mm<sup>2</sup> / AWG15).
- Clamping screws on primary and secondary circuits for cables with diameter: min. 2 mm - max. 9 mm (SMART 50).
- 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

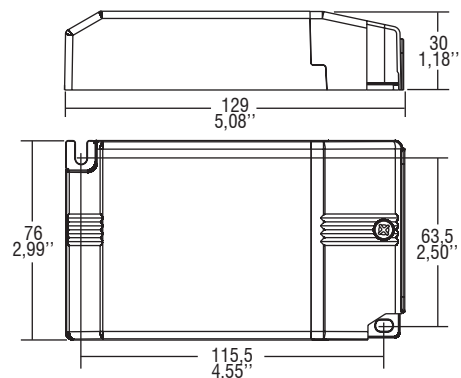
- Alimentatore multipotenza fornito di dip-switch per la selezione della corrente in uscita.
- Alimentatore indipendente IP20, per uso interno (SMART 50).
- Protetto in classe I contro le scosse elettriche per contatti diretti e indiretti (SMART 50).
- Alimentatore da incorporare (SMART 50 BI).
- PFC attivo.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I.
- Entrata analogica (NTC) per connessione sensore termico.
- Corrente regolata ±5 % incluse variazioni di temperatura.
- Morsetti di entrata e uscita sullo stesso lato (sezione cavo fino a 1,5 mm<sup>2</sup> / AWG15).
- Serracavo su primario e secondario per cavi di diametro: min. 2 mm - max. 9 mm (SMART 50).
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Protezione termica = C.5.a.



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

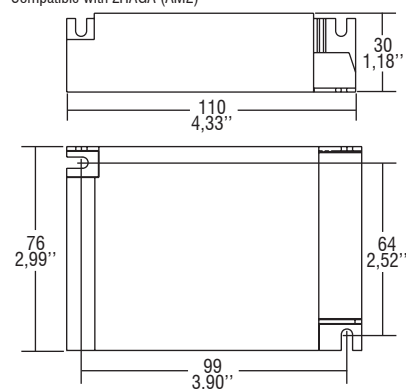
Made in Italy

**IP 20** **SCREW FIXING**  $\varnothing 90$  3.54" Weight - Peso gr. 235 / 8,3 oz.  
Pcs - Pezzi 35

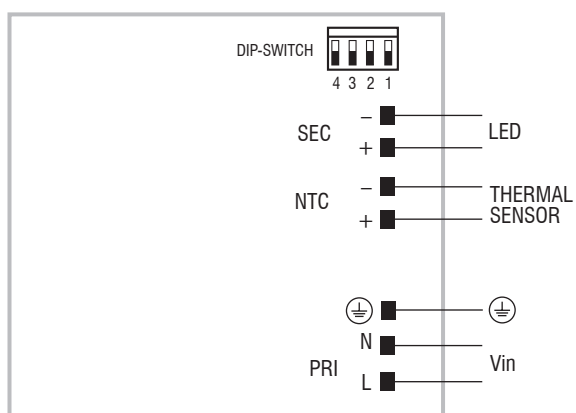


**BUILT-IN** **SCREW FIXING** Weight - Peso gr. 166 / 5,86 oz.  
Pcs - Pezzi 40

Compatible with ZHAGA (AM2)



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



**2.1**

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