# STM/U

**Direct current electronic drivers**
**Alimentatori elettronici in corrente continua**

Made in Italy

constant CURRENT | constant VOLTAGE

IS 15885 (Part 2 / Sec 13) (6) R - 41049751 | DAMP LOCATION | UL-CLASS2 (3) CSA-LVLE | 05 | KEMA KEUR | (5) | 100

RIPPLE FREE | Pst LM ≤ 1 SVM ≤ 0,4

M M | EL | SELV 60V

NOT INTENDED FOR END-USER



1÷2kV DIFF. 2kV COMM. | SEC. SWITCH | SAFETY PROTECTIONS

| Article<br>Articolo | Code<br>Codice | P out<br>W | V out<br>DC(1) | I out<br>DC | U out<br>V | ta<br>°C | tc<br>°C | λ max.<br>Power Factor | η max.<br>Efficiency(1) |
|---|---|---|---|---|---|---|---|---|---|
| **DC 3W 125mA STM/U** | 122814 | 3 | 2...23 | 125 mA cost. | 24 | -25...+60 | 75 | 0,6 C | 70 % |
| **DC 6W 150mA STM/U** (3) | 122799 | 6 | 2...40 | 150 mA cost. | 44 | -25...+55 | 75 | 0,6 C | 70 % |
| **DC 6W 250mA STM/U** (3)(5) | 122812 | 6 | 2...23 | 250 mA cost. | 25 | -25...+60 | 80 | 0,6 C | 73 % |
| **DC 8W 350mA STM/U** (3)(5)(7) | 122811 | 6/8(2) | 2...23 | 350 mA cost. | 25 | -25...+55(2)/60 | 80 | 0,6 C | 77 % |
| **DC 6W 500mA STM/U** (3)(5)(7) | 122813 | 6 | 2...11,5 | 500 mA cost. | 13 | -25...+55 | 75 | 0,6 C | 73 % |
| **DC 6W 700mA STM/U** (3)(5) | 122815 | 6 | 2...8,5 | 700 mA cost. | 13 | -25...+50 | 70 | 0,6 C | 73 % |

(1) Referred to $V_{in}$ = 230 V, 100% load - Riferito a $V_{in}$ = 230 V, carico 100%
(6) 122814BIS - 122799BIS - 122812BIS - 122811BIS - 122813BIS - 122815BIS:
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**

**Rated Voltage**
**Tensione Nominale**
100 ÷ 127 V (3)
100 ÷ 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 ÷ 264 V

**Power - Potenza**
0 ÷ 8 W

**iTHD**
≥ 90% (1)

**Output current ripple**
≤ 3% (1)

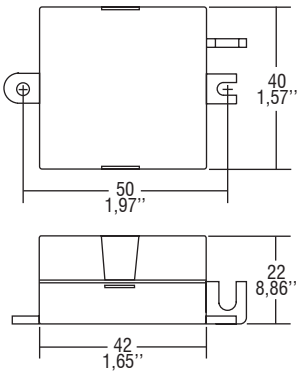
**Standards compliance**
CSA C22.2 no. 223 (3)
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384
UL 1310 (3)
UL 8750 (3)
VDE 0710-T14

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

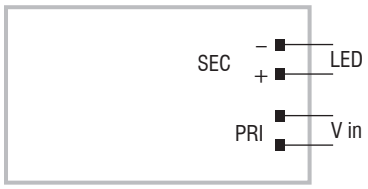
**In rush current**
20A 170$\mu$sec

BUILT-IN | SCREW FIXING

Weight - Peso: gr. 35 / 1,23 oz.
Pcs - Pezzi 90




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




**Features**
- Suitable for professional luminaries for stage lighting and studios or similar.
- Driver for built-in use.
- Input and output terminal blocks on the same side.
- Single terminal at the primary and secondary circuit (wire cross-section up to 2,5 mm² / AWG13).
- Ultra compact size.
- It can be used for lighting equipment in protection class I and II.
- Driver can be secured with slot for screws.
- Protections:
  - against overheating and short circuits;
  - against mains voltage spikes;
  - against overloads.
- Current regulation -8 % +5 % including temperature variations.

**Caratteristiche**
- Idoneo per apparecchi d'illuminazione professionale per luci di scena, studi o similari.
- Alimentatore da incorporare.
- Morsetti di entrata e uscita sullo stesso lato.
- Singolo morsetto su primario e secondario (sezione cavo fino a 2,5 mm² / AWG13).
- Dimensioni molto ridotte e compatte.
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II.
- Fissaggio dell'alimentatore tramite asole per viti.
- Protezioni:
  - termica e cortocircuito;
  - contro le extra-tensioni di rete;
  - contro i sovraccarichi.
- Corrente regolata -8 % + 5 % incluse variazioni di temperatura.

7 YEARS WARRANTY 3% FAILURE RATE | 10 YEARS WARRANTY 5% FAILURE RATE

PRODUCER'S LIABILITY TCI | POWERED WITH ELECTRONICS WARRANTY 10 YEARS 10 ACCORDING TO TCI CATALOGUE CONDITIONS