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



#### Made in Europe



**SELV**



 

**FREE**

**RIPPLE**



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

**Frequency Frequenza** 50...60 Hz

**5.1.1**

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

Constant voltage drivers - Compact case - Switchable Alimentatori a tensione costante - Formato compatto - Non regolabili

**DC Operation range Tensione di utilizzo DC** DC 176 ÷ 264 V

(NO 150 W)

#### Power Potenza

0 ÷ 150 W

#### Output current ripple

≤ 3%(1)

**Reference Norms Norme di riferimento** EN 50172 (VDE 0108)

EN 55015

EN 61000-3-2

EN 61000-3-3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Article Articolo** | **Code Codice** | **P out W** | **V out DC** | **I out DC** | **ta**  **°C** | **tc**  **°C** |  **max.**  **Power Factor** |  **max.**  **Efficiency**(1) |
| **DC 50W 24V VST BI** | 122772 | 50 | 24 | 2 A max. | -40...+45 | 70 | 0,97 | > 90 |
| **DC 50W 12V VST BI** | 122776 | 50 | 12 | 4,2 A max. | -40...+45 | 70 | 0,97 | > 88 |
| **DC 50W 48V VST BI** | 122780 | 50 | 48 | 1 A max. | -40...+45 | 70 | 0,97 | > 90 |
| **DC 70W 24V VST BI**(3) | 122770 | 70(3) | 24 | 2,9 A max. | -40...+45 | 70 | 0,97 | > 91 |
| **DC 70W 12V VST BI** | 122778 | 70 | 12 | 5,8 A max. | -40...+45 | 70 | 0,97 | > 89 |
| **DC 70W 48V VST BI** | 122782 | 70 | 48 | 1,45 A max. | -40...+45 | 70 | 0,97 | > 91 |
| **DC 150W 24V VST BI** | 122774 | 150 | 24 | 6,25 A max. | -40...+45 | 75 | 0,98 | > 94 |
| **DC 150W 48V VST BI**(2) | 122784 | 150 | 48 | 3 A max. | -40...+45 | 75 | 0,98 | > 94 |

(1) Referred to Vin = 230 V, 100% load - Riferito a Vin = 230 V, carico 100%

(2) Without KEMA - Senza KEMA

|  |  |
| --- | --- |
| **Accessories not supplied - Accessori non a corredo** | |
| **Article - Articolo** | **Code - Codice** |
| dimmer **SED 4.5A R57** (pag. 280) | 120300 |

(3) Load allowed up to 75 W - Carico massimo 75 W



EN 61347-1

EN 61347-2-13

EN 61547 VDE 0710-T14

#### Max. pcs for CB B16A

(see page info17) 15 pcs

#### In rush current

15A 600µsec

#### Max. pcs for CB B16A

(see page info17) 8 pcs (for **DC 150**)

**In rush current** 35A 100µsec (for **DC 150**)

#### Features

• AC/DC electronic driver with output in voltage, specific for installations in compliance with the standards of lighting applications.

• Driver for built-in use.

• It can be used for lighting equipment in protection class I.

• Input and output terminal blocks on opposite sides.

• Single terminal block on primary (wire cross-section up to 0,5 - 2,5 mm2 / AWG20 - AWG13).

• Double terminal blocks on secondary (wire cross-section up to 0,5 - 2,5 mm2 / AWG20 - AWG13).

• Protections:

* against overheating and short circuits;
* against mains voltage spikes;
* against overloads.

#### Caratteristiche

• Alimentatore elettronico tipo AC/DC con uscita in tensione specifico per installazioni con Norme settore illuminazione.

• Alimentatore da incorporare.

• Utilizzabile per apparecchi di illuminazione in classe di protezione I.

• Morsetti di entrata e uscita contrapposti.

• Singola morsettiera su primario (sezione cavo fino a 0,5 - 2,5 mm2 / AWG20 - AWG13).

• Doppia morsettiera su secondario (sezione morsetto 0,5 - 2,5 mm2 / AWG20 - AWG13).

• Protezioni:

* termica e cortocircuito;
* contro le extra-tensioni di rete;
* contro i sovraccarichi.



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#### Made in Europe

60

2,36’’

Weight - Peso gr. 260 / 9,17 oz. Pcs - Pezzi 20

DC 50W 24V VST-BI DC 50W 48V VST-BI DC 70W 24V VST-BI DC 70W 48V VST-BI



60

2,36’’

Weight - Peso gr. 300 / 10,58 oz. Pcs - Pezzi 20

DC 50W 12V VST-BI DC 70W 12V VST-BI DC 150W 24V VST-BI DC 150W 48V VST-BI



178

7,00’’

194

7,64’’



49

1,93’’

206

8,11’’

186

7,32’’



36

1,42’’

190

7,48’’

170

6,69’’

|  |  |
| --- | --- |
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|  |  |

**Wiring diagrams - Schemi di collegamento** (Max. LED distance at page info8 - Massima distanza LED a pagina info8)



N L

\_

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OUT +

+

V in

LED

#### Example of application - Esempio di applicazione

**5.1.1**

Constant voltage drivers - Compact case - Switchable Alimentatori a tensione costante - Formato compatto - Non regolabili

V in



+\_

R

\_ **LV RGB** G

\_

**350**

B

+\_

R

\_ **LV RGB** G

\_ **350**

B

**VST**

N

L

\_

\_ OUT +

+

1...6 LED

1...6 LED

1...6 LED

1...6 LED

1...6 LED

1...6 LED