

Direct current dimmable (TRAILING EDGE-LEADING EDGE) electronic drivers  
Alimentatori elettronici dimmerabili (IGBT-TRIAC) in corrente continua

Made in Italy



DIM-TO-WARM



MICRO MD



MICRO MD BI



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

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

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

**Power - Potenza**  
3 ÷ 10 W

**iTHD**  
≤ 10% <sup>(1)</sup>

**Output current ripple**  
≤ 20% <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  
VDE 0710-T14

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

**In rush current**  
2A 50μsec

| Article<br>Articolo                                   | Code<br>Codice | P<br>out<br>W | V out<br>DC<br>no dimming | V out<br>DC<br>dimming | I out<br>DC  | U<br>out<br>V | ta<br>°C  | tc<br>°C | I max.<br>Power<br>Factor | h max.<br>Efficiency <sup>(1)</sup> |
|-------------------------------------------------------|----------------|---------------|---------------------------|------------------------|--------------|---------------|-----------|----------|---------------------------|-------------------------------------|
| Constant current output - Uscita in corrente costante |                |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 180                                          | 127106         | 6             | 25...36                   | 28...36                | 180 mA cost. | 50            | -25...+45 | 70       | 0,96                      | > 82 %                              |
| MICRO MD 180 BI                                       | 127107         |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 250                                          | 127048         | 7             | 12...28                   | 14...28                | 250 mA cost. | 35            | -25...+45 | 70       | 0,96                      | > 82 %                              |
| MICRO MD 250 BI                                       | 127049         |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 270                                          | 127108         | 10            | 22...36                   | 25...36                | 270 mA cost. | 50            | -25...+45 | 70       | 0,96                      | > 82 %                              |
| MICRO MD 270 BI                                       | 127109         |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 350                                          | 127040         | 10            | 8,5...28                  | 12...28                | 350 mA cost. | 35            | -25...+45 | 70       | 0,9 C - 0,96              | > 82 %                              |
| MICRO MD 350 BI                                       | 127041         |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 500                                          | 127042         | 10            | 6...20                    | 9...20                 | 500 mA cost. | 35            | -25...+45 | 70       | 0,9 C - 0,96              | > 82 %                              |
| MICRO MD 500 BI                                       | 127043         |               |                           |                        |              |               |           |          |                           |                                     |
| MICRO MD 700                                          | 127046         | 10            | 3...14                    | 6...14                 | 700 mA cost. | 25            | -25...+45 | 70       | 0,8 C - 0,96              | > 82 %                              |
| MICRO MD 700 BI                                       | 127047         |               |                           |                        |              |               |           |          |                           |                                     |

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

<sup>(2)</sup> Not for "BI" models - Non per modelli "BI"

Accessories not supplied - Accessori non a corredo

| Article - Articolo | Code - Codice |
|--------------------|---------------|
| ETDU29 (12.2)      | 180426        |
| ETD2E9 (12.2)      | 180427        |



ETD2E9



ETDU29

### Features

- IP20 independent driver, for indoor use (MICRO MD).
- Class II protection against electric shock for direct or indirect contact (MICRO MD).
- Driver for built-in use (MICRO MD BI).
- It can be used for lighting equipment in protection class I and II (MICRO MD BI).
- Active Power Factor Corrector.
- Current regulation  $\pm 8$  % including temperature variations.
- Supplied with terminal cover and cable retainer (MICRO MD).
- 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. 3 mm - max. 8 mm (MICRO MD).
- 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 indipendente IP20, per uso interno (MICRO MD).
- Protetto in classe II contro le scosse elettriche per contatti diretti e indiretti.
- Alimentatore da incorporare (MICRO MD BI).
- Utilizzabile per apparecchi di illuminazione in classe di protezione I e II (MICRO MD BI).
- PFC attivo.
- Corrente regolata  $\pm 8$  % incluse variazioni di temperatura.
- Fornito di coprimorsetto e serracavo (MICRO MD).
- 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. 3 mm - max. 8 mm (MICRO MD).
- 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.



3.1.3

Dimmable multipower drivers - Compact case - PHASE CUT  
Alimentatori multipotenza regolabili - Formato compatto - TAGLIO DI FASE

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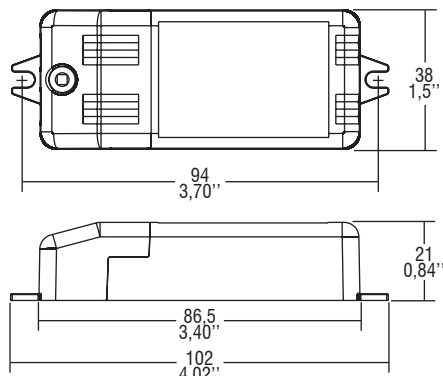


**IP 20**



**SCREW  
FIXING**

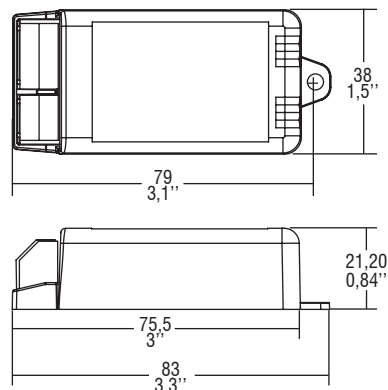
Weight - Peso: gr. 68 / 2,4 oz.  
Pcs - Pezzi 60



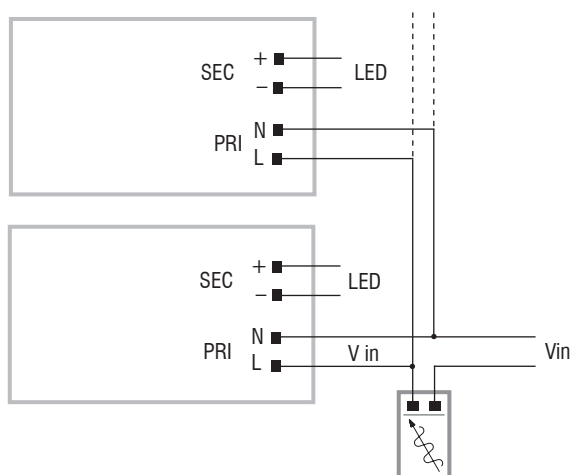
**BUILT-IN**



Weight - Peso gr. 58 / 2,1 oz.  
Pcs - Pezzi 60



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



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