# Dimmable LED drivers – CCBXD Multicurrent DALI/PUSH

## Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

**Made in Italy**

| Part number<br>Codice prodotto | P out W<br>@230V | V out LED @230V<br>Min | <br>Max | I out DC<br>(mA) | λ Power<br>Factor | Efficiency<br>@230V Full load | ta<br>°C | tc<br>°C |
|---|---|---|---|---|---|---|---|---|
| A40CCBXL60DB | 60 | 30 | 85 | 250÷750 | 0,96 | > 89% | -10…+40 | 80 |
| A40CCBXH60DB | 60 | 10 | 48 | 800÷1500 | 0,96 | > 89% | -10…+40 | 80 |

## Features

- **IP20** independent driver
- Output in steady current 250÷1500mA ± 5% settable by DIP-Switches (See the table in page 3)
- Supplied with terminal cover and cable retainer
- Class II protection against electric shock for direct or indirect contact
- Self-resetting protection against overtemperatures, open circuit and output short circuits

## Caratteristiche

- Alimentatore indipendente **IP20**
- Uscita in corrente costante 250÷1500mA ± 5%programmabile con DIP-Switches (Vedere tabella a pagina 3)
- Fornito di coprimorsetto e serracavo
- Protezione in classe II contro le scosse elettriche per contatti diretti e indiretti
- Protezione auto ripristinante contro le sovratemperature, il circuito aperto e il corto-circuito sul secondario

**Directives / Direttive:**
2014/35/EU (LVD); 2014/30/EU (EMC); RoHs 2011/65/EU + 2015/863/EU (RoHs)
2009/125/ ECODESIGN regulation (EU) N° 2019/2020 and 341/2021 amendment

**Standards compliance:**
**Conformità alle norme:**
EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021
EN 55015:2019 + A1:2020; EN 61000-3-3:2013 + A1:2019; EN 61457:2009;
EN IEC 61000-3-2:2019 + A1:2021 + A1:2024
EN 63000:2018
EN IEC 62442-3:2022
IEC 62386-102:2014 + A1:2018; EN IEC 62386-207:2018

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| Other electrical data | |
|---|---|
| Nominal input voltage AC | 220-240 Vdc |
| Rated voltage DC | 230 Vdc |
| Mains frequency | 50/60 Hz |
| iTHD | 13,6% |
| Inrush current | 20 A, 20 µs |
| Surge capability (L-N) | > 1 kV |
| | |
| Standby power ($P_{sb}$) | ≤ 0,5 W |
| Networked stanby power (Pnet) | ≤ 0,5 W |
| No-load proof | YES |
| Intended for no-load operation | NO |
| | |
| Output PstLM (Flicker value) | ≤ 1 |
| Output SVM (Stroboscopic effects value) | ≤ 0,4 |
| | |
| Insulation primary/secondary: | Class II SELV 3750V AC |
| Leakage current: | < 0,5 mA |
| | |
| | |
| **Temperatures and operating conditions** | |
| Ambient temperature range | -10…+40 °C |
| Storage temperature range | -25…+60 °C |
| | |
| | |
| **Capabilities** | |
| Dimmable | YES |
| Dimming interface | DALI-2 / PUSH-BUTTON |
| Input selector | Dip-switch |
| Protections | Open load, short-circuit, overload, overtemperature |
| | |
| **Connections** | |
| Cables cross-section (input side) | 0,5-1,5 mm², 13-20 AWG |
| Wire preparation lenght (input side) | 8…9 mm |
| Cables cross-section (output side) | 0,5-1,5 mm², 13-20 AWG |
| Wire preparation lenght (output side) | 8…9 mm |
| Connections | 0,5-1,5 mm² fast connectors |
| Max cables lenght for push-button line | 20m, Ø0,5-1,5 mm² |
| | |
| | |
| | |
| Nominal life-time | 50000h @Ta 40 °C |
| | |

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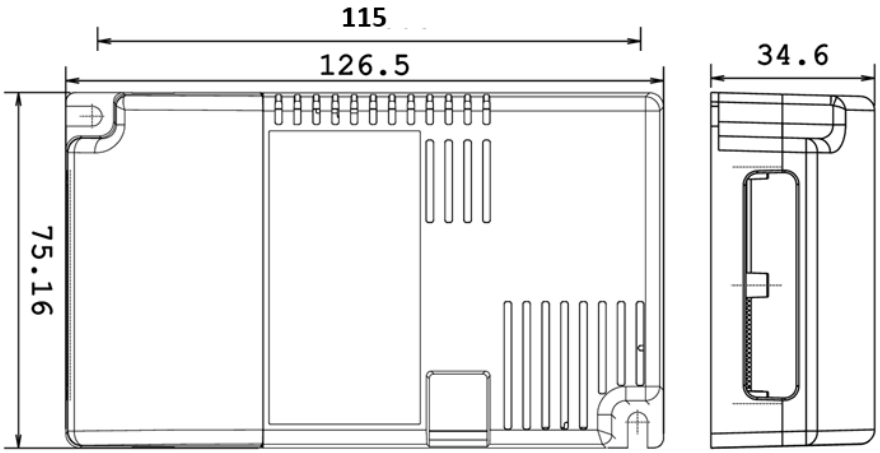
## Product dimensions



## Product weight / piece

| | |
|---|---|
| A40CCBXL60DB | 190 gr. |
| A40CCBXH60DB | 195 gr. |

## Selection current table

**CCBXL60D**

| DIP | Io | Vo(min) | Vo(max) | Po(max) |
|---|---|---|---|---|
| 0000 | 250mA | 55V | 85V | 21W |
| 0010 | 350mA | 35V | 85V | 30W |
| 0101 | 400mA | 35V | 85V | 38W |
| 0111 | 500mA | 35V | 85V | 42W |
| 1001 | 550mA | 35V | 85V | 46W |
| 1011 | 600mA | 35V | 85V | 51W |
| 1101 | 700mA | 35V | 85V | 59W |
| 1111 | 750mA | 30V | 80V | 60W |

**CCBXH60D**

| DIP | Io | Vo(min) | Vo(max) | Po(max) |
|---|---|---|---|---|
| 0001 | 800mA | 25V | 47V | 37W |
| 0011 | 900mA | 20V | 48V | 43W |
| 0101 | 1000mA | 18V | 48V | 48W |
| 0111 | 1100mA | 18V | 48V | 52W |
| 1001 | 1200mA | 12V | 48V | 57W |
| 1011 | 1300mA | 10V | 46V | 60W |
| 1100 | 1400mA | 10V | 42V | 60W |
| 1110 | 1500mA | 10V | 40V | 60W |