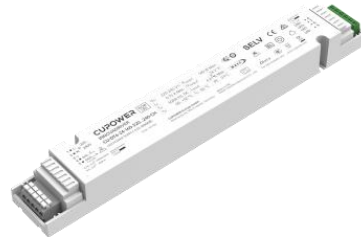


### Product features

- Constant voltage LED driver
- Support DALI-2, Push Dimming
- Usable as DT6 (channel) driver
- Output current 0...6.67 A
- Max. output power 160 W
- DC emergency: Current output default value 15%
- For luminaires with protection class I, II
- 5 years warranty



### Product specifications

161423

CU-DT6-24-160-220...240-CH

| Output current | Input voltage                  | Output voltage | Efficiency @full load | Current accuracy | Power factor | Dimension LxWxH (mm) |
|----------------|--------------------------------|----------------|-----------------------|------------------|--------------|----------------------|
| 0...6.67 A     | 220...240 Vac<br>220...240 Vdc | 24 Vdc         | 92.5%                 | ± 3%             | 0.9          | 309.7x43x30          |

### Electrical specifications

#### Mains voltage supply

|                           |                  |
|---------------------------|------------------|
| Rated input voltage range | 220...240 Vac    |
| Max. input voltage range  | 198...264 Vac    |
| Rated frequency range     | 0/50/60 Hz       |
| Max. input current        | 0.75 A @ 230 Vac |

#### Battery operation

|                       |               |
|-----------------------|---------------|
| DC voltage range      | 220...240 Vdc |
| Max. DC voltage range | 198...276 Vdc |

#### Protection against voltage peaks

|                      |                                   |
|----------------------|-----------------------------------|
| Withstand voltage    | I/p-O/p: 3.75 kVac, < 5 mA 60 sec |
| Mains surge immunity | L-N 1 kV                          |

#### Total harmonic distortion (THD)

|  |     |
|--|-----|
| At rated input voltage range @ full load | 10% |
|--|-----|

### Output data

|                          |  |
|--------------------------|--|
| Output voltage tolerance | ± 3 V at rated input voltage range       |
| Output PWM frequency     | 4000 Hz                                  |
| No load output voltage   | 24 Vdc                                   |
| Ripple output voltage    | 1%                                       |
| Output PstLM             | ≤ 1 at full load @ rated input voltage   |
| Output SVM               | ≤ 0.4 at full load @ rated input voltage |

### Protection functions output side

|                          |     |
|--------------------------|-----|
| Short circuit protection | Yes |
| Over current protection  | Yes |

### Dimming operation and interface

|                           |           |
|---------------------------|-----------|
| Dimming range             | 0.1%~100% |
| Standby power consumption | 0.3 W     |

### Connection terminals

|                       |  |
|-----------------------|--|
| Wire cross section    | Input wire: 0.5...2.5 mm <sup>2</sup> @ Built-in; 0.75...2.5 mm <sup>2</sup> @ Independent<br>Output wire: 1...2.5 mm <sup>2</sup> |
| Wire stripping length | Input wire: 9...10 mm; Output wire: 6...7 mm   |

### Degree of protection

|                   |      |
|-------------------|------|
| Protection rating | IP20 |
|-------------------|------|

### Operating data

|                          |  |
|--------------------------|--|
| Connection terminal type | Input: 45° push in terminal; Output: 0° push in terminal |
| Maximum output current   | 0...6.67 A   |
| Output voltage range     | 24 Vdc   |
| Noise level              | < 20 dB, at full load @ 100 cm distance                  |

### Circuit breaker / Inrush current

|                      |   |     |     |  |     |
|----------------------|---|-----|-----|--|-----|
| MCB loading quantity | Inrush current I <sub>peak</sub> : 42.2 A |     |     | Inrush current T <sub>width</sub> : 534 μs |     |
|                      | MCB type                                  | B10 | C10 | B16  | C16 |
|                      | Units                                     | 2   | 4   | 4  | 7   |

### Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.
- For the push DIM function, please follow our instructions, which can be downloaded from [www.cupower.com](http://www.cupower.com).

### Protection

- Over current protection: Hiccup mode. Protection device will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.
- Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

### Environmental specifications

|                        |  |
|------------------------|--|
| Operating temperature  | -20...+50°C  |
| Storage temperature    | -40...+85°C  |
| Working humidity       | 10%...90%  |
| Store humidity         | 5%...90%   |
| Lifetime               | at Tc 85°C: 50,000 hrs; at Tc 75°C: 100,000 hrs; @ 230 Vac |
| Maximum Tc temperature | 85°C   |

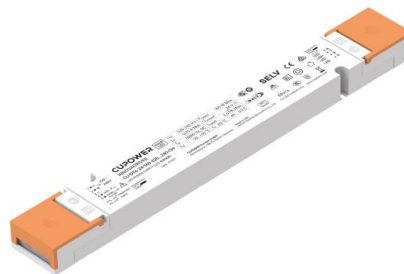
### Safety & EMC compliance

| ENEC+CE        |
|----------------|
| EN IEC 55015   |
| EN IEC 61547   |
| EN IEC 61000-3 |
| EN 61000-3     |
| EN 61347-1     |
| EN 61347-2     |
| EN IEC 62384   |
| EN 61347-1     |
| EN 61347-2     |
| EN 62493       |

| CCC         |
|-------------|
| GB 17625    |
| GB 17743    |
| GB 19510    |
| GB 19510.14 |
|             |
|             |
|             |
|             |
|             |
|             |

| SAA               |
|-------------------|
| AS 61347.2        |
| AS/NZS 61347.1+A1 |
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |
|                   |

### Accessories (optional)



Art. 163526 XZ-CU-B

Driver incl: 2\*XZ-CU-B

| Dimensions             | Length (mm) | Width (mm) | Height (mm) |  |
|------------------------|-------------|------------|-------------|--|
| XZ-CU-B                | 50.5        | 43         | 30          |  |
| Driver incl: 2*XZ-CU-B | 345         | 43         | 30          |  |

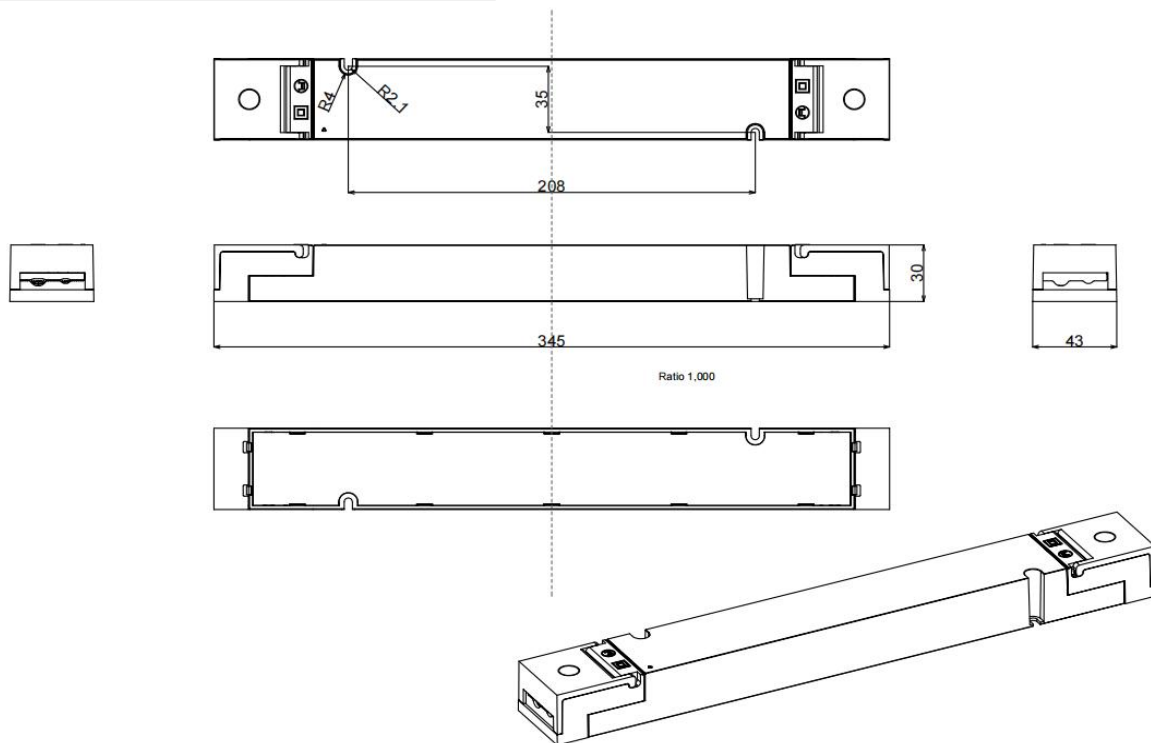
### Dimensions

#### Housing dimensions

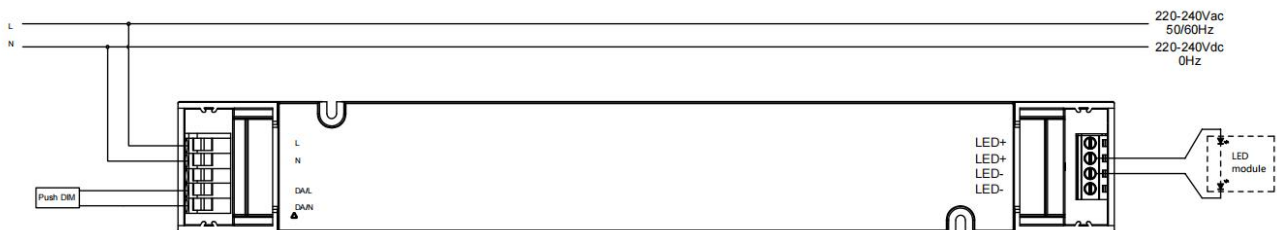
|            |          |
|------------|----------|
| Length (L) | 309.7 mm |
| Width (W)  | 43 mm    |
| Height (H) | 30 mm    |
| Weight     | 0.383 kg |

#### Packaging details

|               |                    |
|---------------|--------------------|
| Packing units | 25 pcs             |
| Carton size   | 355 x 225 x 185 mm |
| Weight        | 10.23 kg           |



### Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5 - 10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

### Technical information

