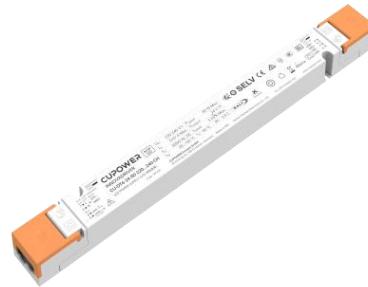


Product features

- Constant voltage LED driver
- Support DALI-2, push dimming
- Supports i-Data function (DALI part 251, 252, 253)
- Usable as DT6 (channel) driver
- Output current 0...3.33 A
- Max. output power 80 W
- DC emergency: Current output default value 15%
- For luminaires with IEC protection class I, II
- Removable strain reliefs included
- 5 year warranty



Product specifications

161430 CU-DT6-24-80-220...240-CH

Output current	Input voltage	Output voltage	Efficiency @ full load	Voltage accuracy	Power factor	Dimension L x W x H (mm)
0...3.33 A	220...240 Vac 220...240 Vdc	24 Vdc	89%	± 3%	0.9	309.0 x 33.0 x 21.0

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	0/50/60 Hz
Performance / Operational safety	47...63 Hz
Max. input current	0.47 A @ 230 Vac & 0.47 A @ 230 Vdc

Battery operation

DC voltage range	220...240 Vdc; performance range
Max. DC voltage range	176...276 Vdc; operational safety range

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV IEC 61000-4-5
Control interface surge immunity	DA - DA, CS - N 1 kV per IEC 61000-4-5

Total harmonic distortion (THD)

At rated input voltage range @ full load	≤ 10%
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Output data

Output voltage tolerance	± 3% at rated input voltage range
No load output voltage	24 Vdc
Output PWM frequency	4000 Hz
Ripple output current	1% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage
DC emergency level	Current output decreased to 15% (programmable range: 1%...100%)

Protection functions output side

Overvoltage 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.
Overpower protection	The output power is less than or equal to 115 W
Short circuit protection	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation and interface

Standby power consumption	0.3 W
Dimming mode	DALI-2, push dimming
Dimming method	Amplitude dimming
Dimming voltage range	0.1%...100%

Connection terminals

Wire cross section mains input	Built-in: 0.5...2.5 mm ² stranded and solid-core; Independent: 0.75...2.5 mm ² stranded and solid-core
Wire cross section control input	Built-in: 0.5...2.5 mm ² stranded and solid-core ; Independent: 0.75...2.5 mm ² stranded and solid-core
Wire cross section output	0.5...1.5 mm ² stranded and solid-core
Wire stripping length	5...6 mm

Degree of protection

Protection rating	IP20
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Operating data

Connection terminal type	Input: 45° push in terminal; Output: 0° push in terminal
Maximum output current	3.33 A
Output power range (P _{rated})	8 - 80 W
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 _{peak} : 20.6 A		Inrush current T _{width} : 382 μs		
	MCB type	B10	C10	B16	C16
	Units	12	20	20	32

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.

Environmental specifications

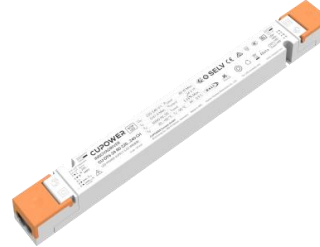
Operating temperature	-20...+50°C
Storage temperature	-40...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 90°C: 50,000 hrs; at Tc 80°C: 100,000 hrs; @ 230 Vac
Maximum Tc temperature	90°C

Safety & EMC compliance

ENEC+CE	CCC	SAA
EN IEC 55015	GB 17625	AS 61347.2
EN IEC 61547	GB 17743	AS/NZS 61347.1+A1
EN IEC 61000-3	GB 19510	
EN 61000-3	GB 19510.14	
EN 61347-1		
EN 61347-2		
EN IEC 62384		
EN 61347-1		
EN 61347-2		
EN 62493		

DALI-2 Acc. to EN 62386
Acc. to IEC 62386-101:Ed2
Acc. to IEC 62386-102:Ed2
Acc. to IEC 62386-207:Ed1
Acc. to IEC 62386-251:Ed2
Acc. to IEC 62386-252:Ed2
Acc. to IEC 62386-253:Ed2
Acc. to IEC 62386-101:Ed2

Accessories



Art. 163519 XZ-CU-A

Driver incl: 2*XZ-CU-A

Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-CU-A	43.2	33	21
Driver incl: 2*XZ-CU-A	345	33	21

Dimensions

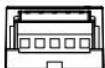
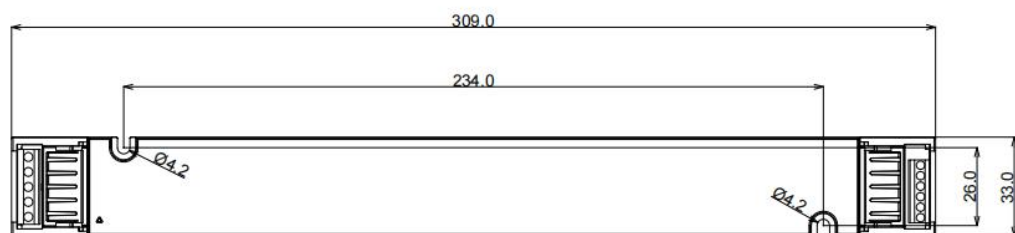
Housing dimensions

Length (L)	309.0 mm
Width (W)	33.0 mm
Height (H)	21.0 mm

For all dimensions: values in mm; tolerances: ± 0.5 mm

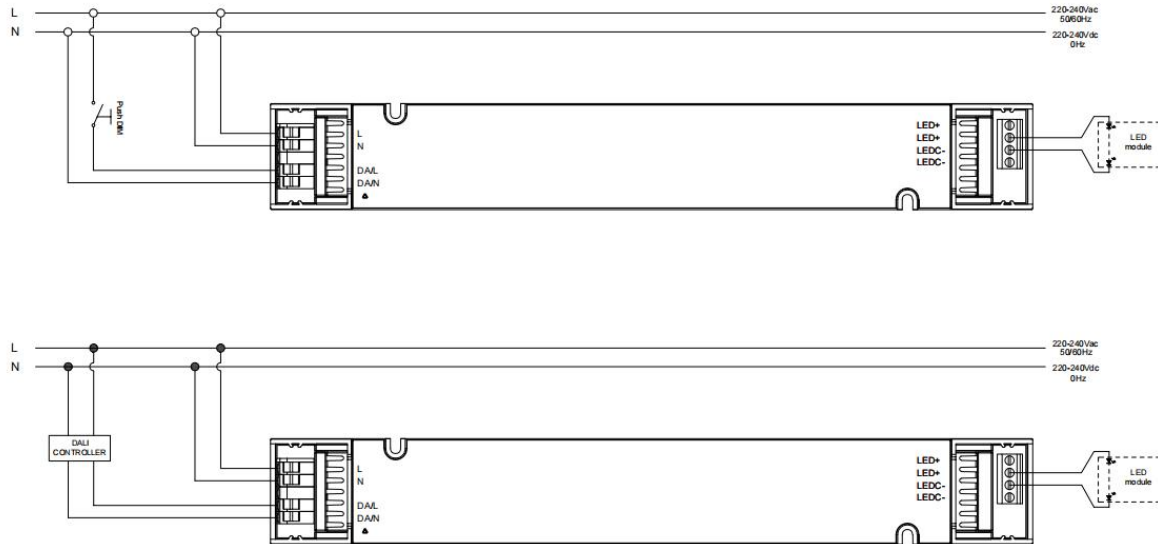
Packaging details

Packing units	25 pcs
Carton size	310 x 175 x 140 mm
Carton weight	5.15 kg
Product weight	0.18 kg



Recommended mounting screw type M4

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 circuits.
- PUSH DIM instruction manual please refer to the link: [CUPOWER_PUSH DIM MANUAL 2024_03](#)

Technical information

