PRODUCT DATASHEET
OTi DALI 210/220-240/24 1-4 CH

CV Power supplies with DALI | CV Power supplies with DALI



Areas of application

- Public squares and architecture lighting
- Suitable for indoor and outdoor SELV installations
- Suitable for use in luminaires of protection class I

Product benefits

- Long lasting and high reliability
- From 1 to 4 channels to arbitrarily distribute the power
- Suitable for installation under sunlight
- IP66/IP67 Salt mist resistant and DC functionality
- AstroDim functionality for automatic dimming and turn on/off

Product features

- 1 to 4 DALI addressable channels
- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- AstroDim functionality
- Dimming range: 0/0, 1…100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- High level surge protection: up to 6 kV (L-N), 8 kV (L/N-PE)
- Inrush current limiter circuit

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TECHNICAL DATA

Electrical data

Nominal wattage	210.00 W
Nominal output power	210 W [1)]
Nominal voltage	230…240 V
Nominal output voltage	24.7 V [2)]
Input voltage AC	198…264 V
Input voltage DC	176…276 V [3)]
U-OUT (working voltage)	24.7 V
Inrush current	3.7 A
Mains frequency	50/60 Hz
Maximum total harmonic distortion	< 5 %
Power factor λ	> 0.95
ECG efficiency	93 %
Device power loss	18.4 W
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	17
Surge capability (L/N-Ground)	8 kV
Surge capability (L-N)	6 kV
Galvanic isolation	SELV
Power loss in stand-by mode	< 0.5 W

1) Lamp failure detection: minimum load per channel that doesn't trigger open circuit detection is 30 W

2) DC voltage

3) with external fuse

Dimensions & Weight

Length	330.00 mm
Mounting hole spacing, length	320,0 mm
Width	69.00 mm
Height	37.00 mm
Cable cross-section, input side	1 mm^2
Cable cross-section, output side	1.5 mm^2
Wire preparation length, input side	8…10 mm
Wire preparation length, output side	8…10 mm
Product weight	1415.00 g

Colors & materials

Casing material	Aluminium

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Body material	Aluminium

Temperatures & operating conditions

Ambient temperature range	-20…+60 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5…85 % [1)]

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h

Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	0…100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Suitable for fixtures with prot. class	I
Type of connection, output side	Wires

Certificates & Standards

Approval marks – approval	BIS / CCC / CE / EAC / ENEC 10 / RCM / VDE / VDE-EMC
Standards	Acc. to EN 61347-2-13 / Acc. to EN 61547 / Acc. to EN 55015 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61347-1 / Acc. to EN 62493
Protection class	1
Type of protection	IP66/IP67

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

Energy labelling regulation data acc EU 2019/2015

Networked standby power for CLS	0.50 W

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply

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	Documents and certificates	Document name
PDF	Declarations of conformity	EU Declaration of Conformity 2019 9C1 3772470 EN 00
PDF	Certificates	VDE ENEC Certificate 40043863
PDF	Certificates	CB TEST CERTIFICATE DE1-62077
PDF	Certificates	OTi DALI 210 CB DE1 63487 280420
PDF	Certificates	OT outdoor ENEC 40050684 100220
PDF	Certificates	VDE EMC Certificate 40038482
PDF	EU Data Act	Connected Products and Related Software and Services

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4062172032087	Folding box 1	361 mm x 81 mm x 84 mm	1415.00 g	2.46 dm^3
4062172032094	Shipping box 6	380 mm x 262 mm x 201 mm	9213.00 g	20.01 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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