

OTi DALI 100/220-240/24 1-4 CH P

CV PROTECTED Power supplies with DALI



Areas of application

- Public squares and architecture lighting
- In building facades, luminous signage
- Suitable for indoor and outdoor SELV installations
- Suitable for use in luminaires of protection class I

Product family 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 family features

- 1 to 4 DALI addressable channels
- LED driver whose output power can be shared arbitrarily among the 1 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

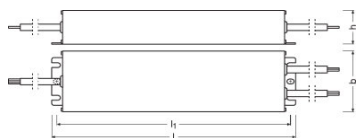
Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 %
Power factor λ	> 0.95
ECG efficiency	93 %
Device power loss	7 W
Power loss in stand-by mode	<0.5 W
Inrush current	55 A
Max. ECG no. on circuit breaker 10 A (B)	11
Max. ECG no. on circuit breaker 10 A (C)	18
Max. ECG no. on circuit breaker 16 A (B)	17
Max. ECG no. on circuit breaker 16 A (C)	29
Max. ECG no. on circuit breaker 25 A (B)	27
Surge capability (L/N-Ground)	8 kV
Surge capability (L-N)	6 kV
Nominal output voltage	24 V ¹⁾
U-OUT (working voltage)	24.7 V
Nominal output power	100 W
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV
Input voltage DC	176...276 V
Output PWM frequency	1k Hz
Output ripple Voltage (100 Hz)	< 5 %

¹⁾ DC voltage

Dimensions & weight



Mounting hole spacing, length	227.0 mm
Product weight	1150.00 g
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.5 mm ²
Wire preparation length, input side	90 mm
Wire preparation length, output side	90 mm
Mounting hole spacing, width	227 mm
Length	237.0 mm
Width	69.0 mm
Height	37.0 mm

Colors & materials

Casing material	Aluminium
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Temperatures & operating conditions

Ambient temperature range	-20...+60 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Capabilities

Dimmable	Yes
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Product datasheet

Dimming interface	DALI
Dimming range	0...100 %
Dimming method	Pulse Width Modulation
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Suitable for fixtures with prot. class	I
Type of connection, input side	Wires
Type of connection, output side	Wires
Number of channels	4



Certificates & standards

Approval marks – approval	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	I
Type of protection	IP66/IP67

Logistical data

Commodity code	850440829000
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Download Data

File
 User instruction OPTOTRONIC LED Power Supply
 Declarations of conformity OTi DALI 100 CE 4187171 290120

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172119191	OTi DALI 100/220-240/24 1-4 CH P	Shipping carton box 6	287 mm x 262 mm x 201 mm	15.11 dm ³	7480.00 g

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.

Product datasheet

Disclaimer

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