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

CV Power supplies with DALI



Product family 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

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

Areas of application

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

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Technical data

Electrical data

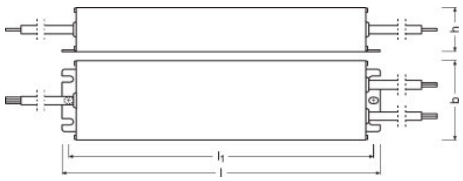
Nominal output power	100 W
Maximum output power	100 W [1)]
Mains frequency	50/60 Hz
Efficiency in full-load	93 % [2)]
Galvanic isolation primary/secondary	3 kV
Device power loss	7 W
Nominal output voltage	24 V [3)]
Input voltage DC	176...276 V
Inrush current	55 A
Input voltage AC	198...264 V
Power factor λ	> 0.95
Nominal voltage	220...240 V
Output PWM frequency	1k Hz
Output ripple Voltage (100 Hz)	< 5 %

1) at steady state

2) at 230 V, 50 Hz

3) DC voltage

Dimensions & weight



Mounting hole spacing, length	227.0 mm
Mounting hole spacing, width	227 mm
Product weight	1150.00 g
Length	237.0 mm
Width	69.0 mm
Height	37.0 mm

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Temperatures & operating conditions

Permitted rel. humidity during operation	5...85 % [1)]
Ambient temperature range	-20...+60 °C

[1)] Maximum 56 days/year at 85 %

Additional product data

Product remark	Emergency lighting: EL sign

Capabilities

Suitable for fixtures with prot. class	I
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Intended for no-load operation	No
Dimming interface	DALI-2
Dimmable	Yes
Number of channels	4

Certificates & standards

Type of protection	IP66/IP67
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
Approval marks – approval	CE / EAC / ENEC 10 / RCM / VDE / VDE-EMC

Logistical data

Commodity code	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	09-06-2023
Primary Article Identifier	4062172119191
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	43d82ae1-10f9-433e-a119-bcdabdcfdc2c

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Product datasheet

Download Data

	File
	User instruction OPTOTRONIC LED Power Supply
	Product Datasheet OTi DALI 100 1-4CH Technical Datasheet (EN)
	Certificates OT VDE ENEC 40050684 290923
	Certificates OTI DALI 100 1_4CH P NSW27729 080620
	Certificates OT EMC 40038482 290922
	Declarations of conformity OTi DALI 100 1 4 CH P CE 4187171 03 280723
	CAD data 3-dim OTi DALI 100 220-240 24 1-4 CH P - 3D stp file

Ecodesign regulation information:

Intended for use with LED modules.
The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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	7478.00 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.

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