OTi DALI 80/220-240/ 24 4CH DT6/8 G3

CV Power supplies with DALI

Product family features

- Dimmable via Touch DIM
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- Dimming range: 0.1…100 % (for 50-80-160W) or 1…100 % (for 30W)
- Line frequency: 0 Hz | 50 Hz | 60 Hz

Product family benefits

- Intelligent power matching thanks to Smart power supply
- Form factor for mounting on the cove or in luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (> 2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- DALI message detection "LED Module failure"
- IP rating: IP20

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Areas of application

- Cove lighting, wall washer, corridor, handrail, luminous ceilings
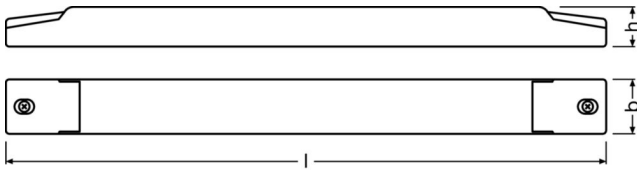- Suitable for use in luminaires of protection class I and II

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Technical data

Electrical data

Nominal input voltage	220…240 V
Mains frequency	50/60 Hz
Input voltage AC	198…264 V
Input voltage DC	176…276 V
Total harmonic distortion	< 5 %
Power factor λ	0.89C…0.99
Efficiency in full-load	93% [1]
Device power loss	6.0 W
Inrush current	46 A
Max. ECG no. on circuit breaker 10 A (B)	9
Max. ECG no. on circuit breaker 16 A (B)	15
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	24 V [2]
U-OUT (working voltage)	24.2 V
Output PSTLM	≤1
Output SVM	≤0.4
Nominal output power	80 W
Maximum output power	80 W [3]
Galvanic isolation	SELV

1) at 230 V, 50 Hz
2) DC voltage
3) at steady state

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Dimensions & weight

Length	346.0 mm
Width	32.0 mm
Height	22.0 mm
Mounting hole spacing, length	300.6 mm
Cable cross-section, input side	0.5…2.5 mm²
Cable cross-section, output side	0.2…1.5 mm²
Wire preparation length, input side	6.0 mm
Wire preparation length, output side	5.0 mm
Product weight	191.00 g

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+45 °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 %

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Lifespan

ECG lifetime	50000 h

Capabilities

Dimmable	Yes
Dimming interface	DALI-2 / Corridor / Touch DIM
Dimming range	0.1…100 %
Dimming method	Pulse Width Modulation
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Screw terminal
Type of connection, output side	Screw terminal
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No
No-load proof	Yes

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Programming

Tuner4TRONIC	Yes

Certificates & standards

Approval marks – approval	BIS / CCC / EAC / EL / ENEC 10 / RCM / VDE / VDE-EMC
Standards	Acc. to EN 55015 / Acc. to EN 60598-2-22 / Acc. to EN 61000-3-2 / Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 61547 / Acc. to EN 62384 / Acc. to EN 62386
Type of protection	IP20
Protection class	2

Logistical data

Commodity code	85044083900

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	22-03-2024
Primary Article Identifier	4062172274302
Declaration No. in SCIP database	In work

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Download Data

File		
Certificates	PDF	►OT VDE ENEC 40050684 290923
Mandatory Publications	PDF	►OTI DALI G3 CE 4404351 02 220523
Mandatory Publications	PDF	►OTI DALI CV G3 UKDoC 4404352 010622
User instruction	PDF	►OPTOTRONIC LED Power Supply

Equipment / Accessories

Equipment / Accessories
- Suitable for 24 V LED modules

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.

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172274302	OTi DALI 80/220-240/ 24 4CH DT6/8 G3	Shipping carton box 20 Pieces	370 x 170 x 113 mm	7.11 dm³	3998.00 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

Disclaimer

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

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