

OTi DALI 50/220...240/1A4 LT2 FAN

OPTOTRONIC Intelligent | – Dimmable DALI



Areas of application

- Installation in emergency lighting systems according to IEC 61347-2-3, appendix J
- Suitable for use in luminaires with flexible current setting (DALI, CLO, LEDset)
- Suitable for indoor SELV equivalent installations
- Suitable for luminaires of protection classes I and II
- Installation and independent mounting via Cable Clamp Kit possible

Product benefits

- Versatile DALI window driver due to flexible output characteristic
- Very high efficiency and reliability
- Protection of the system thanks to thermal management and Smart Control

Versatile scope of application due to OSRAM DALI Technology:

- Easy to use in corridors and restrooms because of three-level Corridor function
- Touch DIM application: easy to control via pushbutton or sensor
- Energy efficient Touch DIM operation due to automatic switch-off at sufficient residual light
- Suitable for emergency Installations (acc. to EN 60598-2-22 and IEC 61347-2-13, appendix J) thanks to DC detection (0 Hz, pulsating DC), on/off switchable
- Feedback of power consumption and operating hours (Fit for SMART GRID)
- Suitable for buildings according to EPBD/BREEAM/LEED due to automatic Constant Lumen Output setting

Product features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-3, 61347-2-13, 62384
- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2

Product datasheet

- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- LED protection by Hot Plug

Product datasheet

Technical data

Electrical data

Nominal output power	55 W ¹⁾
Input voltage AC	198...264 V ²⁾
Mains frequency	50...60 Hz
Nominal output voltage	15...54 V ³⁾
Nominal output current	600...1400 mA ⁴⁾
Power loss in stand-by mode	<0.5 W
Nominal voltage	220...240 V
Nominal current	0.27 A
Power factor λ	0.95
ECG efficiency	91 % ⁵⁾
Inrush current	30 A ⁶⁾
Max. ECG no. on circuit breaker 10 A (B)	12
Max. ECG no. on circuit breaker 16 A (B)	20
Galvanic isolation primary/secondary	3.75 kV ⁷⁾
Surge capability (L/N-Ground)	2 kV ⁸⁾
Surge capability (L-N)	1 kV

¹⁾ Partial load 22...55 W

²⁾ Permitted voltage range

³⁾ Maximum 60 V

⁴⁾ $\pm 5\%$

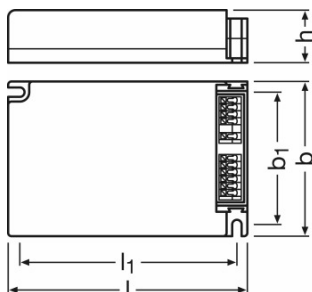
⁵⁾ At full load and 230 V

⁶⁾ $t_{width} = 200 \mu s$ (measured at 50 % I_{peak})

⁷⁾ SELV-equivalent

⁸⁾ Functional Earth

Dimensions & weight



Length	110.0 mm
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Product datasheet

Width	75.0 mm
Mounting hole spacing, length	99.0 mm
Mounting hole spacing, width	64.0 mm
Height	25.0 mm
Product weight	180.00 g
Cable cross-section, input side	0.2...1.5 mm ² ¹⁾
Cable cross-section, output side	0.2...1.5 mm ² ¹⁾
Wire preparation length, input side	8.5...9.5 mm

¹⁾ Solid or flexible leads

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+50 °C
Temperature range at storage	-25...85 °C
Maximum temperature at tc test point	80 °C ¹⁾
Max.housing temperature in case of fault	110 °C

¹⁾ Maximum at the T_c-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At maximum T_c / 10 % failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming range	1...100 % ¹⁾
Suitable for fixtures with prot. class	I / II
Dimming interface	DALI / Touch DIM / Touch DIM Sensor
Constant lumen function	Programmable
NTC input	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m







¹⁾ For maximum nominal output current

Product datasheet

Certificates & standards

Type of protection	IP20
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 62384
Approval marks – approval	ENEC 10 / VDE / EMC / EL / CE

Download Data

File
 Product Datasheet Datasheet OTi DALI 50220-2401A4 LT2 FAN
 Brochures OPTOTRONIC Compact LED drivers (GB)
 Declarations of conformity DoC OTi DALI 50220
 CAD data 3-dim STEP-CAD - OTI DALI 50220-2401A4 LT2 FAN
 CAD data PDF CAD - OTI DALI 50220-2401A4 LT2 FAN
 CAD data PDF IGS - CAD - OTI DALI 50220-2401A4 LT2 FAN

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899919433	OTi DALI 50/220...240/1A4 LT2 FAN	Shipping carton box 20	389 mm x 234 mm x 72 mm	6.55 dm ³	4118.00 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.