

OTi DALI 75/220...240/24 1...4 CH

CV Power supplies with DALI



Areas of application

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

Product benefits

- Intelligent power matching thanks to Smart power supply
- Slim form factor for mounting on the cove or in linear luminaires
- Flicker free thanks to high PWM frequency
- Emergency lighting: EL sign
- Ideal match of LED modul and driver

Product features

- Dimmable via Touch DIM
- From 1 to 4 channels to arbitrary distribute the LED-power
- Dimming range: 0.1...100 %

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	0.95/0.90 ²⁾
ECG efficiency	89 % ³⁾
Device power loss	8.5 W ⁴⁾
Power loss in stand-by mode	<1 W
Inrush current	35.6 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	12
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	2 kV
Nominal output voltage	24 V ⁶⁾
U-OUT (working voltage)	24 V
Nominal output power	75 W ⁷⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁸⁾

¹⁾ Permitted voltage range

²⁾ Full load at 230 V/Half load at 230 V/Minimum

³⁾ At full load and 230 V

⁴⁾ Maximum

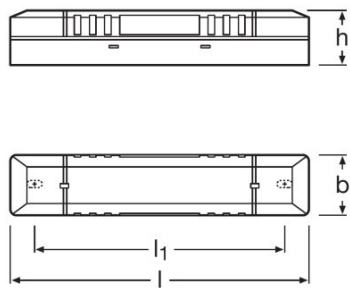
⁵⁾ $t_{\text{width}} = 270 \mu\text{s}$ (measured at 50 % I_{peak})

⁶⁾ +1.0/-0.5 V

⁷⁾ Partial load 0...75 W

⁸⁾ SELV-equivalent

Dimensions & weight



Length	220.0 mm
Width	46.2 mm
Height	43.6 mm
Mounting hole spacing, length	180.0 mm
Product weight	350.00 g
Cable cross-section, input side	0.5...2.5 mm ²
Cable cross-section, output side	0.5...2.5 mm ²
Wire preparation length, input side	6.0 mm
Wire preparation length, output side	6.0 mm
Mounting hole spacing, width	0 mm

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	75 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At T_{case} = 70°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	DALI / Touch DIM
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
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	II / I
Type of connection, output side	Screw terminal

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / VDE-EMC / RCM
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to EN 55015/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 62386-101
Protection class	II
Type of protection	IP20

Logistical data

Temperature range at storage	-40...85 °C
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Wiring Diagram





Wiring diagram

Equipment / Accessories

- Suitable for 24 V LED modules

Download Data

File	
	Certificates VDE-EMC-Certificate OT_OTe_OTp_OT Fit_OTi
	Declarations of conformity 727843_Declaration OTi DALI 75

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321371560	OTi DALI 75/220...240/24 1...4 CH	Shipping carton box 20	348 mm x 247 mm x 265 mm	22.78 dm ³	6395.00 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.