

PRODUCT DATASHEET

OTi DALI 25/220...240/300 D NFCFL

OPTOTRONIC Intelligent Flat | – Dimmable DALI (non-isolated)



AREAS OF APPLICATION

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I

PRODUCT FAMILY BENEFITS

- Flat housing (16 mm height) for innovative luminaire designs and applications
- Fully programmable via software (DALI Interface, NFC)
- Advanced luminaire/driver data (power, energy, operating hours...) for analytics
- Prepared for DiiA Specification Parts -251, -252 and -253
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- High-quality dimming of 1...100 % (amplitude and/or PWM selectable by software)
- Higher quality of light thanks to < 1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

PRODUCT FAMILY FEATURES

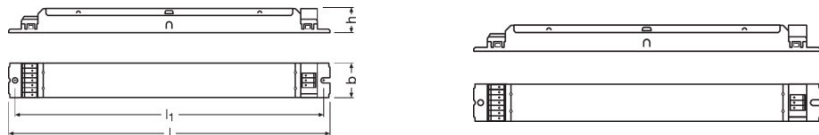
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile DALI window driver up to 75 W due to flexible output characteristic
- Supply voltage: 220...240 V
- Available with output current range: up to 500 mA
- DALI-2 certified (Part -101,-102 and -207)
- Monitoring of luminaire operating parameters
- Constant Lumen Output (CLO)
- Non-isolated drivers

TECHNICAL DATA

Electrical data

Nominal voltage	220...240 V
Mains frequency	0...60 Hz
Input voltage AC	198...264 V
Input voltage DC	176...276 V
Total harmonic distortion	9.50 %
Power factor λ	> 0.95
ECG efficiency	up to 90.5 %
Device power loss	2.0 W
Power loss in stand-by mode	<0.15 W
Inrush current	21 A
Max. ECG no. on circuit breaker 10 A (B)	17
Max. ECG no. on circuit breaker 16 A (B)	28
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	54...240 V
U-OUT (working voltage)	54...240 V
Nominal output current	35...300 mA
Output current tolerance	± 3 %
Output ripple current (100 Hz)	< 1 %
Nominal output power	25 W
Galvanic isolation	Non isolated

Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	16.0 mm

Mounting hole spacing, length	270.0 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Product weight	205.00 g
Wire preparation length, input side	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-25...+60 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 / 100000 h
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Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes
Dimming interface	DALI-2
Dimming range	0.1...100 %
Dimming method	DALI
Constant lumen function	Yes
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
Type of connection, output side	Push terminal

Certificates & standards
















Approval marks – approval	CE / VDE-ENEC / VDE-EMC / EAC / CCC / BIS
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Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 62386/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Type of protection	IP20

Logistical data

Temperature range at storage	-40...+85 °C
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DOWNLOAD DATA

File	
	User instruction OPTOTRONIC LED Power Supply
	User instruction OPTOTRONIC LED Power Supply
	Certificates VDE ENEC Certificate 40038085
	Certificates VDE EMC Certificate 40044675 (EN)
	Certificates INOTEC Conformity declaration AM18335 OTi DALI 25 220-240 300 D NFC F L
	Certificates OT EMC 40050085 200220
	Declarations of conformity EATON(CEAG) Conformity declaration AM18335 OTi DALI 25 220-240 300 D NFC F L (EN)
	Declarations of conformity EU Declaration of Conformity 3747608
	CAD data CAD data IGS OTi DALI 25,35,75D NFC FL
	CAD data CAD data STEP OTi DALI 25,35,75D NFC FL
	CAD data OTi DALI D NFC FL IGS 090120
	CAD data OTi DALI D NFC FL STEP 090120
	CAD Data 2-dim OTi DALI D NFC FL CAD2PDF 090120
	CAD data 3-dim OTi DALI D NFC FL CAD3PDF 090120
	CAD data PDF CAD data PDF OTi DALI 25,35,75D NFC FL

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4062172020749	Unpacked 1	- x - x -		

4062172020756	Shipping carton box 20	300 mm x 128 mm x 106 mm	4223.00 g	4.07 dm ³
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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.