



## Product datasheet

- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ °C}$ , max. 10 % failure rate)
- Independent connection via through-looping (except OTi DALI 15)

## Technical data

### Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Input voltage DC	176...276 V
Total harmonic distortion	< 10 %
Power factor $\lambda$	0.95
ECG efficiency	88 % <sup>2)</sup>
Device power loss	2.4 W
Power loss in stand-by mode	$\leq 0.27$ W
Inrush current	5 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	80
Max. ECG no. on circuit breaker 16 A (B)	130
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	1 kV
Nominal output voltage	7.5...54 V <sup>4)</sup>
U-OUT (working voltage)	60 V
Nominal output current	150...1050 mA <sup>5)</sup>
Output current tolerance	$\pm 3$ %
Output ripple current (100 Hz)	< 2 %
Nominal output power	18 W <sup>6)</sup>
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.75 kV <sup>7)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Typical / At full load and 230 V

<sup>3)</sup>  $t_{width} = 45 \mu s$  (measured at 50 %  $I_{peak}$ )

<sup>4)</sup> Maximum 60 V

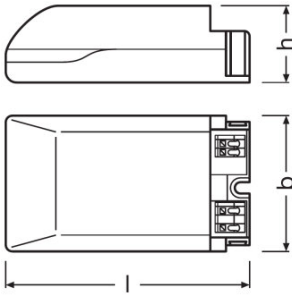
<sup>5)</sup>  $\pm 5\%$

<sup>6)</sup> Partial load 3...18 W

<sup>7)</sup> SELV

## Product datasheet

### Dimensions & weight



<b>Length</b>	95.0 mm
<b>Width</b>	53.0 mm
<b>Height</b>	30.0 mm
<b>Product weight</b>	100.00 g
<b>Cable cross-section, input side</b>	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	0.2...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	8.0...9.0 mm
<b>Wire preparation length, output side</b>	8.0...9.0 mm

<sup>1)</sup> Solid or flexible leads

### Colors & materials

<b>Casing material</b>	Plastic
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### Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	75 °C <sup>1)</sup>
<b>Max.housing temperature in case of fault</b>	100 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

<sup>1)</sup> Maximum at the Tc-point

### Lifespan

<b>ECG lifetime</b>	50000 / 100000 h <sup>1)</sup>
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<sup>1)</sup>  $T_c = 75^\circ\text{C}$ , 0.2% / 1,000 h failure rate /  $T_c = 65^\circ\text{C}$ , 0.1% / 1,000 h failure rate

### Additional product data

<b>Encapsulated</b>	No
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### Capabilities

## Product datasheet

<b>Dimmable</b>	Yes
<b>Dimming interface</b>	DALI / Touch DIM / Touch DIM Sensor
<b>Dimming range</b>	1...100 %
<b>Dimming method</b>	Amplitude Modulation
<b>Constant lumen function</b>	Programmable
<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<b>No-load proof</b>	Yes
<b>Max. cable length to lamp/LED module</b>	2.0 m
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Suitable for emergency lighting</b>	Yes
<b>Type of connection, output side</b>	Push terminal








### Certificates & standards

<b>Approval marks – approval</b>	ENEC 10 / VDE / EMC / EL / CE
<b>Standards</b>	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
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

### Logistical data

<b>Temperature range at storage</b>	-25...85 °C
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### Download Data

File	
	Brochures OPTOTRONIC Compact LED drivers (GB)
	Certificates CB-Certificate-OTi DALI 15
	Certificates VDE_CB-Certificate-OTi DALI 15
	Declarations of conformity Declaration of Conformity_OTi DALI LT2 9C1
	CAD data OTi DALI 15_CAD file_IGS
	CAD data OTi DALI 15_CAD file
	CAD data OTi DALI 15_CAD file_STEP

## Product datasheet



CAD data  
CAD Data OT-CableClamp-F-Style



CAD data  
CAD Data OT-CableClamp-F-Style



CAD data PDF  
CAD Data OT-CableClamp-F-Style

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899324879	OTi DALI 15/220...240/1A0 LT2	Shipping carton box 20	284 mm x 207 mm x 90 mm	5.29 dm <sup>3</sup>	2270.00 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.