

## OT 100/220-240/1050 P7

OPTOTRONIC - ON/OFF IP67 | Constant current LED drivers



### Product family benefits

- High surge protection: up to 10 kV
- High efficiency (up to 94%)
- Fix current for optimized fixture design
- Over temperature protection
- IP rating: IP67 (Independent installation)
- Long lifetime

### Areas of application

- Street and urban lighting
- Industry lighting
- Suitable for luminaires of protection class I

## Technical data

### Electrical data

Nominal voltage	220...240 V
Input voltage AC	198...264 V
Nominal current	0.6 A
Mains frequency	50...60 Hz
Power factor $\lambda$	> 0.95 <sup>1)</sup>
Total harmonic distortion	< 5 % <sup>1)</sup>
Device power loss	10.5 W <sup>2)</sup>
Inrush current	55 A <sup>3)</sup>
Max. ECG no. on circuit breaker 10 A (B)	4
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	7
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	12
Surge capability (L/N-Ground)	10 kV
Surge capability (L-N)	6 kV
Nominal output power	70...100 W
Maximum output power	100 W
Efficiency in full-load	90.5 % <sup>4)</sup>
Nominal output voltage	67...95.5 V
U-OUT (working voltage)	130 V
Nominal output current	1050 mA
Output current tolerance	±5 %
Minimum output current	1050 mA
Galvanic isolation	basic

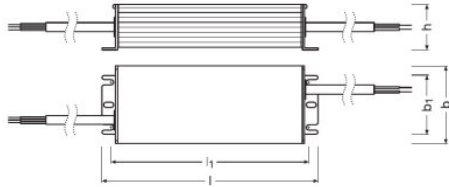
<sup>1)</sup>  $\geq 70\%$  load

<sup>2)</sup>  $V_{in}$  230V 50Hz

<sup>3)</sup> Max,  $t_h = 400 \mu s$

<sup>4)</sup> at 230 V, 50 Hz

## Dimensions & weight



<b>Length</b>	167.0 mm
<b>Width</b>	60.0 mm
<b>Height</b>	33.0 mm
<b>Mounting hole spacing, length</b>	153 mm
<b>Product weight</b>	560.00 g
<b>Cable cross-section, input side</b>	1.0 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	1.0 mm <sup>2</sup>
<b>Wire preparation length, input side</b>	10 mm

## Temperatures & operating conditions

<b>Ambient temperature range</b>	-40...+55 °C
<b>Temperature range at storage</b>	-40...+85 °C
<b>Maximum temperature at tc test point</b>	85 °C
<b>Max.housing temperature in case of fault</b>	110 °C

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> = 80°C / 10% failure rate

## Capabilities

<b>Dimmable</b>	No
<b>Suitable for fixtures with prot. class</b>	I
<b>Intended for no-load operation</b>	No
<b>Number of channels</b>	1

## Certificates & standards

<b>Type of protection</b>	IP67
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## Product datasheet

<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 61000-3-3/Acc. to EN 62384/Acc. to EN 60598-1 (ED.8)
<b>Approval marks – approval</b>	CE / CCC / TISI / RCM / ENEC 25


### Logistical data

<b>Commodity code</b>	850440839000
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### Environmental information

<b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b>	
<b>Date of Declaration</b>	19-05-2023
<b>Primary Article Identifier</b>	4062172087094
<b>Candidate List Substance 1</b>	Lead
<b>CAS No. of substance 1</b>	7439-92-1
<b>Safe Use Instruction</b>	The identification of the Candidate List substance is sufficient to allow safe use of the article.
<b>Declaration No. in SCIP database</b>	dd9a93a5-d7fe-44e8-a713-b6eafc400cf8

### Download Data

<b>File</b>	
	User instruction OPTOTRONIC P7

### 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.

## Product datasheet

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### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172087094	OT 100/220-240/1050 P7	Shipping carton box 15	389 mm x 239 mm x 183 mm	17.01 dm <sup>3</sup>	8892.00 g

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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.

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### Disclaimer

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