

## OPTOTRONIC - ON/OFF ADJ High Current IP67 (SELV)

High current LED drivers



### Areas of application

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

### Product family benefits

- Easily current adjustment by potentiometer
- High surge protection: up to 10 kV
- High efficiency (up to 93%)
- Adjustable and wide output current range
- Wide output voltage & current range for multiple applications
- Double isolation between primary/secondary sides (SELV)
- Over temperature protection
- IP rating: IP67 (Independent installation)
- Long lifetime



Technical data

Electrical data

Product description	Nominal voltage	Input voltage AC	Nominal current	Mains frequency	Power factor $\lambda$	Total harmonic distortion
OT 150/220-240/4A2 P7	220...240 V	198...264 V	085 A	50...60 Hz	> 095 <sup>1)</sup>	< 5 % <sup>1)</sup>
OT 200/220-240/5A6 P7	220...240 V	198...264 V	120 A	50...60 Hz	> 095 <sup>1)</sup>	< 5 % <sup>1)</sup>
Product description	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 10 A (C)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 16 A (B)
OT 150/220-240/4A2 P7	10.5 W <sup>2)</sup>	60 A <sup>3)</sup>	3	-	-	6
OT 200/220-240/5A6 P7	14 W <sup>2)</sup>	65 A <sup>6)</sup>	2	-	-	4
Product description	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output power		
OT 150/220-240/4A2 P7	9	10 kV	6 kV	105...150 W		
OT 200/220-240/5A6 P7	7	10 kV	6 kV	140...200 W		
Product description	Maximum output power	Efficiency in full-load	Nominal output voltage	U-OUT (working voltage)		
OT 150/220-240/4A2 P7	150 W	93.5 % <sup>4)</sup>	36...48 V <sup>5)</sup>	60 V		
OT 200/220-240/5A6 P7	200 W	93.5 % <sup>4)</sup>	36...48 V <sup>5)</sup>	60 V		
Product description	Nominal output current	Output current tolerance	Minimum output current	Galvanic isolation		
OT 150/220-240/4A2 P7	3.1A...4.2 A	±5 %	3.1 A	double/reinforced		
OT 200/220-240/5A6 P7	4.2 A...5.6 A	±5 %	4.2 A	double/reinforced		

<sup>1)</sup> ≥70% load

<sup>2)</sup> Vin 230v 50Hz

<sup>3)</sup> Max, th = 400 μs

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

<sup>5)</sup> 27V - 54V workable

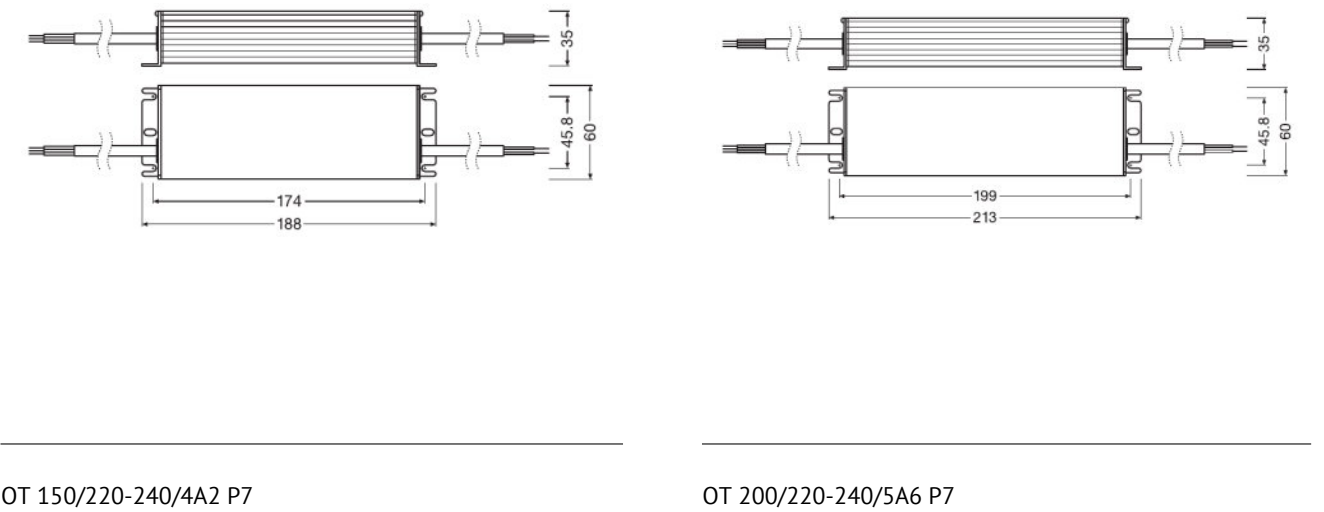
<sup>6)</sup> Max, th = 500 μs

Dimensions & weight

Product description	Length	Width	Height	Mounting hole spacing, length	Product weight	Cable cross-section, input side
OT 150/220-240/4A2 P7	1880 mm	600 mm	35 mm	174.0 mm	72000 g	1.0 mm²
OT 200/220-240/5A6 P7	2130 mm	600 mm	35 mm	199.0 mm	75000 g	1.0 mm²

Product description	Cable cross-section, output side	Wire preparation length, input side
OT 150/220-240/4A2 P7	1.0 mm²	10 mm
OT 200/220-240/5A6 P7	1.0 mm²	10 mm

Product line drawing



Temperatures & operating conditions

Product description	Ambient temperature range	Temperature range at storage	Maximum temperature at tc test point	Max.housing temperature in case of fault
OT 150/220-240/4A2 P7	-40...+55 °C	-40...+85 °C	90 °C	120 °C
OT 200/220-240/5A6 P7	-40...+55 °C	-40...+85 °C	90 °C	120 °C

Product family datasheet

Lifespan

Product description	ECG lifetime
OT 150/220-240/4A2 P7	50000 h <sup>1)</sup>
OT 200/220-240/5A6 P7	50000 h <sup>1)</sup>

<sup>1)</sup> At maximum T<sub>c</sub> = 80°C / 10% failure rate

Capabilities

Product description	Dimmable	Suitable for fixtures with prot. class	Intended for no-load operation	Number of channels
OT 150/220-240/4A2 P7	No	I	No	1
OT 200/220-240/5A6 P7	No	I	No	1

Product description	Control interface
OT 150/220-240/4A2 P7	0-10V
OT 200/220-240/5A6 P7	0-10V

Certificates & standards

Product description	Type of protection	Standards	Approval marks – approval
OT 150/220-240/4A2 P7	IP67	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)	CE / CCC / RCM / ENEC 25 / IP67 / SELV
OT 200/220-240/5A6 P7	IP67	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)	CE / CCC / RCM / ENEC 25 / IP67 / SELV

Logistical data

Product description	Commodity code
OT 150/220-240/4A2 P7	85044083900
OT 200/220-240/5A6 P7	85044083900

Product family datasheet

Environmental information  
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
OT 150/220-240/4A2 P7	09-06-2023	4062172087193	Lead
OT 200/220-240/5A6 P7	02-06-2023	4062172087216	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
OT 150/220-240/4A2 P7	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	052df244-b982-485e-ac56-532e620701e3
OT 200/220-240/5A6 P7	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	1c270ef4-7548-4b9a-aacc-61fe993568f4

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172087193	OT 150/220-240/4A2 P7	Shipping carton box 15	399 mm x 264 mm x 183 mm	19.28 dm <sup>3</sup>	11438.00 g

Product family datasheet

Logistical Data

4062172087216	OT 200/220-240/5A6 P7	Shipping carton box 15	399 mm x 289 mm x 183 mm	21.10 dm <sup>3</sup>	11904.00 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.

Disclaimer

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