

OT 150/220-240/4A2 P7

OPTOTRONIC - ON/OFF ADJ High Current IP67 (SELV) | High current LED drivers



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

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	085 A
Mains frequency	50...60 Hz
Power factor λ	> 095 ¹⁾
Total harmonic distortion	< 5 % ¹⁾
Device power loss	10.5 W ²⁾
Inrush current	60 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	3
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	6
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	9
Surge capability (L/N-Ground)	10 kV
Surge capability (L-N)	6 kV
Nominal output power	105...150 W
Maximum output power	150 W
Efficiency in full-load	93.5 % ⁴⁾
Nominal output voltage	36...48 V ⁵⁾
U-OUT (working voltage)	60 V
Nominal output current	3.1A...4.2 A
Output current tolerance	±5 %
Minimum output current	3.1 A
Galvanic isolation	double/reinforced

¹⁾ ≥70% load

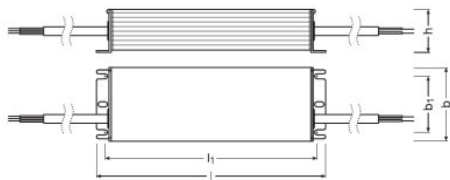
²⁾ Vin 230v 50Hz

³⁾ Max, th = 400 µs

⁴⁾ at 230 V, 50 Hz

⁵⁾ 27V - 54V workable

Dimensions & weight



Length	1880 mm
Width	600 mm
Height	35 mm
Mounting hole spacing, length	174.0 mm
Product weight	72000 g
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ²
Wire preparation length, input side	10 mm

Temperatures & operating conditions

Ambient temperature range	-40...+55 °C
Temperature range at storage	-40...+85 °C
Maximum temperature at tc test point	90 °C
Max.housing temperature in case of fault	120 °C

Lifespan

ECG lifetime	50000 h ¹⁾
--------------	-----------------------

¹⁾ At maximum T_c = 80°C / 10% failure rate

Capabilities

Dimmable	No
Suitable for fixtures with prot. class	I
Intended for no-load operation	No
Control interface	0-10V
Number of channels	1

Certificates & standards

Product datasheet

Type of protection	IP67
Standards	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)
Approval marks – approval	CE / CCC / RCM / ENEC 25 / IP67 / SELV

Logistical data

Commodity code	85044083900
----------------	-------------

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	09-06-2023
Primary Article Identifier	4062172087193
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	052df244-b982-485e-ac56-532e620701e3

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 ³	11438.00 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.