OSRAM

OT 200/220-240/700 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
Mains frequency	50...60 Hz
Power factor λ	> 0.95 [1]
Total harmonic distortion	< 5 % [1]
Device power loss	13 W [2]
Inrush current	65 A [3]
Max. ECG no. on circuit breaker 10 A (B)	2
Max. ECG no. on circuit breaker 10 A (C)	-
Max. ECG no. on circuit breaker 16 A (B)	4
Max. ECG no. on circuit breaker 16 A (C)	-
Max. ECG no. on circuit breaker 25 A (B)	7
Surge capability (L/N-Ground)	10 kV
Surge capability (L-N)	6 kV
Nominal output power	140...200 W
Maximum output power	200 W
Efficiency in full-load	94 % [4]
Nominal output voltage	200 - 285 V
U-OUT (working voltage)	310 V
Nominal output current	700 mA
Output current tolerance	±5 %
Minimum output current	0.7 A
Galvanic isolation	basic

[1] ≥70% load

[2] Vin 230v 50Hz

[3] Max, th = 500 µs

[4] at 230 V, 50 Hz

Dimensions & weight
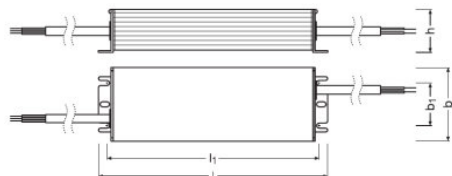
Length	188.0 mm
Width	60.0 mm
Height	33.0 mm
Mounting hole spacing, length	153 mm
Product weight	710.00 g
Cable cross-section, input side	1.0 mm²
Cable cross-section, output side	1.0 mm²
Wire preparation length, input side	10 mm

Temperatures & operating conditions

Ambient temperature range	-40...+55 °C
Temperature range at storage	-40...+85 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °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
Number of channels	1

Certificates & standards

Type of protection	IP67

Product datasheet

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 / TISI / RCM / ENEC 25

Logistical data

Commodity code	850440839000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	12-05-2023
Primary Article Identifier	4062172087070
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	47001427-ba89-4722-87dc-2e723eda7aa3

Download Data

File
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

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172087070	OT 200/220-240/700 P7	Shipping carton box 15	389 mm x 289 mm x 183 mm	20.57 dm³	11203.00 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.

—