

OT 150/220-240/1050 P7 (PHASE OUT)

OPTOTRONIC - ON/OFF IP67 | Constant current LED drivers



Product family features

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 input voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage AC | 198...264 V |
| Total harmonic distortion | < 5 % ¹⁾ |
| Power factor λ | > 0.95 ¹⁾ |
| Efficiency in full-load | 93.5 % ²⁾ |
| Device power loss | 10 W ³⁾ |
| Inrush current | 60 A ⁴⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 3 |
| Max. ECG no. on circuit breaker 16 A (B) | 6 |
| Max. ECG no. on circuit breaker 25 A (B) | 9 |
| Surge capability (L-N) | 6 kV |
| Surge capability (L/N-Ground) | 10 kV |
| Nominal output voltage | 100...143 V |
| U-OUT (working voltage) | 160 V |
| Nominal output current | 1050 mA |
| Output current tolerance | ±5 % |
| Output ripple current (100 Hz) | < 5 % |
| Nominal output power | 105...150 W |
| Maximum output power | 150 W |

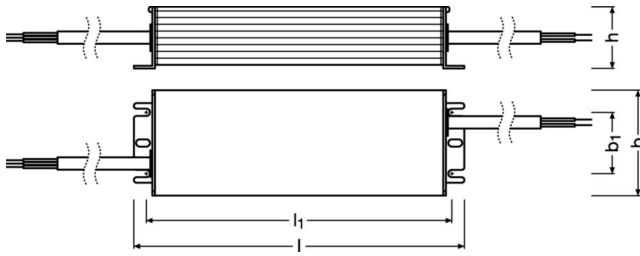
1) $\geq 70\%$ load

2) at 230 V, 50 Hz

3) V_{in} 230v 50Hz

4) Max, $t_h = 400 \mu s$

Dimensions & weight



| | |
|---|----------------------|
| Product weight | 560.00 g |
| Length | 167.0 mm |
| Width | 60.0 mm |
| Height | 33.0 mm |
| Mounting hole spacing, length | 153.0 mm |
| Mounting hole spacing, width | 34.0 mm |
| 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 |
| Wire preparation length, output side | 10 mm |
| Cable/wire length, input side | 500 mm ¹⁾ |
| Cable/wire length, output side | 300 mm ¹⁾ |

1) ± 20 mm

Temperatures & operating conditions

| | |
|---|------------------------|
| Ambient temperature range | -40...+55 °C |
| Maximum temperature at tc test point | 85 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -40...+85 °C |
| Permitted rel. humidity during operation | 5...95 % ¹⁾ |

1) Non condensing, absolute humidity: 36g/m³

Lifespan

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

1) At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Capabilities

| | |
|---|----------------------|
| Programming interface | not relevant |
| Dimmable | No |
| Max. cable length to lamp/LED module | 2.0 m ¹⁾ |
| Suitable for fixtures with prot. class | I |
| Type of connection, input side | Wires |
| Type of connection, output side | Wires |
| Number of channels | 1 |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| Intended for no-load operation | No |

1) Output wires must be routed as close as possible to each other

Programming

| | |
|--------------------|--------------|
| Programming device | not relevant |
|--------------------|--------------|

Certificates & standards

| | |
|---------------------------|---|
| Approval marks – approval | CE / CCC / TISI / RCM / ENEC 25 |
| Standards | EN 61347-1 / EN 61347-2-13 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 62384 / EN 60598-1 (ED.8) |
| Type of protection | IP67 |

Logistical data

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

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|---------------|
| Date of Declaration | 19-02-2025 |
| Primary Article Identifier | 4062172087117 |
| Declaration No. in SCIP database | In work |
| SCIP_STATUS | In work |
| SCIP_ID | |

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.

Download Data

| File | | |
|------------------|-----|------------|
| User instruction | PDF | ▶ UI OT P7 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|------------------------|----------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172087117 | OT 150/220-240/1050 P7 | Shipping carton box 15 Pieces | 389 x 239 x 183 mm | 17.01 dm ³ | 592.80 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.