

Product datasheet

OSRAM**OT 200/220...240/5A6 P5**

OPTOTRONIC Outdoor | High current LED drivers



Areas of application

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

Product family benefits

- High surge protection: up to 6 kV
- High efficiency
- Adjustable and wide output current range
- Constant current output
- Protection through double isolation between primary and secondary side (SELV)
- IP rating: IP65
- Long lifetime: up to 100,000 h

Product family features

- Overtemperature protection
- Available with different wattage: 100 W, 150 W, 200 W
- Line voltage: 220...240 V
- Current setting via potentiometer without programming



Technical data

Electrical data

| | |
|--|------------------------------|
| Nominal voltage | 220...240 V |
| Input voltage AC | 198...264 V ¹⁾ |
| Nominal current | 1 A |
| Mains frequency | 50...60 Hz |
| Power factor λ | > 0.98/> 0.90 ²⁾ |
| Total harmonic distortion | < 10 % |
| Device power loss | 26 W |
| Inrush current | 105 A |
| Max. ECG no. on circuit breaker 10 A (B) | 3 |
| Max. ECG no. on circuit breaker 16 A (B) | 4 |
| Max. ECG no. on circuit breaker 25 A (B) | 6 |
| Surge capability (L/N-Ground) | 6 kV |
| Surge capability (L-N) | 6 kV |
| Nominal output power | 200 W ³⁾ |
| ECG efficiency | 91 % |
| Nominal output voltage | 35...70 V |
| U-OUT (working voltage) | 80 V |
| Nominal output current | 2800...5600 mA ⁴⁾ |
| Output current tolerance | ±5 % |
| Minimum output current | 2 A |
| Galvanic isolation | double/reinforced |

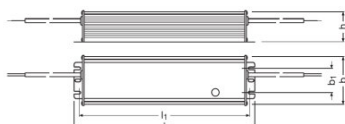
1) Permitted voltage range

2) Full load at 220...240 V_{AC} /50 Hz/Half load at 220...240 V_{AC} /50 Hz

3) Partial load 98...200 W

4) ±5%

Dimensions & weight



Product datasheet

| | |
|-------------------------------------|---------------------|
| Length | 252.5 mm |
| Width | 68.0 mm |
| Height | 42.5 mm |
| Mounting hole spacing, length | 241.6 mm |
| Product weight | 1200.00 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...+50 °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 $T_c = 85^\circ\text{C} / 10\%$ failure rate / At $T_c = 75^\circ\text{C} / 10\%$ failure rate

Expected Lifetime

| Product name | | | | |
|-------------------------------|------------------------------|---------------------|---------------------|---|
| OT 200/220...240/5A6 P5 | ECG ambient temperature [ta] | - | - | - |
| | Temperature at tc-point [°C] | 85 | 75 | - |
| | Lifetime [h] | 50000 ¹⁾ | 80000 ¹⁾ | - |

¹⁾ Max. 10% failure rate at tc max

Capabilities

| | |
|--|----|
| Dimmable | No |
| Suitable for fixtures with prot. class | I |
| NTC input | No |
| Number of channels | 1 |

Certificates & standards

| | |
|--------------------|------|
| Type of protection | IP65 |
|--------------------|------|

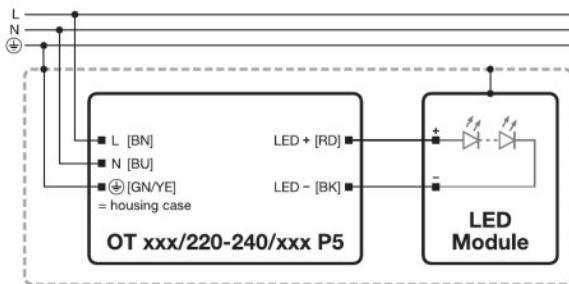
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| | |
|----------------------------------|--|
| Standards | Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 60598-1/Acc. to EN 62384 |
| Approval marks – approval | CCC / CE / CB |

Logistical data





| | |
|-----------------------|--------------|
| Commodity code | 850440829000 |
|-----------------------|--------------|

Wiring Diagram



Wiring diagram

Download Data

| File | |
|---|---|
|  | Product Datasheet OT 200220-2405A6 P5 |
|  | Brochures Technical Application Guide - 4DIMLT2 G2 CE LED drivers (EN) |
|  | Declarations of conformity OT OUTDOOR P5 CE 3218662 121119 |
|  | CAD data 3-dim OT High current 200W |

Logistical Data

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| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899410695 | OT 200/220...240/5A6 P5 | Shipping carton box 10 | 322 mm x 292 mm x 212 mm | 19.93 dm ³ | 12869.00 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.