

OT 150/220...240/4A9 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	0.77 A
Mains frequency	50...60 Hz
Power factor λ	> 0.98/> 0.90 ²⁾
Total harmonic distortion	< 10 %
Device power loss	22 W
Inrush current	120 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	150 W ³⁾
ECG efficiency	90 %
Nominal output voltage	30...60 V
U-OUT (working voltage)	75 V
Nominal output current	2450...4900 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 74...150 W

4) ±5%

Dimensions & weight



Product datasheet

Length	242.5 mm
Width	68.0 mm
Height	42.5 mm
Mounting hole spacing, length	231.5 mm
Product weight	1100.00 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...+55 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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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 150/220...240/4A9 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
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

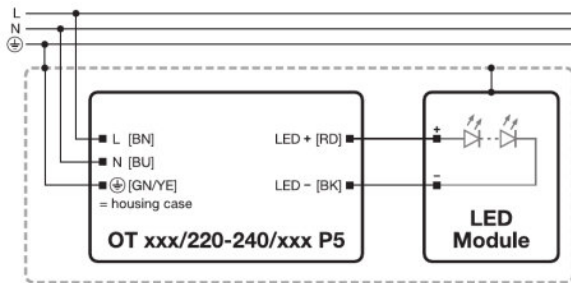
Product datasheet

Approval marks – approval	CCC / CE / CB
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Logistical data



Temperature range at storage	-40...85 °C
Commodity code	850440829000

Wiring Diagram



Wiring diagram

Download Data

File	
	Declarations of conformity EU Declaration of Conformity 3218662
	CAD data 3-dim OT High current 150W

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899410671	OT 150/220...240/4A9 P5	Shipping carton box 10	312 mm x 292 mm x 212 mm	19.31 dm ³	11846.00 g

Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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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.