

OT SLIM 160/220-240/24

OPTOTRONIC Power supplies 24V



Product family features

- Type of protection: IP20
- Wide operating temperature range: -20...+50 °C
- Lifetime: up to 50,000 h (temperature at max. t_c)

Product family benefits

- Installation in cold and hot environments
- Very stable output power
- High electrical reversible short-circuit, overload, overtemperature protection
- Independent installation possible

Areas of application

- Facades, public squares, cruise ships
- Signage
- Suitable for indoor and outdoor installations

Technical data

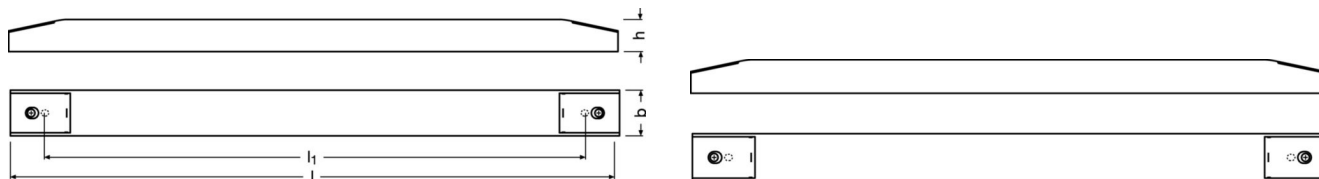
Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	195.5...276 V
Input voltage DC	176...250 V
Total harmonic distortion	< 5 %
Power factor λ	> 0.95
Efficiency in full-load	92 % ¹⁾
Device power loss	13.9 W
Inrush current	60 A
Max. ECG no. on circuit breaker 10 A (B)	not relevant
Max. ECG no. on circuit breaker 16 A (B)	not relevant
Surge capability (L/N-Ground)	not relevant
Surge capability (L-N)	1 kV
Nominal output voltage	24.2 V
U-OUT (working voltage)	24 V
Nominal output power	160 W
Maximum output power	160 W ²⁾
Galvanic isolation	SELV

1) at 230 V, 50 Hz

2) at steady state

Dimensions & weight



Length	404.0 mm
Width	30.0 mm
Height	21.5 mm
Mounting hole spacing, length	356.0 mm
Cable cross-section, input side	0.75...1.5 mm ²
Cable cross-section, output side	0.75...1.5 mm ²
Wire preparation length, input side	5.0 mm
Wire preparation length, output side	5.0 mm
Product weight	285.00 g

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-25...+45 °C
Maximum temperature at tc test point	75 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40...+85 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

1) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Capabilities

Dimmable	No
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Screw terminal
Type of connection, output side	Screw terminal
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No

Certificates & standards

Approval marks – approval	CE / CB / ENEC / CCC / EAC / RCM / BIS
Standards	Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to EN 55015 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3
Type of protection	IP20

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	05-08-2024
Primary Article Identifier	4062172135894
Declaration No. in SCIP database	In work

Additional product information

- EMI pass verified with wire length of 2 m, from the ECG to the LED module at full load.
 - Wiring longer than 2 m from ECG to LED module is possible, but site installation conditions may interfere with EMI with these longer cables. EMI is therefore not verified in this condition.
 - For wires longer than 2 m, the appropriate cable cross section must be carefully selected to reduce voltage drop.
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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		
Product Datasheet	PDF	▶OT SLIM 160 220-240 24 Technical Datasheet (EN)
CAD data	Compressed	▶OT SLIM 160 STEP 290420
Mandatory Publications	PDF	▶OT SLIM CE 4200563 04 260724
User instruction	PDF	▶OT SLIM

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172135894	OT SLIM 160/220-240/24	Shipping carton box 30 Pieces	417 x 192 x 165 mm	13.21 dm ³	446.00 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.