

## OT SLIM 160/220-240/24 (NEW)

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

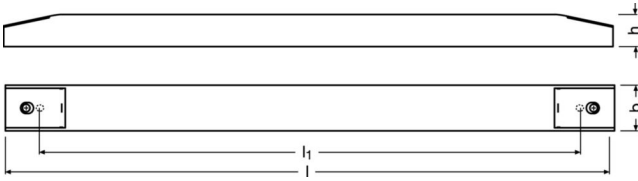
### Electrical data

|  |                     |
|--|---------------------|
| 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 $\lambda$                   | > 0.95              |
| Efficiency in full-load                  | 92 % <sup>1)</sup>  |
| 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 <sup>2)</sup> |
| Galvanic isolation                       | SELV                |

1) at 230 V, 50 Hz

2) at steady state

## Dimensions & weight



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

## Colors & materials

|                        |         |
|------------------------|---------|
| <b>Casing material</b> | Plastic |
|------------------------|---------|

## Temperatures & operating conditions

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

1) Maximum 56 days/year at 85 %

## Lifespan

|              |         |
|--------------|---------|
| ECG lifetime | 50000 h |
|--------------|---------|

## Additional product data

|                 |               |
|-----------------|---------------|
| Successor EAN   | 6977770438750 |
| Predecessor EAN | 4062172135894 |

## 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                 | IEC 61347-2-13 / IEC 62384 / EN 55015 / IEC 61000-3-2 / IEC 61000-3-3 |
| Type of protection        | IP20  |

## Logistical data

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

## Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                               |
|---|-------------------------------|
| Date of Declaration   | 01-11-2024                    |
| Primary Article Identifier  | 4062172135894   6977770438750 |
| 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.

### 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.



### 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<br>30 Pieces | 417 x 192 x 165 mm                   | 13.21 dm <sup>3</sup> | 299.87 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.