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## OT 240/220...240/24 P

CV Power supplies 24 V



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### Areas of application

- Suitable for indoor and outdoor SELV installations
- Suitable for use in tight, flat luminaires or installation in suspended ceilings
- Outdoor applications only in suitable luminaires

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### Product benefits

- Versatile scope of application due to output power range of up to 240 W
- Very high efficiency and reliability
- Constant luminous flux for very low and high temperatures due to Smart Power Supply

## Technical data

### Electrical data

<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage AC</b>	198...264 V <sup>1)</sup>
<b>Total harmonic distortion</b>	< 20 %
<b>Power factor <math>\lambda</math></b>	0.90/0.95 <sup>2)</sup>
<b>ECG efficiency</b>	93 % <sup>3)</sup>
<b>Device power loss</b>	18 W
<b>Protective conductor current</b>	<2.0 mA
<b>Inrush current</b>	70 A <sup>4)</sup>
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	5
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	8
<b>Max. ECG no. on circuit breaker 25 A (B)</b>	-
<b>Surge capability (L/N-Ground)</b>	6 kV
<b>Surge capability (L-N)</b>	3 kV
<b>Nominal output voltage</b>	24 V <sup>5)</sup>
<b>U-OUT (working voltage)</b>	24 V
<b>Nominal output power</b>	240 W <sup>6)</sup>
<b>Galvanic isolation</b>	SELV equivalent
<b>Galvanic isolation primary/secondary</b>	3.75 kV <sup>7)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Minimum/Full load at 230 V/Half load at 230 V

<sup>3)</sup> At full load and 230 V

<sup>4)</sup> Maximum / At 250  $\mu$ s

<sup>5)</sup> +1.0/-0.5 V

<sup>6)</sup> Partial load 0...240 W

<sup>7)</sup> SELV-equivalent

# Product datasheet

## Dimensions & weight



<b>Length</b>	250.0 mm
<b>Width</b>	80.0 mm
<b>Height</b>	39.0 mm
<b>Mounting hole spacing, length</b>	241.0 mm
<b>Product weight</b>	1500.00 g
<b>Cable cross-section, input side</b>	1.0 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	10...11 mm
<b>Wire preparation length, output side</b>	10...11 mm
<b>Cable/wire length, input side</b>	300 mm
<b>Cable/wire length, output side</b>	300 mm

<sup>1)</sup> Flexible

## Colors & materials

<b>Casing material</b>	Metal
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## Temperatures & operating conditions

<b>Ambient temperature range</b>	-25...+55 °C
<b>Maximum temperature at tc test point</b>	80 °C <sup>1)</sup>
<b>Max.housing temperature in case of fault</b>	100 °C
<b>Permitted rel. humidity during operation</b>	5...85 %

<sup>1)</sup> Maximum at the Tc-point

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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<sup>1)</sup> At tcase = 70°C at tc point / 10 % failure rate

## Additional product data

## Product datasheet

Encapsulated	No
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### Capabilities

Dimmable	Yes <sup>1)</sup>
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	10 m
Suitable for fixtures with prot. class	I
Type of connection, output side	Push terminal

<sup>1)</sup> With OPTOTRONIC dimmers





### Certificates & standards

Approval marks – approval	CE / CB / C-Tick
Standards	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61547
Protection class	I
Type of protection	IP67

### Logistical data

Temperature range at storage	-40...85 °C
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### Download Data

File
 Brochures 24V OPTOTRONIC outdoor drivers (GB)
 Certificates ENEC certificate-117-N OT 240220-24024 DIM P
 Declarations of conformity Declaration of conformity - OT 80220-24024 P - OT 120220-24024 P - OT 240
 Installation guide Instruction Sheet_OT 240220-24024 P

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321981721	OT 240/220...240/24 P	Shipping carton box 8	540 mm x 193 mm x 400 mm	41.69 dm <sup>3</sup>	14460.00 g

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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.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.