
OT 80/220...240/24 P

CV Power supplies 24 V



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

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

Product datasheet

Technical data

Electrical data

Nominal output power	80 W ¹⁾
Input voltage AC	198...264 V ²⁾
Mains frequency	50...60 Hz
Nominal output voltage	24 V ³⁾
Nominal voltage	220...240 V
Nominal current	0.40 A ⁴⁾
Device power loss	12 W ⁵⁾
Power factor λ	0.90/0.95 ⁶⁾
ECG efficiency	87 % ⁷⁾
Inrush current	35 A ⁸⁾
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	10
Max. ECG no. on circuit breaker 25 A (B)	-
Galvanic isolation primary/secondary	3.75 kV ⁹⁾
Surge capability (L-N)	3 kV

1) Partial load 0...80 W

2) Permitted voltage range

3) +1.0/-0.5 V

4) At 230 V

5) Maximum

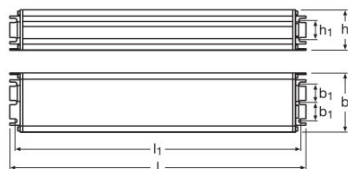
6) Minimum/Full load at 230 V/Half load at 230 V

7) At full load and 230 V

8) Maximum / At 360 μ s

9) SELV-equivalent

Dimensions & weight



Length	250.0 mm
Width	50.0 mm

Product datasheet

Height	34.0 mm
Product weight	850.00 g
Mounting hole spacing, length	241.0 mm
Cable cross-section, input side	1.0 mm ² ¹⁾
Mounting hole spacing, width	14.0 mm
Cable cross-section, output side	1.5 mm ² ¹⁾
Wire preparation length, input side	10...11 mm

¹⁾ Flexible

Temperatures & operating conditions

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

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At $T_{case} = 70^{\circ}C$ at T_c point / 10% failure rate

Capabilities

Dimmable	No ¹⁾
Suitable for fixtures with prot. class	II
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

¹⁾ With OPTOTRONIC dimmers

Certificates & standards






Type of protection	IP67
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
Approval marks – approval	CE / CB / C-Tick

Logistical data

Temperature range at storage	-40...85 °C
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Product datasheet

Download Data

File	
	Brochures 24V OPTOTRONIC outdoor drivers (GB)
	Brochures Poster OPTOTRONIC LED drivers
	Certificates ENEC certificate OT 80 220-240 24 DIM P
	Declarations of conformity Declaration of conformity - OT 80220-24024 P - OT 120220-24024 P - OT 240
	Installation/Operation notice Instruction Sheet OT 80220-24024 P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321981684	OT 80/220...240/24 P	Shipping carton box 10	499 mm x 140 mm x 393 mm	27.45 dm ³	10650.00 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.