
OT 50/220...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

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	0.98/0.94 ²⁾
ECG efficiency	86 % ³⁾
Device power loss	7.0 W
Inrush current	22 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	12
Max. ECG no. on circuit breaker 16 A (B)	19
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	4 kV
Nominal output voltage	24 V ⁵⁾
U-OUT (working voltage)	24 V
Nominal output power	50 W ⁶⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁷⁾

¹⁾ V_{AC} / Permitted voltage range

²⁾ Full load at 230 V/Half load at 230 V

³⁾ At full load and 230 V

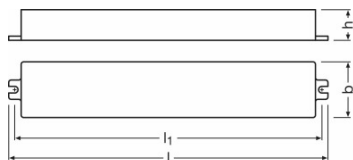
⁴⁾ $t_{width} = 270 \mu s$ (measured at 50 % I_{peak})

⁵⁾ +1.0/-0.5 V

⁶⁾ Partial load 0...50 W

⁷⁾ SELV-equivalent

Dimensions & weight



Length	220.0 mm
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Product datasheet

Width	40.0 mm
Height	22.0 mm
Mounting hole spacing, length	213.0 mm
Product weight	330.00 g
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ² ¹⁾
Wire preparation length, input side	10 mm
Wire preparation length, output side	10 mm
Cable/wire length, input side	300 mm
Cable/wire length, output side	300 mm

¹⁾ Flexible

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-25...+55 °C
Maximum temperature at tc test point	90 °C ¹⁾
Max.housing temperature in case of fault	100 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 80°C at tc point / 10 % failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	Yes ¹⁾
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	II
Type of connection, output side	Push terminal

¹⁾ With OPTOTRONIC dimmers

Product datasheet





Certificates & standards

Approval marks – approval	CE / CB / ENEC 10
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 61547
Protection class	II
Type of protection	IP66

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 OT 50220-24024 P
 Declarations of conformity DoC OT 50220-24024 P
 Installation/Operation notice Instruction Sheet OT 50220-24024 P

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899043510	OT 50/220...240/24 P	Shipping carton box 30	364 mm x 306 mm x 228 mm	25.40 dm ³	10025.00 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.