

OT 75/220...240/24

CV Power supplies 24 V



Areas of application

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

Product family benefits

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

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)

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Total harmonic distortion	< 20 %
Power factor λ	0.97 ²⁾
ECG efficiency	90 % ³⁾
Device power loss	9.0 W ⁴⁾
Protective conductor current	<2.0 mA
Inrush current	41 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	7
Max. ECG no. on circuit breaker 16 A (B)	11
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L-N)	1 kV
Nominal output voltage	24 V ⁶⁾
U-OUT (working voltage)	24 V
Nominal output power	75 W ⁷⁾
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3 kV ⁸⁾

¹⁾ Permitted voltage range

²⁾ Minimum

³⁾ At full load and 230 V

⁴⁾ Maximum at 230 V_{AC}, P_{out} = maximum, Ta=25 °C, steady state

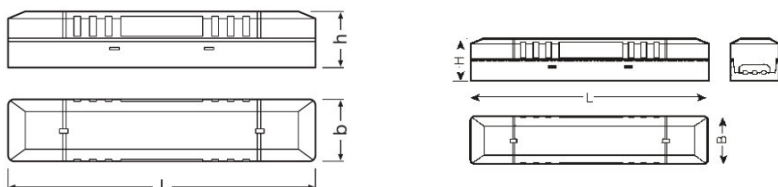
⁵⁾ $t_{width} = 200 \mu s$ (measured at 50 % I_{peak})

⁶⁾ ±1.0 V

⁷⁾ Partial load 0...75 W

⁸⁾ SELV

Dimensions & weight



Mounting hole spacing, length	180.0 mm
Product weight	290.00 g
Cable cross-section, input side	0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² ¹⁾
Wire preparation length, input side	6.0 mm
Wire preparation length, output side	6.0 mm
Cable/wire length, input side	-
Cable/wire length, output side	-
Length	220.0 mm
Width	47.0 mm
Height	44.0 mm

¹⁾ Solid or flexible leads

Colors & materials

Casing material	Plastic
-----------------	---------

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °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 ¹⁾
--------------	-----------------------

¹⁾ At $T_{case} = 80\text{°C}$ at T_c point / 10% failure rate

Product datasheet

Additional product data

Encapsulated	No
--------------	----

Capabilities

Dimmable	No ¹⁾
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Suitable for fixtures with prot. class	II
Type of connection, output side	Screw terminal

¹⁾ With OPTOTRONIC dimmers

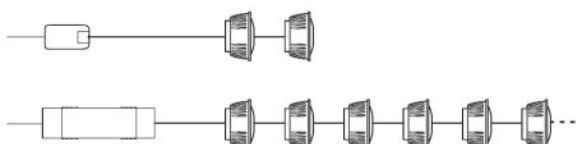
Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / VDE-EMC / RCM
Standards	Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to EN 55015/Acc. to IEC 61000-3-2/Acc. to EN 61000-3-3/Acc. to EN 61547
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	850440829000
----------------	--------------

Wiring Diagram









Wiring diagram

Wiring diagram




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	
	Addon Technical Information 313226_ADDON TECHNICAL INFORMATION OT 75220-24024 VS10 OSRAM (GB)
	Brochures OPTOTRONIC constant-voltage LED power supplies and controls (EN)
	Certificates OT ENEC 40038447 030720
	Declarations of conformity 334875_Declaration of conformity OT 75220-24024
	Declarations of conformity EU Declaration of Conformity 3578669
	CAD data 3-dim 313470_220x47x44 9900016

Product datasheet

	CAD data 3-dim 313501_220x47x44 9900016
	CAD data 3-dim 314272_220x47x44 9900016
	CAD data PDF 313401_220x47x44 9900016

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300817477	OT 75/220...240/24	Shipping carton box 10	252 mm x 118 mm x 246 mm	7.32 dm ³	3135.50 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.