

## PRODUCT DATASHEET

### OT 75/220...240/24

CV Power supplies 24 V | CV Power supplies 24 V



#### Areas of application

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

#### Product benefits

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

#### Product 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 wattage	83.00 W
Nominal output power	75 W <sup>1)</sup>
Nominal voltage	220...240 V
Nominal output voltage	24 V <sup>2)</sup>
Input voltage AC	198...264 V <sup>3)</sup>
U-OUT (working voltage)	24 V
Nominal current	0.38 A
Inrush current	41 A
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor $\lambda$	0.97 <sup>4)</sup>
ECG efficiency	90 % <sup>5)</sup>
Device power loss	9 W <sup>6)</sup>
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
Galvanic isolation	SELV

1) Partial load 0...75 W

2) +1.0/-0.5 V / Line ripple maximum  $\pm 0.2$  V

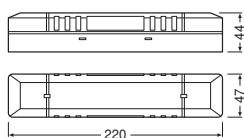
3) Permitted voltage range

4) Minimum

5) At full load and 230 V

6) Maximum at 230 V<sub>AC</sub>, P<sub>out</sub>=maximum, T<sub>a</sub>=25 °C, steady state

### Dimensions & Weight



Length	220.00 mm
Mounting hole spacing, length	180,0 mm
Width	47.00 mm

Height	44.00 mm
Cable cross-section, input side	0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0.5...1.5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	6,0 mm
Wire preparation length, output side	6,0 mm
Product weight	290.00 g

<sup>1)</sup> Solid or flexible leads

### Colors & materials

Casing material	Plastic
Body 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
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

ECG lifetime	50000 h <sup>1)</sup>
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<sup>1)</sup> At T<sub>case</sub> = 80°C at T<sub>c</sub> point / 10% failure rate

### Additional product data

Encapsulated	No
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### Capabilities

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

### Certificates & Standards

Approval marks – approval	CE / ENEC 10 / VDE / VDE-EMC / C-Tick
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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

Temperature range at storage	-40...+85 °C
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## 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

Documents and certificates		Document name
	Declarations of conformity	334875_Declaration of conformity OT 75/220-240/24
	Declarations of conformity	EU Declaration of Conformity 3578669
	Certificates	730563_VDE Certificate
	Certificates	VDE ENEC Certificate 40038447
CAD/BIM files		Document name
	CAD data 3D PDF	313401_220x47x44 9900016

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300817477	Unpacked 1		290.00 g	
4050300817484	Shipping box 10	252 mm x 118 mm x 246 mm	3135.50 g	7.32 dm <sup>3</sup>

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.

