

OT 6/200...240/24 CE

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

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

Technical data

Electrical data

Output power	6 W ¹⁾
Input voltage	180...254 V ²⁾
Mains frequency	50...60 Hz
Output voltage	24 V ³⁾
Nominal voltage	200...240 V
Nominal current	0.08 A
Device power loss	1.5 W ⁴⁾
Power factor λ	0.50 ⁵⁾
ECG efficiency	80 %
Inrush current	15 A ⁶⁾
Max. no. of ECGs on circuit breaker 10 A	30
Max. no. of ECGs on circuit breaker 16 A	48
Galvanic isolation primary/secondary	3 kV
Surge capability (L-N)	1 kV

1) Partial load 0.4...6 W

2) Permitted voltage range

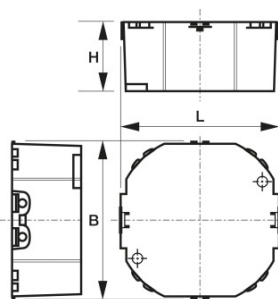
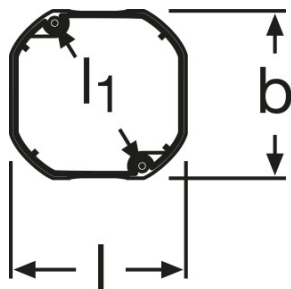
3) ± 0.8 V

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

5) Minimum

6) At 240 V_{AC}

Dimensions & weight



Product line drawing

Product line drawing - technical

Length	51.0 mm
Width	50.0 mm

Product datasheet

Height	22.0 mm
Product weight	73.00 g
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ²
Wire preparation length, input side	10 mm

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	70 °C
Max.housing temperature in case of fault	100 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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¹⁾ At tcase = 60°C at tc point / 10 % failure rate

Capabilities


Dimmable	Yes 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
Maximum wiring length ECG/lamp	10 m

¹⁾ With OPTOTRONIC dimmers

Certificates & standards

Type of protection	IP65
Standards	acc. to IEC 61347-2-13/acc. to IEC 62384/acc. to EN 55015/acc. to IEC 61000-3-2/acc. to IEC 61000-3-3/acc. to IEC 61547
Approval marks – approval	CE / VDE / ENEC 10

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