

OT 80/220...240/24 DIM P

CV Power supplies with 1...10 V

Areas of application

- Suitable for use in tight, flat luminaires or installation in suspended ceilings
- Suitable for indoor and outdoor SELV installations

Product benefits

- Versatile 1...10 V window driver up to 240 W due to flexible output characteristic
- Very high efficiency and reliability
- High IP protection (IP67)
- High surge protection: up to 3 kV (L-N) / 6 kV (L/N-PE)

Product features

- Dimmable via fully isolated 1...10 V interface
- Driver with output power range of up to 240 W

Technical data

Electrical data

Output power	80 W ¹⁾
Input voltage	198...264 V ²⁾
Mains frequency	50...60 Hz
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. no. of ECGs on circuit breaker 10 A	7
Max. no. of ECGs on circuit breaker 16 A	10
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⁾ At 360 μ s

⁹⁾ SELV-equivalent

Dimensions & weight

Length	250.0 mm
Width	50.0 mm
Height	34.0 mm
Product weight	900.00 g
Cable cross-section, input side	1.0 mm ² ¹⁾
Cable cross-section, output side	1.5 mm ² ¹⁾
Wire preparation length, input side	10...11 mm

¹⁾ Flexible

Colors & materials

Casing material	Metal
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Product datasheet

Temperatures

Ambient temperature range	-25...+55 °C
Temperature range at storage	-40...85 °C
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 tcase = 70°C at tc point / 10 % failure rate

Capabilities

Dimmable	Yes
Dimming range	1...100 %
Suitable for fixtures with prot. class	II
Dimming interface	1...10 V
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Maximum wiring length ECG/lamp	10 m

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

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321981677	OT 80/220...240/24 DIM P	Shipping carton box 10	393 mm x 140 mm x 499 mm	27.45 dm ³	10006.00 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.