
OTe 25/220...240/700 PC

CC Power supplies with Phasecut



Areas of application

- Optional cable clamp E-style for independent mounting (to be ordered separately)
- Suitable for indoor installations

Product benefits

- Compact housing for mounting in very tight spaces
- Compatible with the most common leading-edge and trailing-edge phase dimmers

Product features

- Dimmable via leading edge/trailing edge

Technical data

Electrical data

Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ¹⁾
Power factor λ	0.95/0.90 ²⁾
ECG efficiency	85 % ³⁾
Device power loss	4.4 W ⁴⁾
Inrush current	7 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	40
Max. ECG no. on circuit breaker 16 A (B)	65
Surge capability (L/N-Ground)	1 kV
Surge capability (L-N)	1 kV
Nominal output voltage	18...36 V ⁶⁾
U-OUT (working voltage)	60 V
Nominal output current	700 mA ⁷⁾
Output current tolerance	±10 %
Nominal output power	25 W ⁸⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV ⁹⁾

¹⁾ Permitted voltage range

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

³⁾ At full load and 230 V

⁴⁾ Maximum

⁵⁾ $t_{width} = 100 \mu s$ (measured at 50 % I_{peak})

⁶⁾ Maximum <48 V

⁷⁾ ±10%

⁸⁾ Partial load 12.5...25 W

⁹⁾ SELV-equivalent

Dimensions & weight

Length	95.0 mm
Width	53.0 mm
Height	30.0 mm
Mounting hole spacing, width	-
Product weight	110.00 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	8.0...9.0 mm
Wire preparation length, output side	8.0...9.0 mm

Product datasheet

¹⁾ Flexible / Solid Leads

Colors & materials

Casing material	Plastic
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Temperatures

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-25...75 °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 interface	Phase Cut ¹⁾
Dimming range	10...100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
No-load proof	Yes
Max. cable length to lamp/LED module	2.0 m
Suitable for fixtures with prot. class	I / II

¹⁾ Leading edge / Trailing edge

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / CB
Standards	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to CISPR 15/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 61347
Protection class	II
Type of protection	IP20










Logistical data

Temperature range at storage	-25...75 °C
Relative humidity	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Product datasheet

Download Data

File	
	Certificates VDE EMC OTe 25 700 PC - OTe 18 350 PC - OTe 18 500
	Certificates VDE approval new Phase Cut family G13
	Certificates CB report OTe 25 700 PC - OTe 18 350 PC - OTe 18 500
	Declarations of conformity EC-DoC OTe PC ZCI 3015365-DOC-00
	Installation/Operation notice OT PC dimmer list
	Installation guide OTe 25220-240700 PC
	CAD data 3-dim OTe 18-25 PC -cable clamp
	CAD data 3-dim OTe 18-25 PC -housing
	CAD data 3-dim OTe 18-25 PC -housing with cable clamp

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899105386	OTe 25/220...240/700 PC	Shipping carton box 20	284 mm x 207 mm x 100 mm	5.88 dm ³	2478.00 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.