

OTe 35/220...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	195...264 V ¹⁾
Power factor λ	0.95/0.90 ²⁾
ECG efficiency	87 % ³⁾
Device power loss	5.25 W ⁴⁾
Inrush current	< 10 A ⁵⁾
Max. ECG no. on circuit breaker 10 A (B)	30
Max. ECG no. on circuit breaker 16 A (B)	50
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...50 V ⁶⁾
U-OUT (working voltage)	58 V
Nominal output current	700 mA ⁷⁾
Output current tolerance	±5 %
Output ripple current (100 Hz)	< 35 %
Nominal output power	35 W ⁸⁾
Galvanic isolation	SELV equivalent
Galvanic isolation primary/secondary	3.75 kV

¹⁾ Permitted voltage range

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

³⁾ At full load and 230 V

⁴⁾ Maximum

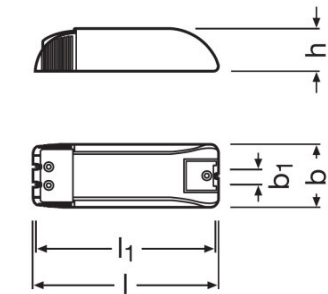
⁵⁾ $t_{\text{width}} = 250 \mu\text{s}$ (measured at 50 % I_{peak})

⁶⁾ Maximum <58 V

⁷⁾ ±5%

⁸⁾ Partial load 19...35 W

Dimensions & weight



Length	153.0 mm
Width	54.0 mm
Height	36.0 mm
Mounting hole spacing, length	146.0 mm
Product weight	165.00 g
Cable cross-section, input side	0.75...2.5 mm ² ¹⁾
Cable cross-section, output side	0.5...2.5 mm ² ¹⁾
Wire preparation length, input side	5.0 mm
Wire preparation length, output side	5.0 mm

¹⁾ Flexible / Solid leads

Colors & materials

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

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
Maximum temperature at tc test point	75 °C ¹⁾
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 %

¹⁾ Maximum at the Tc-point

Lifespan

ECG lifetime	50000 h ¹⁾
--------------	-----------------------

¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Additional product data

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

Capabilities

Dimmable	Yes
Dimming interface	Phase Cut ¹⁾
Dimming range	10...100 %
Dimming method	Amplitude Modulation / Pulse Width Modulation
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	II / I
Type of connection, output side	Push terminal

¹⁾ Leading edge

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / CB / C-Tick
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
Protection class	II
Type of protection	IP20

Logistical data

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

Download Data

File	
	Product Datasheet Datasheet OTe 35220-240700 PC
	Declarations of conformity 727840_Declaration OTe 35
	Installation/Operation notice Dimmer Compatibility List_OTe 35220-240700 PC
	Installation/Operation notice OT PC dimmer list
	CAD data 3-dim CAD OTe 35220-240700 PC

Logistical Data

Product datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321825520	OTe 35/220...240/700 PC	Shipping carton box 10	276 mm x 98 mm x 166 mm	4.49 dm ³	1812.00 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.