PRODUCT DATASHEET
OTe 13/220...240/350 PC

OPTOTRONIC | Compact constant current LED drivers – Dimmable phase-cut



AREAS OF APPLICATION

- Optional cable clamp E-style for independent mounting
- Suitable for indoor installations
- Suitable for indoor SELV 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
- Type of protection: IP20

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TECHNICAL DATA

Electrical data

Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Input voltage AC	198…264 V [1)]
Total harmonic distortion	< 20 %
Power factor λ	0.95/0.90 [2)]
ECG efficiency	84 % [3)]
Device power loss	2.6 W [4)]
Inrush current	5 A [5)]
Max. ECG no. on circuit breaker 10 A (B)	82
Max. ECG no. on circuit breaker 16 A (B)	130
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	1 kV
Surge capability (L-N)	1 kV
Nominal output voltage	18…38 V [6)]
U-OUT (working voltage)	50 V
Nominal output current	350 mA [7)]
Output current tolerance	±10 %
Output ripple current (100 Hz)	25 %
Nominal output power	13 W [8)]
Galvanic isolation	SELV
Galvanic isolation primary/secondary	3.04 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_{width} = 100 µs (measured at 50 % I_{peak})

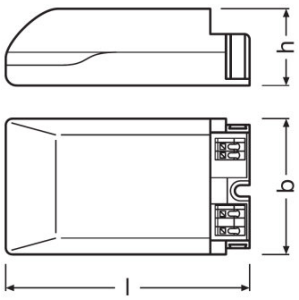
6) Maximum <48 V

7) ±10%

8) Partial load 6.5…13.5 W

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Dimensions & weight



Length	95.0 mm
Width	53.0 mm
Height	25.0 mm
Mounting hole spacing, length	-
Product weight	81.00 g
Cable cross-section, input side	0.75…1.5 mm² [1]
Cable cross-section, output side	0.5…1.5 mm² [1]
Wire preparation length, input side	8.0…9.0 mm
Wire preparation length, output side	8.0…9.0 mm

[1] Flexible / Solid leads

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+55 °C
Maximum temperature at tc test point	85 °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} = 75°C at T_c point / 10% failure rate

Additional product data

Encapsulated	No

Capabilities

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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	I / II
Type of connection, output side	Push terminal

[1)] Leading edge / Trailing edge

Certificates & standards

Approval marks – approval	CE / ENEC 10 / VDE / CB
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	-25...75 °C

DOWNLOAD DATA

	File
	Product Datasheet 496533_OT Technical DS OTe 13 350 PC
	Certificates VDE ENEC Certificate 40038447
	Certificates VDE EMC Certificate 40038482
	Certificates 496535_CB report OTe 10 700 PC and OTe 13 350 PC
	Declarations of conformity EU Declaration of Conformity 3365230
	Installation/Operation notice 544631_OT PC dimmer list
	Installation guide 501497_OTe 13220-240350 PC
	CAD data 3-dim 377012_OTe 10-13 PC -cable clamp
	CAD data 3-dim 377013_OTe 10-13 PC -housing

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	CAD data 3-dim 377014_OTe 10-13 PC -housing with cable clamp

LOGISTICAL DATA

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899105324	OTe 13/220...240/350 PC	Shipping carton box 20	284 mm x 207 mm x 90 mm	5.29 dm^3	2270.00 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.

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