

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

OPTOTRONIC® Phase-cut OTE | Compact constant current LED drivers



#### 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

## **TECHNICAL DATA**

# Electrical data

Nominal wattage	13.50 W
Nominal output power	13 W <sup>1)</sup>
Nominal voltage	220240 V
Nominal output voltage	1838 V <sup>2)</sup>
Input voltage AC	198264 V <sup>3)</sup>
U-OUT (working voltage)	50 V
Nominal output current	350 mA <sup>4)</sup>
Inrush current	5 A <sup>5)</sup>
Output current tolerance	±10 %
Output ripple current (100 Hz)	25 % <sup>6)</sup>
Mains frequency	50/60 Hz
Total harmonic distortion	< 20 %
Power factor $\lambda$	0.95 7)
ECG efficiency	84 % 8)
Device power loss	2,6 W <sup>9)</sup>
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
Galvanic isolation	SELV
Flickering metric (Pst LM)	≤1

<sup>1)</sup> Partial load 6.5...13.5 W

## Photometrical data

Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.6

# Dimensions & Weight

<sup>2)</sup> Maximum < 48 V

<sup>3)</sup> Permitted voltage range

<sup>4) &</sup>lt;sub>±10%</sub>

<sup>5)</sup>  $t_{width} = 100 \mu s$  (measured at 50 % beak)

<sup>6)</sup> Typical

<sup>7)</sup> Full load at 230 V/Minimum load at 230 V

<sup>8)</sup> At full load and 230  $\rm V$ 

<sup>9)</sup> Maximum

Length	95.00 mm
Width	53.00 mm
Height	25.00 mm
Cable cross-section, input side	0.751.5 mm <sup>2</sup> 1)
Cable cross-section, output side	0.51.5 mm <sup>2</sup> 1)
Wire preparation length, input side	8.09.0 mm
Wire preparation length, output side	8.09.0 mm
Product weight	81.00 g

<sup>1)</sup> Flexible / Solid leads

## Colors & materials

Casing material	Plastic
Body material	Plastic

# Temperatures & operating conditions

Ambient temperature range	-20+55 °C
Maximum temperature at to test point	85 °C <sup>1)</sup>
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % <sup>2)</sup>

<sup>1)</sup> Maximum at the Tc-point

# Lifespan

CG lifetime	50000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 75$ °C at  $T_{c}$  point / 10% failure rate

# Additional product data

Encapsulated	No
Capabilities	
Dimmable	Yes
Dimming interface	Dhaga Cut 1)

Dimming interface	Phase Cut 1)
Dimming range	10100 %
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m

<sup>2)</sup> Maximum 56 days/year at 85 %

Suitable for fixtures with prot. class	1/11
Type of connection, output side	Push terminal

<sup>1)</sup> 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	П	
Type of protection	IP20	

# LOGISTICAL DATA

Temperature range at storage -2575 °C
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# Accessories Optional

Product image	Product name	EAN
	OT CABLE CLAMP E-STYLE	4052899167896

## DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	544631_OT PC dimmer list
PDF	User instruction / safety instructions	501497_OTe 13/220-240/350 PC
PDF	Declarations of conformity	EU Declaration of Conformity 3365230
PDF	Certificates	496535_CB report OTe 10 700 PC and OTe 13 350 PC
PDF	Certificates	VDE ENEC Certificate 40038447
PDF	Certificates	VDE EMC Certificate 40038482

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899105324	Unpacked 1		100.00 g	
4052899105331	Shipping box 20	284 mm x 207 mm x 90 mm	1890.00 g	5.29 dm <sup>3</sup>

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.