

## PRODUCT DATASHEET

### OTe 35/220...240/700 CS

OPTOTRONIC ECO | Compact Constant Current LED Drivers – Non dimmable



#### AREAS OF APPLICATION

- Suitable for use in luminaires with flexible current setting (Tri-Tap)
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II
- Suitable for downlights, spotlights and LED panels
- Independent mounting via Cable Clamp Kit possible

#### PRODUCT FAMILY BENEFITS

- Versatile scope of application due to output power range of up to 54 W
- Efficient and reliable

#### PRODUCT FAMILY FEATURES

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h
- Independent connection via through-looping (depending on version of product)

**TECHNICAL DATA**

Electrical data

<b>Nominal voltage</b>	220...240 V
<b>Mains frequency</b>	50...60 Hz
<b>Input voltage AC</b>	195...264 V <sup>1)</sup>
<b>Total harmonic distortion</b>	< 20 %
<b>Power factor λ</b>	0.95 <sup>2)</sup>
<b>ECG efficiency</b>	87 % <sup>3)</sup>
<b>Device power loss</b>	5.3 W <sup>4)</sup>
<b>Inrush current</b>	16 A <sup>5)</sup>
<b>Max. ECG no. on circuit breaker 10 A (B)</b>	15
<b>Max. ECG no. on circuit breaker 16 A (B)</b>	25
<b>Max. ECG no. on circuit breaker 25 A (B)</b>	-
<b>Surge capability (L/N-Ground)</b>	1 kV
<b>Surge capability (L-N)</b>	1 kV
<b>Nominal output voltage</b>	27...54 V <sup>6)</sup>
<b>U-OUT (working voltage)</b>	60 V
<b>Nominal output current</b>	500 / 600 / 700 mA <sup>7)</sup>
<b>Output current tolerance</b>	±5 %
<b>Output ripple current (100 Hz)</b>	25 %
<b>Nominal output power</b>	35 W <sup>8)</sup>
<b>Galvanic isolation</b>	SELV
<b>Galvanic isolation primary/secondary</b>	3.75 kV <sup>9)</sup>

<sup>1)</sup> Permitted voltage range

<sup>2)</sup> Full load at 230 V/50 Hz

<sup>3)</sup> At full load and 230 V

<sup>4)</sup> At 230 V

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

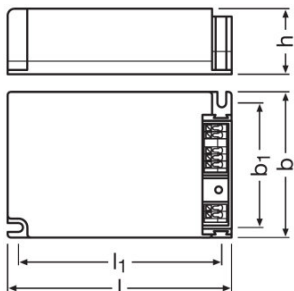
<sup>6)</sup> Maximum 60 V

<sup>7)</sup> ±5%

<sup>8)</sup> Partial load 13...37 W

<sup>9)</sup> SELV-equivalent

Dimensions & weight



<b>Length</b>	103.0 mm
<b>Width</b>	67.0 mm
<b>Height</b>	29.5 mm
<b>Mounting hole spacing, length</b>	94.0 mm
<b>Mounting hole spacing, width</b>	58.0 mm
<b>Cable cross-section, input side</b>	0.5...1.5 mm <sup>2</sup>
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>
<b>Product weight</b>	139.50 g
<b>Wire preparation length, input side</b>	8.0...9.0 mm
<b>Wire preparation length, output side</b>	8.0...9.0 mm

Colors & materials

<b>Casing material</b>	Plastic
------------------------	---------

Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Maximum temperature at tc test point</b>	75 °C <sup>1)</sup>
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>2)</sup>

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

<sup>2)</sup> Non-condensing

Lifespan

<b>ECG lifetime</b>	50000 / 35000 h <sup>1)</sup>
---------------------	-------------------------------

<sup>1)</sup> T<sub>c</sub> = 70°C, with max. 10% failure rate / T<sub>c</sub> = 75°C, with max. 10% failure rate

**Expected Lifetime**

Product name				
OTe 35/220...240/700 CS	ECG ambient temperature [ta]	-	-	-
	Temperature at tc-point [°C]	70	75	-
	Lifetime [h]	50000	35000	-

**Additional product data**

<b>Encapsulated</b>	No
---------------------	----

**Capabilities**

<b>Dimmable</b>	No
<b>No-load proof</b>	Yes
<b>Max. cable length to lamp/LED module</b>	2.0 m
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Type of connection, output side</b>	Push terminal






**Certificates & standards**

<b>Approval marks – approval</b>	ENEC 10 / VDE / CE
<b>Standards</b>	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 61547/Acc. to IEC 61000-3-3
<b>Type of protection</b>	IP20

**Logistical data**

<b>Temperature range at storage</b>	-25...75 °C
-------------------------------------	-------------

**DOWNLOAD DATA**

File
 Certificates VDE ENEC Certificate 40038384
 Certificates VDE EMC Certificate 40038482
 Declarations of conformity OTe CS CE 3365227 121119
 CAD data 3-dim 351090_OTe 35 CS-cable clamp-3D drawing
 CAD data 3-dim 351091_OTe 35 CS-housing-3D drawing

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899917569	Unpacked 1	103 mm x 29 mm x 67 mm	165.00 g	0.20 dm <sup>3</sup>
4052899917620	Shipping carton box 20	357 mm x 222 mm x 96 mm	3041.00 g	7.61 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.