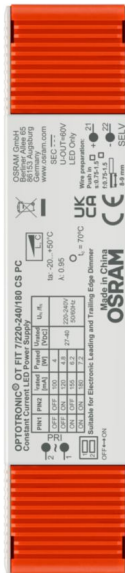


## OT FIT 7/220-240/180 CS PC (NEW)

OPTOTRONIC Phase-cut OT FIT | Compact constant current LED driver – Dimmable



### Product family features

- Cable clamp housing for independent mounting
- Dimmable on the leading edge and trailing edge
- Housing for independent installation

### Product family benefits

- Compatible with the most common leading-edge and trailing-edge phase dimmers
- Flexible current setting (DIPswitch – 2 to 4 currents)
- Flicker-free dimming
- Higher quality of light thanks to < 5% output ripple current
- Housing from 80% recycled plastic

## Areas of application

- Decorative illumination
- Downlights, flat luminaires
- Hospitality
- Living areas
- Museums, residential buildings
- Offices
- Shop lighting
- Suitable for indoor SELV installations
- Suitable for luminaires of protection class I and II

## Technical data

### Electrical data

Max. ECG no. on circuit breaker 10 A (B)	80
Max. ECG no. on circuit breaker 16 A (B)	128
Maximum output power	7.2 W
Nominal output current	100 mA / 120 mA / 155 mA / 180 mA <sup>1)</sup>
Nominal output power	2.7...7.2 W
Nominal output voltage	27...40 V <sup>2)</sup>
Nominal input voltage	220...240 V
Input voltage AC	198...264 V <sup>3)</sup>
Input voltage DC	not relevant
Device power loss	1.8 W <sup>4)</sup>
Efficiency in full-load	> 79 % <sup>5)</sup>
Galvanic isolation primary/secondary	SELV
Inrush current	< 10 A <sup>6)</sup>
Power factor $\lambda$	0.86C...0.95 <sup>7)</sup>
Mains frequency	50/60 Hz
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
U-OUT (working voltage)	60 V
Current set	DipSwitch
Output current tolerance	$\pm 7.5$ %
Output ripple current (100 Hz)	< 5 %
Protective conductor current	<0.7 mA
Total harmonic distortion	< 20 % <sup>8)</sup>
Default output current	180 mA

1)  $\pm 7.5$ %

2) Maximum 60 V

3) Permitted voltage range

4) Maximum

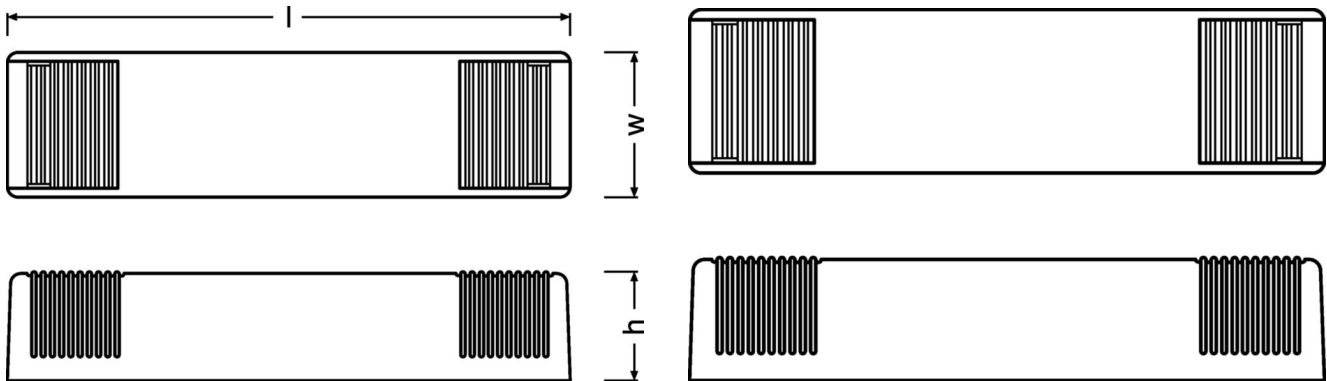
5) at 230 V, 50 Hz

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

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

8) Full load, 230V, 50 Hz

## Dimensions & weight



<b>Product weight</b>	60.00 g
<b>Length</b>	130.0 mm
<b>Height</b>	22.2 mm
<b>Width</b>	30.0 mm
<b>Cable cross-section, input side</b>	0.5...1.5 mm <sup>2 1)</sup>
<b>Cable cross-section, output side</b>	0.75...1.5 mm <sup>2 1)</sup>
<b>Cable/wire length, output side</b>	2000 mm
<b>Mounting hole spacing, length</b>	not relevant mm
<b>Mounting hole spacing, width</b>	not relevant mm
<b>Wire preparation length, input side</b>	8.0...9.0 mm
<b>Wire preparation length, output side</b>	8.0...9.0 mm

1) Flexible / Solid leads

## Colors & materials

<b>Casing material</b>	80% recycled plastic
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## Temperatures & operating conditions

<b>Ambient temperature range</b>	-20...+50 °C
<b>Max.housing temperature in case of fault</b>	110 °C
<b>Maximum temperature at tc test point</b>	70 °C <sup>1)</sup>
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>2)</sup>
<b>Temperature range at storage</b>	-20...80 °C

1) Maximum at the Tc-point

2) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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1) At maximum  $T_c = 70^\circ\text{C}$  / 10% failure rate

## Capabilities

<b>Max. cable length to lamp/LED module</b>	2.0 m <sup>1)</sup>
<b>Number of channels</b>	1
<b>Dimmable</b>	Yes
<b>Dimming interface</b>	Phase Cut <sup>2)</sup>
<b>Dimming method</b>	Amplitude Modulation
<b>Dimming range</b>	5...100 %
<b>Overload protection</b>	Automatic reversible
<b>Overheating protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<b>Suitable for through-wiring</b>	No
<b>Suitable for fixtures with prot. class</b>	I / II
<b>Type of connection, input side</b>	Push terminal
<b>Type of connection, output side</b>	Push terminal
<b>No-load proof</b>	Yes

1) Output wires must be routed as close as possible to each other

2) Leading edge / Trailing edge

## Certificates & standards

Type of protection	IP20
Standards	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-3 / Acc. to IEC 62384 / Acc. to IEC 61547 / Acc. to IEC 61000-3-3 / Acc. to EN 61000-3-2
Approval marks – approval	CCC / CE / UKCA / ENEC

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	29-07-2024
Primary Article Identifier	4062172286541
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

## Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Download Data

File		
Certificates	PDF	▶OT FIT 7 CS PC ENEC 35 122870 01 130723
CAD data 3-dim	Compressed	▶OT FIT PC CAD3PDF 270722
CAD data	Compressed	▶OT FIT PC STEP 270722
Mandatory Publications	PDF	▶OT FIT CS PC CE 3789414 13 220923
Mandatory Publications	PDF	▶OT FIT CS PC UK DoC 4290101 06 240923
User instruction	PDF	▶UI of 15111270 OT FIT 7W 14W CS PC



## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172286541	OT FIT 7/220-240/180 CS PC	Shipping carton box 20 Pieces	396 x 162 x 67 mm	4.30 dm <sup>3</sup>	68.25 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.