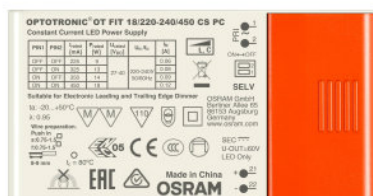


## OT FIT 18/220...240/450 CS PC SC

OPTOTRONIC Phase-cut OT FIT | Compact constant current LED drivers



### 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

### Product family benefits

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

### Product family features

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



## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V <sup>1)</sup>
Total harmonic distortion	< 20 %
Power factor $\lambda$	> 0.95 <sup>2)</sup>
ECG efficiency	>82 % <sup>3)</sup>
Device power loss	4.0 W <sup>4)</sup>
Protective conductor current	<0.7 mA
Inrush current	< 10 A <sup>5)</sup>
Max. ECG no. on circuit breaker 10 A (B)	33
Max. ECG no. on circuit breaker 10 A (C)	55
Max. ECG no. on circuit breaker 16 A (B)	53
Max. ECG no. on circuit breaker 16 A (C)	88
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...40 V <sup>6)</sup>
U-OUT (working voltage)	60 V
Nominal output current	225 / 325 / 350 / 450 mA <sup>7)</sup>
Output current tolerance	±7.5 %
Output ripple current (100 Hz)	< 5 %
Nominal output power	18 W <sup>8)</sup>
Galvanic isolation	SELV

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

<sup>2)</sup> Full load at 230 V/Minimum load at 230 V

<sup>3)</sup> At full load and 230 V / At 50 Hz

<sup>4)</sup> Maximum

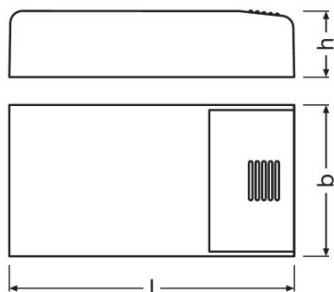
<sup>5)</sup>  $t_{width} = 100 \mu s$  (measured at 50 %  $I_{peak}$ )

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

<sup>7)</sup> ±7.5%

<sup>8)</sup> Partial load 6.1...18W

## Dimensions & weight



<b>Product weight</b>	77.70 g
<b>Cable cross-section, input side</b>	0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Cable cross-section, output side</b>	0.75...1.5 mm <sup>2</sup> <sup>1)</sup>
<b>Wire preparation length, input side</b>	5...6 mm
<b>Wire preparation length, output side</b>	5...6 mm
<b>Length</b>	95.0 mm
<b>Width</b>	50.0 mm
<b>Height</b>	22.0 mm

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

## Colors & materials

<b>Casing material</b>	Plastic
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## Temperatures & operating conditions

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

<sup>1)</sup> Maximum at the T<sub>c</sub>-point

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

## Lifespan

<b>ECG lifetime</b>	50000 / 30000 h <sup>1)</sup>
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<sup>1)</sup> At maximum T<sub>c</sub> = 70°C / 10% failure rate / At maximum T<sub>c</sub> = 80°C / 10% failure rate

## Additional product data

<b>Encapsulated</b>	No
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### Capabilities

<b>Dimmable</b>	Yes
<b>Dimming interface</b>	Phase Cut <sup>1)</sup>
<b>Dimming range</b>	5...100 %
<b>Dimming method</b>	Amplitude Modulation
<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<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, input side</b>	Screw terminal
<b>Type of connection, output side</b>	Screw terminal
<b>Number of channels</b>	1

<sup>1)</sup> Leading edge / Trailing edge

### Programming

<b>Tuner4TRONIC</b>	No
<b>Tuner4TRONIC Field App</b>	No
<b>Programming device</b>	DIPswitch



### Certificates & standards

<b>Approval marks – approval</b>	CE / CCC / ENEC / EAC / RCM
<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 61000-3-3/Acc. to IEC 61547
<b>Protection class</b>	II
<b>Type of protection</b>	IP20

### Logistical data

<b>Commodity code</b>	850440829000
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### Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	User instruction OPTOTRONIC LED Power Supply

## Product datasheet



Addon Technical Information  
OT FIT 18 PC CS DL 270120

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172088701	OT FIT 18/220...240/450 CS PC SC	Shipping carton box 20	264 mm x 202 mm x 64 mm	3.41 dm <sup>3</sup>	1671.00 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.