

## OT FIT 500/220-400/1A6 D NFC HC B L (NEW)

OPTOTRONIC FIT D NFC HC B | Linear / Area Constant Current – Non dimmable



### Product family features

- 1- and 2-channels drivers
- Line frequency: 47.5...60 Hz
- Versatile scope of application due to output power range of up to 1050 W
- Supply voltage: 220...240 V / 400 V
- Available with output current range: up to 1,600 mA
- Non-isolated drivers

### Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at  $T_c = 65\text{ °C}$ , max. 10 % failure rate)
- Higher quality of light thanks to < 1% output ripple current
- Very high efficiency (up to 97%)
- Protection against 4 kV burst and 2 kV surge voltage (L-N and L-N/PE)

## Areas of application

- Linear and area lighting
- Horticulture lighting
- Industry lighting
- Suitable for luminaires of protection class I

## Technical data

### Electrical data

Nominal input voltage	220...400 V
Nominal output current	400...1600 mA
Nominal output power	200...525 W
Nominal output voltage	150...550 V
Maximum output power	525 W
Mains frequency	50...60 Hz
Input voltage AC	198...440 V
Input voltage DC	not relevant
Default output current	400 mA
Device power loss	24 W / 19 W <sup>1)</sup>
Efficiency in full-load	96 % <sup>2)</sup>
Inrush current	9.4 A / 15.9 A <sup>3)</sup>
Max. ECG no. on circuit breaker 16 A (B)	5 / 12 <sup>4)</sup>
Max. ECG no. on circuit breaker 25 A (B)	8 / 18 <sup>5)</sup>
Output PSTLM	≤1
Output ripple current (100 Hz)	< 1 %
Output SVM	≤0.4
Power factor λ	> 0.98
Surge capability (L-N)	2 kV
Surge capability (L/N-Ground)	2 kV
Current set	NFC

1) At 230 V = 24 W / At 400 V = 19 W

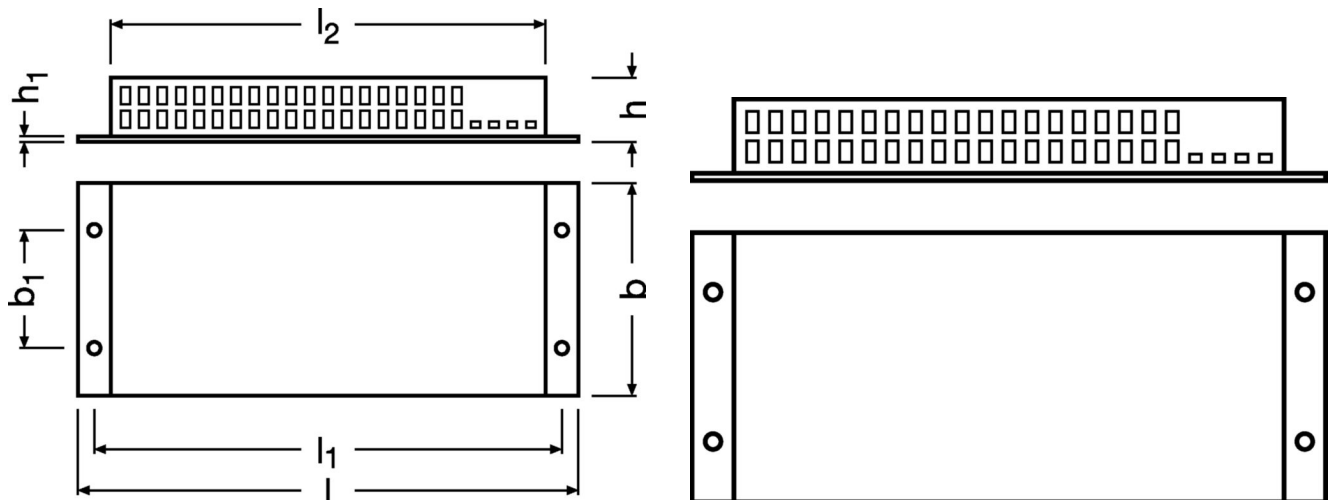
2) at 230 V, 50 Hz

3) At 230 V = 9.4 A / At 400 V = 15.9 A

4) At 230 V = 5 / At 400 V = 12

5) At 230 V = 8 / At 400 V = 18

## Dimensions & weight



Length	312.0 mm
Height	43.0 mm
Width	136.0 mm
Product weight	1400.00 g
Mounting hole spacing, length	258.0 mm

## Colors & materials

Casing material	not relevant
-----------------	--------------

## Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	50 °C
Permitted rel. humidity during operation	5...85 % <sup>1)</sup>
Temperature range at storage	-40...+85 °C

1) Maximum 56 days/year at 85 %

## Lifespan

<b>ECG lifetime</b>	100000 h / 50000 h
---------------------	--------------------

## Additional product data

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

## Capabilities

<b>Dimmable</b>	No
<b>Max. cable length to lamp/LED module</b>	2.5 m <sup>1)</sup>
<b>Overload protection</b>	Yes
<b>Overheating protection</b>	Yes
<b>Suitable for fixtures with prot. class</b>	I
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes
<b>Number of channels</b>	1
<b>Short-circuit protection</b>	Yes

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

## Programming

Programming device	DALI magic / FEIG
Tuner4TRONIC	Yes
Tuner4TRONIC Field App	Yes

## Certificates & standards

Type of protection	IP20
Approval marks – approval	CE
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 62384 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 61547

## Logistical data

Commodity code	85044083900
----------------	-------------

## Environmental information

### Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Declaration No. in SCIP database	In work
Date of Declaration	16-06-2024
Primary Article Identifier	4052899624436
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		
CAD data 2-dim	Compressed	▶ OT FIT 500 D NFC HC BL CAD2PDF 120721
CAD data 3-dim	Compressed	▶ OT FIT 500 D NFC HC BL CAD3PDF 120721
CAD data	Compressed	▶ OT FIT 500 D NFC HC BL IGS 120721
CAD data	Compressed	▶ OT FIT 500 D NFC HC BL STEP 120721
Mandatory Publications	PDF	▶ OT FIT D NFC HC B CE 4336926 03 160523
Mandatory Publications	PDF	▶ OT FIT D NFC HC B UK DoC 4419380 01 002923
User instruction	PDF	▶ UI OT FIT D NFC HC B



## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899624436	OT FIT 500/220-400/1A6 D NFC HC B L	Shipping carton box 5 Pieces	345 x 265 x 165 mm	15.09 dm <sup>3</sup>	1568.60 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

## Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 500/220-400/1A6 D NFC HC B L	PRH101 -USB	▶ 6977078996938
OT FIT 500/220-400/1A6 D NFC HC B L	CPR30 -USB	▶ 6977078996945

## Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.