

# PRODUCT DATASHEET OT FIT 40/200...240/1A0 CS

OPTOTRONIC© FIT CS G3 | Constant Current - Indoor - on/off



#### Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

#### **Product benefits**

- Higher quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency

#### Product features

- Lifetime: up to 50,000 h (temperature at max. t  $_{\rm C}$ )
- Cable clamp kit for independent mounting

#### **TECHNICAL DATA**

#### Electrical data

Nominal wattage	40.00 W
Nominal output power	2044.1 W
Nominal voltage	220240 V
Nominal output voltage	2542 V / 3042 V <sup>1)</sup>
Input voltage AC	198264 V
U-OUT (working voltage)	60 V
Nominal current	0.24 A
Nominal output current	800 mA / 900 mA / 950 mA / 1050 mA
Inrush current	$\leq 35 \text{ A}^{2}$
Output current tolerance	+/- 7.5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50/60 Hz
Total harmonic distortion	< 10 % <sup>3)</sup>
Power factor $\lambda$	0.98
Device power loss	4,9 W <sup>4)</sup>
Max. ECG no. on circuit breaker 10 A (B)	19
Max. ECG no. on circuit breaker 16 A (B)	31
Max. ECG no. on circuit breaker 25 A (B)	29
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Flickering metric (Pst LM)	≤1

<sup>1) &</sup>lt;sub>30 - 42</sub>V @ 1050 mA

# Photometrical data

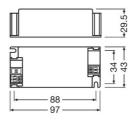
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

# Dimensions & Weight

<sup>2)</sup>  $t_{width}$  = 200  $\mu s$  (measured at 50 %  $t_{peak}$ )

<sup>3)</sup> At full load, 230 V, 50 Hz / see graphs

<sup>4)</sup> At 230 V, Input power 49 W max.



Length	97.00 mm
Mounting hole spacing, length	88,0 mm
Width	43.00 mm
Height	29.50 mm
Cable cross-section, input side	0.51.5 mm <sup>2</sup>
Cable cross-section, output side	0.51.5 mm <sup>2</sup>
Wire preparation length, input side	78 mm
Wire preparation length, output side	78 mm
Product weight	110.00 g

#### Colors & materials

Casing material	Plastic
Body material	Plastic

# Temperatures & operating conditions

Ambient temperature range	-20+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	585 % <sup>1)</sup>

<sup>1)</sup> Non-condensing

# Lifespan

ECG lifetime 50000 h 1)	
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<sup>1)</sup> At maximum  $T_{\rm C} = 80^{\circ}{\rm C} / 10\%$  failure rate

# Capabilities

Dimmable	No
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
Suitable for fixtures with prot. class	1/11
Type of connection, output side	Push terminal

#### Certificates & Standards

Approval marks – approval	CCC / CE / RCM / ENEC 05
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	I,II
Type of protection	IP20

# LOGISTICAL DATA

Temperature range at storage	-20+80 °C
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#### **DOWNLOAD DATA**

	Documents and certificates	Document name
PDF	User instruction / safety instructions	15605294 OPTOTRONIC LED Power Supply
PDF	Declarations of conformity	OT FIT 20 30 40-220-240-500 CS
PDF	Declarations of conformity UKCA	OT FIT 20 30 40-220-240-500 CS
PDF	Certificates	OT FIT CS ENEC 35 112395 180121

CAD/BIM files	Document name
CAD STEP 3D	OT fit 20-220240 500 cs
CAD STEP 3D	OTI DALI LT2 L G2 STEP 060220

# LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899617339	Unpacked 1			
4052899617797	Shipping box 20	228 mm x 208 mm x 78 mm	2403.00 g	3.70 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.