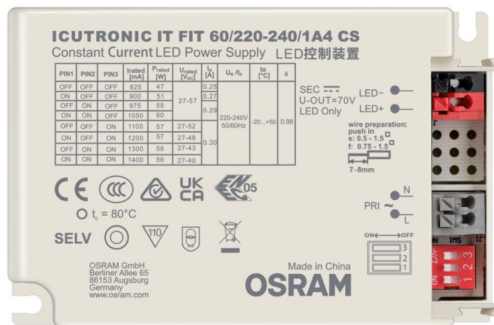


IT FIT 60/220-240/1A4 CS (NEW)

ICUTRONIC FIT CS (sq) | Compact constant current LED driver – Non dimmable

Product family features

- Lifetime: up to 50,000 h (temperature at max. t_c)
- Cable clamp kit for independent mounting



Product family 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

Areas of application

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

Technical data

Electrical data

Nominal input voltage	220...240 V
Nominal output current	825 mA / 900 mA / 975 mA / 1050 mA / 1000 mA / 1200 mA / 1300 mA / 1400 mA
Nominal output power	22.3...60 W
Nominal output voltage	27...57 V / 27...52 V / 27...48 V / 27...43 V / 27...40 V ¹⁾
Maximum output power	60 W
Mains frequency	50...60 Hz
Input voltage AC	198...264 V ²⁾
Input voltage DC	not relevant
Default output current	1400 mA
Device power loss	6.5 W
Efficiency in full-load	90 % ³⁾
Galvanic isolation primary/secondary	SELV
Inrush current	< 50 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	25
Max. ECG no. on circuit breaker 16 A (B)	40
Max. ECG no. on circuit breaker 25 A (B)	not relevant
Output current tolerance	±5 %
Output PSTLM	≤1
Output ripple current (100 Hz)	< 3 % ⁵⁾
Output SVM	≤0.4
Power factor λ	0.98 ⁶⁾
Protective conductor current	<0.7 mA
Surge capability (L-N)	1 kV
Surge capability (L/N-Ground)	2 kV
Total harmonic distortion	< 10 %
U-OUT (working voltage)	70 V
Current set	DipSwitch

1) At 825/900/975/1050 mA / At 1100 mA / At 1200 mA / At 1300 mA / At 1400 mA

2) Safety voltage range

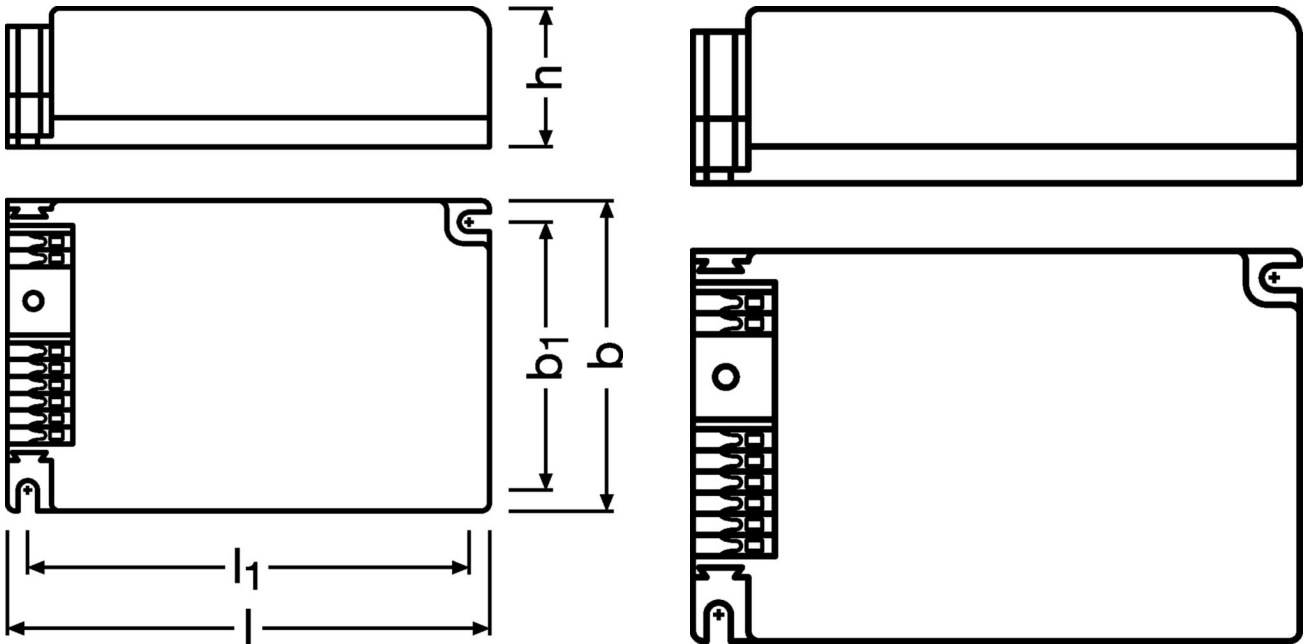
3) at 230 V, 50 Hz

4) $t_{width} = 70 \mu s$ (measured at 50 % I_{peak})

5) Ripple / average @ 100 Hz

6) Full load at 230 V / 50 Hz

Dimensions & weight



Length	103.0 mm
Height	29.5 mm
Width	67.0 mm
Product weight	155.00 g
Cable cross-section, input side	0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.5 mm ² / 0.75...1.5 mm ² ¹⁾
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Mounting hole spacing, length	94.0 mm
Mounting hole spacing, width	58.0 mm

1) Solid/ Flexible Leads

Colors & materials

Casing material	Plastic
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Max.housing temperature in case of fault	110 °C
Maximum temperature at tc test point	70 °C ¹⁾
Permitted rel. humidity during operation	5...85 % ²⁾
Temperature range at storage	-40...+85 °C

1) Measured on tc point indicated of the product label.

2) Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h ¹⁾
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1) At maximum $T_c = 80^\circ\text{C}$ / 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m ¹⁾
Overload protection	Automatic reversible
Overheating protection	Automatic switch off, reversible
Suitable for fixtures with prot. class	I / II
Suitable for through-wiring	Yes with optional cable clamp
Type of connection, input side	Push terminal
Type of connection, output side	Push terminal
Intended for no-load operation	No
No-load proof	Yes
Number of channels	1
Programming interface	Dipswitch
Short-circuit protection	Automatic reversible

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

Programming

Box programming	not relevant
Programming device	DIPswitch
Tuner4TRONIC	not relevant
Tuner4TRONIC Field App	not relevant

Certificates & standards

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

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Declaration No. in SCIP database	In work
Date of Declaration	29-07-2024
Primary Article Identifier	4062172306072
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	▶ IT FIT 60 CS ENEC 64142225019102 U6 190523
CAD data	Compressed	▶ OT FIT 75 1A6 CS STEP 220319
CAD data PDF	Compressed	▶ OT FIT 75 1A6 CS CAD3PDF 220319
Mandatory Publications	PDF	▶ IT FIT CS I CE 4304021 05 080823
Mandatory Publications	PDF	▶ IT FIT CS I UK DoC 4304027 03 220923
User instruction	PDF	▶ UI IT FIT 60 CS

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172306072	IT FIT 60/220-240/1A4 CS	Shipping carton box 20 Pieces	353 x 223 x 95 mm	7.48 dm ³	170.50 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
IT FIT 60/220-240/1A4 CS	OT CABLE CLAMP B-STYLE	▶ 4052899077881
IT FIT 60/220-240/1A4 CS	OT CABLE CLAMP B-STYLE TL	▶ 4052899948051

Disclaimer

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