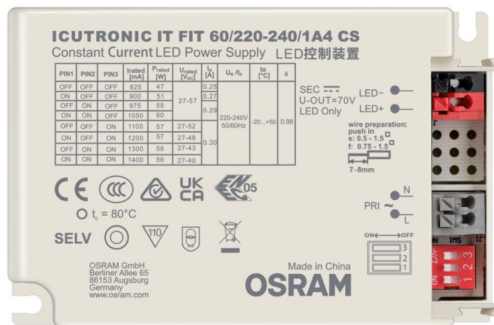


IT FIT 60/220...240/1A4 CS

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

Specifications are subject to changes without notice.

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support@inventronicsglobal.com

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 |
| Mains frequency | 50...60 Hz |
| Input voltage AC | 198...264 V ¹⁾ |
| Input voltage DC | not relevant |
| Current set | DipSwitch |
| Total harmonic distortion | < 10 % |
| Power factor λ | 0.98 ²⁾ |
| Efficiency in full-load | 90 % ³⁾ |
| Device power loss | 6.5 W |
| Protective conductor current | <0.7 mA |
| 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 |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 27...57 V / 27...52 V / 27...48 V / 27...43 V / 27...40 V ⁵⁾ |
| U-OUT (working voltage) | 70 V |
| Nominal output current | 825 mA / 900 mA / 975 mA / 1050 mA / 1000 mA / 1200 mA / 1300 mA / 1400 mA |
| Default output current | 1400 mA |
| Output current tolerance | ± 5 % |
| Output ripple current (100 Hz) | < 3 % ⁶⁾ |
| Output PSTLM | ≤ 1 |
| Output SVM | ≤ 0.4 |
| Nominal output power | 22.3...60 W |
| Maximum output power | 60 W |
| Galvanic isolation | SELV |

1) Safety voltage range

2) Full load at 230 V / 50 Hz

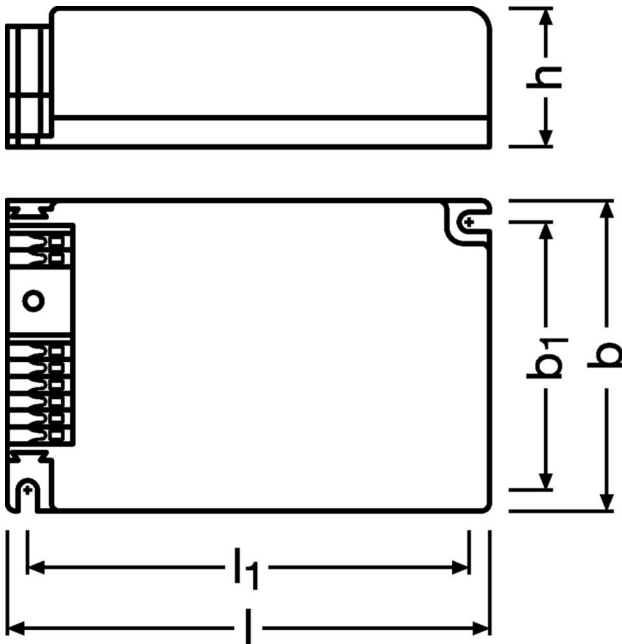
3) at 230 V, 50 Hz

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

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

6) Ripple / average @ 100 Hz

Dimensions & weight



| | |
|--------------------------------------|--|
| Length | 103.0 mm |
| Width | 67.0 mm |
| Height | 29.5 mm |
| Mounting hole spacing, length | 94.0 mm |
| Mounting hole spacing, width | 58.0 mm |
| 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 |
| Product weight | 155.00 g |

1) Solid/ Flexible Leads

Colors & materials

| | |
|-----------------|---------|
| Casing material | Plastic |
|-----------------|---------|

Temperatures & operating conditions

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

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

2) Maximum 56 days/year at 85 %

Lifespan

| | |
|---------------------|-----------------------|
| ECG lifetime | 50000 h ¹⁾ |
|---------------------|-----------------------|

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

Additional product data

| | |
|---------------------|----|
| Encapsulated | No |
|---------------------|----|

Capabilities

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

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

Programming

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

Certificates & standards

| | |
|---------------------------|---|
| 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 |
| Type of protection | IP20 |
| Protection class | II |

Logistical data

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

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|---------------|
| Date of Declaration | 22-03-2024 |
| Primary Article Identifier | 4062172306072 |
| Declaration No. in SCIP database | In work |

Download Data

| File | | |
|------------------------|------------|--|
| Certificates | PDF | ▶IT FIT 60 CS ENEC U6 084117 0132 210423 |
| 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 CE 4304021 161023 |
| Mandatory Publications | PDF | ▶IT FIT CS CE 4412654 100822 |
| Mandatory Publications | PDF | ▶IT FIT CS UK DoC 4442697 071122 |
| User instruction | PDF | ▶ICUTRONIC LED Power Supply |
| User instruction | PDF | ▶User manual of G15111742 IT FIT 60 1A4 CS |

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.

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 | 3410.00 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.

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 |

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