

OT FIT 40/200...240/1A0 CS

OPTOTRONIC FIT CS G3 | Constant Current Compact – 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 |
| Mains frequency | 50/60 Hz |
| Input voltage AC | 198...264 V |
| Total harmonic distortion | < 10 % ¹⁾ |
| Power factor λ | 0.98 |
| ECG efficiency | 90 % ²⁾ |
| Device power loss | 4.9 W ³⁾ |
| Protective conductor current | <0.7 mA |
| Inrush current | < 32 A ⁴⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 11 |
| Max. ECG no. on circuit breaker 10 A (C) | 19 |
| Max. ECG no. on circuit breaker 16 A (B) | 19 |
| Max. ECG no. on circuit breaker 16 A (C) | 31 |
| Max. ECG no. on circuit breaker 25 A (B) | 29 |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 25...42 / 30...42 V ⁵⁾ |
| U-OUT (working voltage) | 60 V |
| Nominal output current | 800 / 900 / 950 / 1050 mA |
| Output current tolerance | ±7.5 % |
| Output ripple current (100 Hz) | < 5 % |
| Output PSTLM | ≤1 |
| Output SVM | ≤0.4 |
| Nominal output power | 20...44.1 W |
| Galvanic isolation | SELV |
| Current set | DipSwitch |

¹⁾ At full load, 230 V, 50 Hz / see graphs

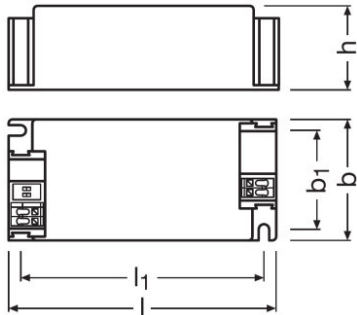
²⁾ At full load and 230 V / At 50 Hz

³⁾ At 230 V, Input power 49 W max.

⁴⁾ $t_{width} = 200 \mu s$ (measured at 50 % I_{peak})

⁵⁾ 30 - 42V @ 1050 mA

Dimensions & weight



| | |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length | 88.0 mm |
| Mounting hole spacing, width | 34.0 mm |
| Product weight | 110.00 g |
| Cable cross-section, input side | 0.5...1.5 mm ² |
| Cable cross-section, output side | 0.5...1.5 mm ² |
| Wire preparation length, input side | 7...8 mm |
| Wire preparation length, output side | 7...8 mm |
| Length | 97.0 mm |
| Width | 43.0 mm |
| Height | 29.5 mm |

Colors & materials

| | |
|-----------------|---------|
| Casing 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 |
| Temperature range at storage | -20...80 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

¹⁾ Non-condensing

Lifespan

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

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

Capabilities

Product datasheet

| | |
|--|----------------------|
| Dimmable | No |
| Overheating protection | Automatic reversible |
| Overload protection | Automatic reversible |
| Short-circuit protection | Automatic reversible |
| No-load proof | Yes |
| Max. cable length to lamp/LED module | 2.0 m |
| Suitable for fixtures with prot. class | I / II |
| Type of connection, input side | Push terminal |
| Type of connection, output side | Push terminal |
| Control interface | - |
| Detection angle (Light sensor) | - |
| Detection angle (PIR) | - |
| Number of channels | 1 |

Programming

| | |
|--------------------|-----------|
| Programming device | DIPswitch |
|--------------------|-----------|






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 |
| Type of protection | IP20 |

Logistical data

| | |
|----------------|--------------|
| Commodity code | 850440829000 |
|----------------|--------------|

Download Data

| File | |
|---|---|
|  | User instruction OPTOTRONIC LED Power Supply |
|  | Certificates OT FIT CS ENEC 35 112395 180121 |
|  | Declarations of conformity OT FIT CS CE 180121 |
|  | CAD data OT FIT 40 CS IGS 151020 |
|  | CAD data OT FIT 40 CS STEP 151020 |

Product datasheet



CAD data 3-dim
OT FIT 40 CS CAD3PDF 151020

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|-------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899617339 | OT FIT 40/200...240/1A0 CS | Shipping carton box 20 | 228 mm x 208 mm x 78 mm | 3.70 dm ³ | 2403.00 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.