

OT FIT 55/220...240/1A0 CS L G2

OPTOTRONIC FIT CS L G2 | Linear / Area Constant Current – Non dimmable



Product family features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 75 W
- Supply voltage: 220...240 V
- Available with output current range: up to 1,400 mA
- SELV system

Product family benefits

- Flexible current setting (DIPswitch – 4 currents)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- High efficiency
- High quality of light thanks to low output ripple current
- Fulfill safety requirement due to overload, overtemperature, Hot Plug protection

Areas of application

- Linear lighting for office, education, industry, storage areas and retail
- Installation in emergency lighting systems according to IEC 61347-2-13, appendix J
- Suitable for luminaires of protection class I

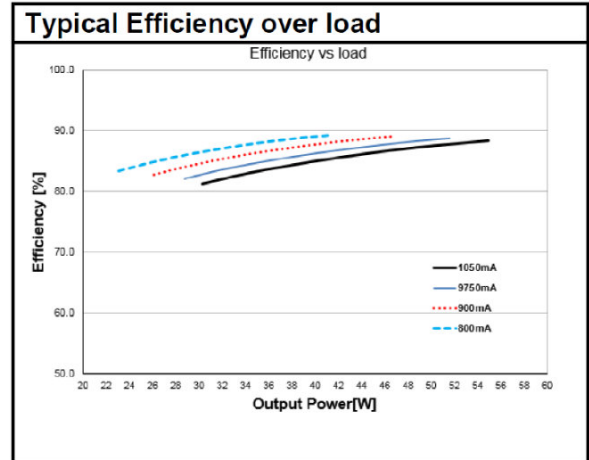
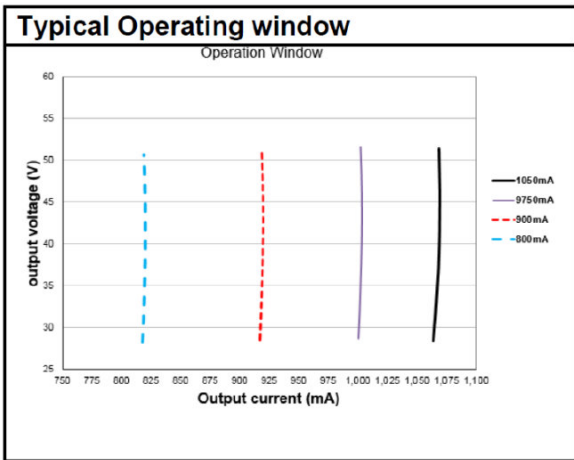


Technical data

Electrical data

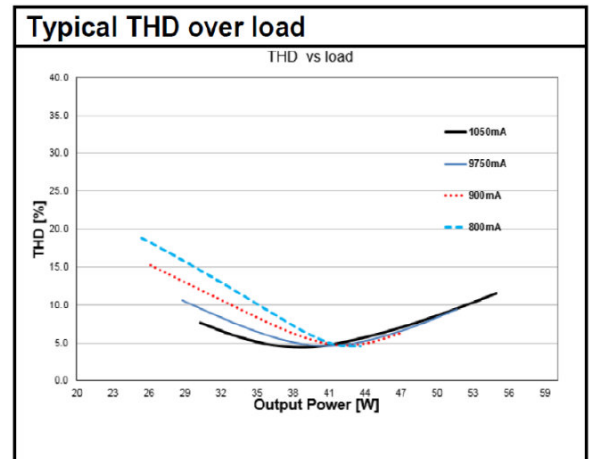
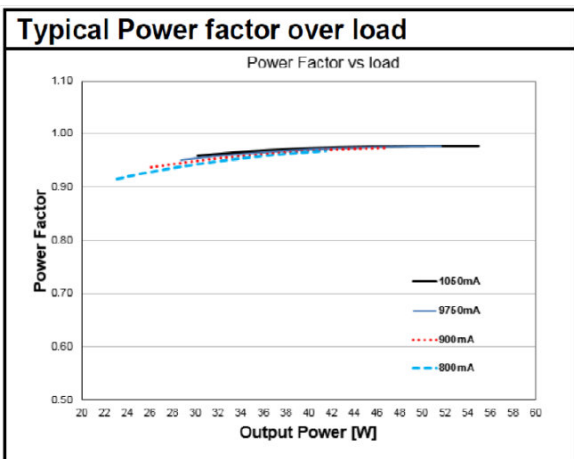
| | |
|--|---------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Input voltage AC | 198...264 V ¹⁾ |
| Input voltage DC | 176...276 V |
| Current set | DipSwitch |
| Total harmonic distortion | < 10 % |
| Power factor λ | 0.98 |
| ECG efficiency | up to 89 % |
| Device power loss | 7.0 W |
| Inrush current | 20 A |
| Max. ECG no. on circuit breaker 10 A (B) | 16 |
| Max. ECG no. on circuit breaker 16 A (B) | 25 |
| Max. ECG no. on circuit breaker 25 A (B) | - |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 27...51 V |
| U-OUT (working voltage) | < 60 V |
| Nominal output current | 800 / 900 / 975 / 1050 mA |
| Output current tolerance | ± 7.5 % |
| Output ripple current (100 Hz) | < 5 % |
| Output PSTLM | ≤ 1 |
| Output SVM | ≤ 0.4 |
| Nominal output power | 21.6...53.6 W |
| Galvanic isolation | SELV |

¹⁾ Permitted voltage range



OT FIT 55220-2401A0 CS L G2 Operating Window

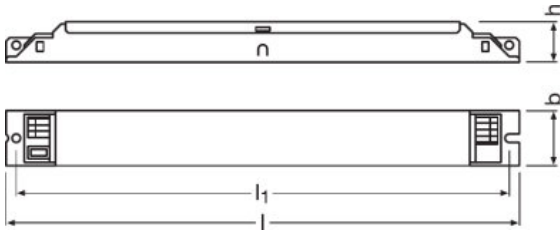
OT FIT 55220-2401A0 CS L G2 Typical Efficiency vs. Load (230 V 50 Hz)



OT FIT 55220-2401A0 CS L G2 Typical Power Factor vs. Load

OT FIT 55220-2401A0 CS L G2 Typical THD Vs Load

Dimensions & weight



| | |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length | 270.0 mm |
| Product weight | 217.00 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 | 8.5...9.5 mm |
| Wire preparation length, output side | 8.5...9.5 mm |
| Length | 280.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |

Colors & materials

| | |
|-----------------|-------|
| Casing material | Metal |
|-----------------|-------|

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -25...+50 °C |
| Maximum temperature at tc test point | 80 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -25...85 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |

¹⁾ Maximum 56 days/year at 85 %

Lifespan

| | |
|--------------|--------------------------------|
| ECG lifetime | 50000 / 100000 h ¹⁾ |
|--------------|--------------------------------|

¹⁾ At maximum $T_c = 75^\circ\text{C}$ / 10% failure rate / At $T_c = 65^\circ\text{C}$ / 10% failure rate

Capabilities

| | |
|----------|----|
| Dimmable | No |
|----------|----|

Product datasheet

| | |
|--|----------------------|
| Overheating protection | Automatic reversible |
| Overload protection | Non-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 |
| Type of connection, output side | Push terminal |
| Number of channels | 1 |

Programming

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









Certificates & standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / EL / ENEC 05 / EAC / CCC / RCM / BIS |
| 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 |
| Protection class | I |
| Type of protection | IP20 |

Logistical data

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

Download Data

| File |
|--|
|  User instruction OT FIT 35 55 75 220-240 CS L G2 |
|  Product Datasheet OT FIT 55220–2401050 CS L G2 |
|  Certificates INOTEC Certificate OT FIT 551A0 CS L G2 |
|  Certificates INOTEC Certificate OT FIT 551A0 CS L G2 appendix |
|  Certificates OT EMC 40038482 220421 |
|  Certificates VDE ENEC Certificate 40046756 |
|  Declarations of conformity OT FIT CS L G2 UK DoC 4281119 080321 |
|  Declarations of conformity OT FIT CS L G2 CE 3666934 080321 |

Product datasheet



Declarations of conformity
711957_Declaration of Conformity OT FIT CS L

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899522558 | OT FIT 55/220...240/1A0 CS L G2 | Shipping carton box 20 | 303 mm x 159 mm x 101 mm | 4.87 dm ³ | 4659.00 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.