

OT FIT 75/220...240/550 D NFC L

OPTOTRONIC FIT D NFC L | Linear / Area Constant Current – Non dimmable



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 installation in emergency lighting systems according to EN 60598-2-22
- Suitable for luminaires of protection class I

Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- High quality of light thanks to <1% output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature protection

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 550 mA
- Non-isolated drivers



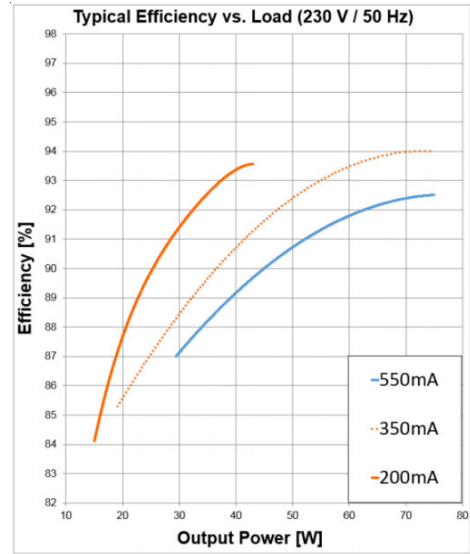
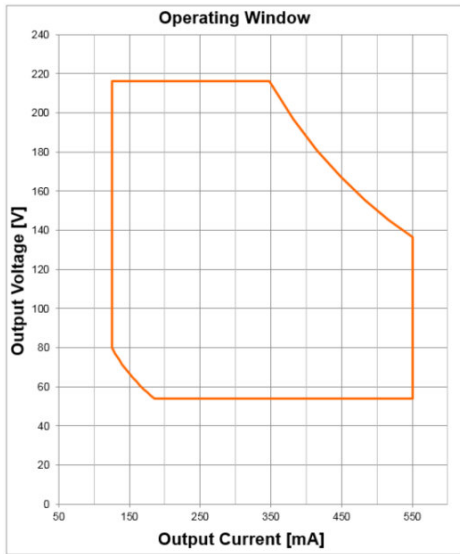
Technical data

Electrical data

| | |
|--|----------------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 0/50/60 Hz |
| Input voltage AC | 198...264 V |
| Input voltage DC | 176...276 V |
| Current set | NFC ¹⁾ |
| Power factor λ | > 0.95 |
| ECG efficiency | up to 94 % |
| Device power loss | 7.0 W |
| Inrush current | 41 A |
| Max. ECG no. on circuit breaker 10 A (B) | 16 |
| Max. ECG no. on circuit breaker 16 A (B) | 26 |
| 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 | 54...216 V |
| Nominal output current | 125...550 mA ²⁾ |
| Default output current | 125 mA |
| Output ripple current (100 Hz) | < 1 % |
| Output PSTLM | ≤ 1 |
| Output SVM | ≤ 0.4 |
| Nominal output power | 10...75 W |
| Galvanic isolation | Non isolated |

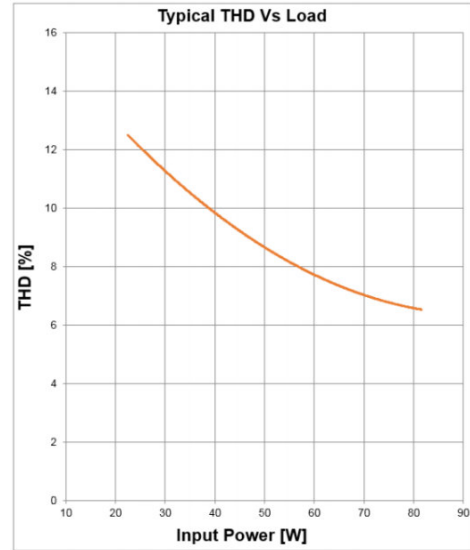
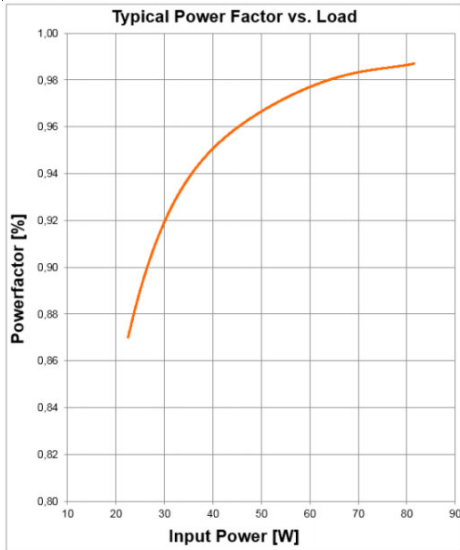
¹⁾ Factory setting: minimum nominal output current

²⁾ Factory setting: 125 mA



Operating Window

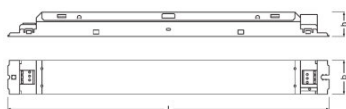
Typical Efficiency v Load 230 V 50 Hz



Typical Power Factor v Load

Typical THD v Load

Dimensions & weight



| | |
|--|---------------------------|
| Mounting hole spacing, length | 270.0 mm |
| Product weight | 180.00 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 | 8.0...9.0 mm |
| Length | 280.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |

Temperatures & operating conditions

| | |
|---|------------------------|
| Ambient temperature range | -25...+50 °C |
| Maximum temperature at tc test point | 75 °C |
| Max.housing temperature in case of fault | 110 °C |
| Temperature range at storage | -40...+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

Additional product data

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

Capabilities

| | |
|-------------------------------|----------------------|
| Dimmable | No |
| Overheating protection | Automatic reversible |

Product datasheet

| | |
|--|----------------------|
| 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 |
| Number of channels | 1 |












Certificates & standards

| | |
|---------------------------|--|
| Approval marks – approval | CE / EL / ENEC 10 / VDE-EMC / CCC / RCM |
| 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 |
| Type of protection | IP20 |

Logistical data

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

Download Data

| File | |
|---|--|
|  | User instruction OPTOTRONIC LED Power Supply |
|  | Product Datasheet Product datasheet OT FIT 75 NFC |
|  | Certificates OT EMC 40050085 200220 |
|  | Certificates OT ENEC 40038085 130720 |
|  | Declarations of conformity OT FIT D NFC L CE 3694918 140120 |
|  | Declarations of conformity EATON(CEAG)-Conformity declaration AM10971 OT FIT 75220-240550 D NFC L |
|  | Declarations of conformity INOTEC-Conformity declaration AM10971 OT FIT 75220-240550 D NEC L |
|  | CAD data OT FIT D NFC L IGS 251119 |
|  | CAD data OT FIT D NFC L STEP 251119 |
|  | CAD Data 2-dim OT FIT D NFC L CAD2PDF 251119 |
|  | CAD data 3-dim OT FIT D NFC L CAD3PDF 251119 |

Product datasheet

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|------------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899990180 | OT FIT 75/220...240/550 D NFC L | Shipping carton box 20 | 303 mm x 159 mm x 105 mm | 5.06 dm ³ | 3727.00 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.