

OT FIT 55/220-240/1A0 NFC L

OPTOTRONIC FIT NFC L (SELV) | 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
- Constant Lumen Output (CLO)
- Supply voltage: 220...240 V
- Available with output current range: up to 1,400 mA
- SELV driver

Product family benefits

- Flexible and future-proof current setting via NFC (Near Field Communication)
- Lifetime: up to 100,000 h (temperature at $T_c = 65^\circ\text{C}$, max. 10 % failure rate)
- Fulfilling SVM (≤ 0.4) and PsT (≤ 1.0) standards
- Higher quality of light thanks to $< 1\%$ output ripple current
- Very high efficiency
- Fulfill safety requirement due to overload, overtemperature 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

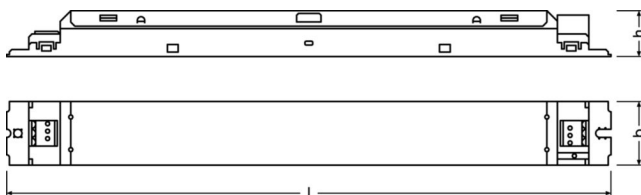
Technical data

Electrical data

| | |
|--|--------------------|
| Nominal input voltage | 220...240 V |
| Nominal output current | 400...1050 mA |
| Nominal output power | 21...55 W |
| Nominal output voltage | 20...51 V |
| Maximum output power | 55 W |
| Mains frequency | 50/60 Hz |
| Input voltage AC | 198...264 V |
| Input voltage DC | 176...276 V |
| Device power loss | 5.0 W |
| Efficiency in full-load | 90 % ¹⁾ |
| Inrush current | ≤ 20 A |
| Max. ECG no. on circuit breaker 10 A (B) | 8 |
| Max. ECG no. on circuit breaker 16 A (B) | 13 |
| Output PSTLM | ≤1 |
| Output SVM | ≤0.4 |
| Power factor λ | 0.71C...0.96 |
| Surge capability (L-N) | 1 kV |
| Surge capability (L/N-Ground) | 2 kV |
| Current set | NFC |

1) at 230 V, 50 Hz

Dimensions & weight



| | |
|--------------------------------------|----------------------------|
| Length | 280.0 mm |
| Height | 21.0 mm |
| Width | 30.0 mm |
| Product weight | 200.00 g |
| Cable cross-section, input side | 0.5... 1.5 mm ² |
| Wire preparation length, input side | 8.0...9.0 mm |
| Wire preparation length, output side | 8.0...9.0 mm |
| Mounting hole spacing, length | 270.0 mm |

Colors & materials

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

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | -25...+50 °C |
| Max.housing temperature in case of fault | 110 °C |
| Maximum temperature at tc test point | 75 °C |
| Permitted rel. humidity during operation | 5...85 % ¹⁾ |
| Temperature range at storage | -40...+85 °C |

1) Maximum 56 days/year at 85 %

Lifespan

| | |
|--------------|----------|
| ECG lifetime | 100000 h |
|--------------|----------|

Capabilities

| | |
|--|----------------------|
| Dimmable | No |
| Max. cable length to lamp/LED module | 2.0 m ¹⁾ |
| Overload protection | Automatic reversible |
| Overheating protection | Automatic reversible |
| Suitable for emergency lighting | Yes |
| Suitable for fixtures with prot. class | I |
| Intended for no-load operation | No |
| No-load proof | Yes |
| Number of channels | 1 |
| Short-circuit protection | Automatic reversible |

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

Programming

| | |
|--------------------|------|
| Box programming | Yes |
| Programming device | FEIG |

Certificates & standards

| | |
|---------------------------|--|
| Type of protection | IP20 |
| Approval marks – approval | CE / VDE-ENEC / EAC / CCC / BIS / RCM |
| Standards | Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to IEC 62386 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61547 |

Logistical data

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

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|---------------|
| Declaration No. in SCIP database | In work |
| Date of Declaration | 30-05-2024 |
| Primary Article Identifier | 4062172064026 |

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 | ▶ OT ENEC 40038447 270224 |
| CAD data 2-dim | Compressed | ▶ OT FIT NFC L CAD2PDF 030420 |
| CAD data 3-dim | Compressed | ▶ OT FIT NFC L CAD3PDF 030420 |
| CAD data | Compressed | ▶ OT FIT NFC L IGS 030420 |
| CAD data | Compressed | ▶ OT FIT NFC L STEP 030420 |
| Mandatory Publications | PDF | ▶ OT FIT NFC L CE 4177403 06 160523 |
| Mandatory Publications | PDF | ▶ OT FIT NFC L UK DoC 4281111 02 060923 |
| User instruction | PDF | ▶ OPTOTRONIC LED Power Supply |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|--------------------------------|----------------------------------|---|----------------------|--------------|
| 4062172064026 | OT FIT 55/220-240/1A0 NFC L | Shipping carton box 10 Pieces | 309 x 120 x 78 mm | 2.89 dm ³ | 101.00 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

Accessories Optional

| Product description | Accessory name | Accessory code |
|-----------------------------|----------------|-----------------|
| OT FIT 55/220-240/1A0 NFC L | PRH101 -USB | ▶ 6977078996938 |
| OT FIT 55/220-240/1A0 NFC L | CPR30 -USB | ▶ 6977078996945 |

Disclaimer

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