

OT FIT 25/220...240/700 LT2 S

OPTOTRONIC FIT LT2 S | Compact Constant Current LED Drivers – Non dimmable



Areas of application

- Luminaires with flexible current setting (LEDset2)
- Suitable for indoor SELV installations
- Suitable for luminaires of protection classes I and II
- Suitable for downlights, spotlights and LED panels
- Independent mounting via Cable Clamp Kit possible

Product family benefits

- Versatile scope of application due to output power range of up to 40 W
- Fulfill safety requirement due to overload, overtemperature protection
- High efficiency
- High quality of light thanks to <1% output ripple current
- Small housing for flexible luminaire designs



Product datasheet

Product family features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Safety according to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h (temperature at $T_c = 65\text{ °C}$, max. 10 % failure rate)
- Cable clamp kit for independent mounting

Technical data

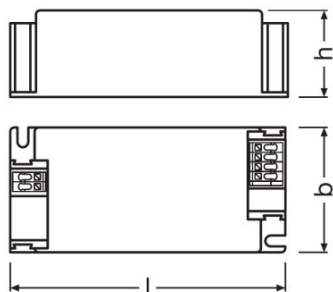
Electrical data

| | |
|--|--------------------|
| Nominal input voltage | 220...240 V |
| Mains frequency | 50/60 Hz |
| Input voltage AC | 198...264 V |
| Total harmonic distortion | 15 % |
| Power factor λ | 0.92 |
| ECG efficiency | 86.5 % |
| Device power loss | 4.5 W |
| Inrush current | 13 A ¹⁾ |
| Max. ECG no. on circuit breaker 10 A (B) | 20 |
| Max. ECG no. on circuit breaker 16 A (B) | 30 |
| Max. ECG no. on circuit breaker 25 A (B) | 42 |
| Surge capability (L/N-Ground) | 2 kV |
| Surge capability (L-N) | 1 kV |
| Nominal output voltage | 15...50 V |
| U-OUT (working voltage) | 60 V |
| Nominal output current | 300...700 mA |
| Output current LEDset open | - ²⁾ |
| Output current LEDset shorted | 700 mA |
| Output current tolerance | ±5 % |
| Output ripple current (100 Hz) | < 1 % |
| Nominal output power | 8.0...26.5 W |
| Galvanic isolation | SELV |
| Current set | LEDset2 |

¹⁾ $t_{width} = 225 \mu s$ (measured at 50 % I_{peak})

²⁾ Not allowed

Dimensions & weight



| | |
|--------------------------------------|---------------------------|
| Mounting hole spacing, length | 88.0 mm |
| Mounting hole spacing, width | 34.0 mm |
| Product weight | 95.00 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 | 6.5...7.5 mm |
| Wire preparation length, output side | 6.5...7.5 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 | 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 | 100000 h ¹⁾ |
|--------------|------------------------|

¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Additional product data

Product datasheet

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

Capabilities

| | |
|--|----------------------|
| 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, output side | Push terminal |










Certificates & standards

| | |
|---------------------------|---|
| Approval marks – approval | 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 61547/Acc. to IEC 61000-3-3 |
| Type of protection | IP20 |

Logistical data

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

Download Data

| File | |
|---|--|
|  | User instruction OPTOTRONIC LED Power Supply |
|  | Product Datasheet OT FIT 25220-240700 LT2 S |
|  | Brochures 730877_Brochure OT FIT LT2 S (EN) |
|  | Certificates 729794_Certificate OT FIT LT2 S |
|  | Certificates VDE ENEC Certificate 40038384 |
|  | Certificates VDE EMC Certificate 40039188 |
|  | Declarations of conformity EU Declaration of Conformity 3432845 |
|  | CAD data 722872_OT FIT-LT2S-15-25-40-housing-3Ddrawing STEP |
|  | CAD data 722871_OT FIT-LT2S-15-25-40-cable clamp 3Ddrawing.STEP |

Product datasheet



CAD data
722873_OT FIT-LT2S-15-25-40-housing with cable clamps-3Ddrawing STEP

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|----------------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899957008 | OT FIT 25/220...240/700 LT2 S | Shipping carton box 20 | 228 mm x 208 mm x 78 mm | 3.70 dm ³ | 2006.00 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.