

OT FIT 55/220-240/1A0 CS

OPTOTRONIC FIT AP | Linear / Area Constant Current – Non dimmable



Areas of application

- Suitable for luminaires of protection class I
- Suitable for indoor SELV installations
- Luminaires with flexible current setting (Tri-Tap) or factory-set fixed current
- Suitable for linear and area luminaires

Product family benefits

- Higher quality of light thanks to low output ripple current
- High flexibility with four different output currents from one driver
- Small housing for flexible luminaire designs
- High efficiency

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 according to EN 55015:2007+A1:2007/CDN
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 100,000 h
- SELV system

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50/60 Hz
Input voltage AC	198...264 V
Input voltage DC	-
Power factor λ	0.98 ¹⁾
ECG efficiency	90 % ²⁾
Device power loss	6.4 W ³⁾
Inrush current	< 16 A ⁴⁾
Max. ECG no. on circuit breaker 10 A (B)	14
Max. ECG no. on circuit breaker 16 A (B)	23
Max. ECG no. on circuit breaker 25 A (B)	36
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Nominal output voltage	27...54 V
Nominal output current	800 / 900 / 975 / 1050 mA
Nominal output power	21.6...56.7 W ⁵⁾
Galvanic isolation primary/secondary	3.75 kV

¹⁾ Full load at 230 V/50 Hz

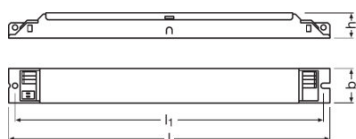
²⁾ Typical / At full load and 230 V / At 50 Hz

³⁾ At 230 V, Input power 63 W max.

⁴⁾ $t_{\text{width}} = 100 \mu\text{s}$ (measured at 50 % I_{peak})

⁵⁾ Partial load

Dimensions & weight



Mounting hole spacing, length	-
Product weight	195.00 g
Cable cross-section, input side	0.5...1.5 mm ²

Product datasheet

Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	-
Length	280.0 mm
Width	30.0 mm
Height	21.0 mm

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
Permitted rel. humidity during operation	5...85 %

Lifespan

ECG lifetime	50000 / 100000 h ¹⁾
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¹⁾ At maximum T_c = 75°C / 10% failure rate / At T_c = 65°C / 10% failure rate

Additional product data

Encapsulated	-
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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	-

Certificates & standards

Approval marks – approval	CE / CCC / ENEC 05
Type of protection	IP20

Logistical data

Temperature range at storage	-20...80 °C
Commodity code	888888888888

Download Data

File

Product datasheet



Declarations of conformity
727246_EC OT FIT CS L AP

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899458437	OT FIT 55/220-240/1A0 CS	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm ³	4219.00 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.