

OT FIT 300/220-240/24 P

OPTOTRONIC FIT 24V P | Constant Voltage – Non dimmable



Product family features

- Small housing design for mounting in coves or linear luminaires
- Versatile scope of application thanks to an output power range of up to 300 W
- Robust and durable design for outdoor applications

Areas of application

- For example luminous signage in areas such as hotels
- Public squares and architecture lighting
- Suitable for indoor and outdoor SELV installations

Technical data

Electrical data

Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Input voltage DC	not relevant
Total harmonic distortion	< 5 % ¹⁾
Power factor λ	0.95...0.99
Efficiency in full-load	93 % ²⁾
Device power loss	22.5 W
Inrush current	60 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	2
Max. ECG no. on circuit breaker 16 A (B)	4
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	4 kV
Nominal output voltage	24 V
U-OUT (working voltage)	< 25.5 V
Nominal output power	150...300 W
Maximum output power	300 W ⁴⁾
Galvanic isolation	SELV
Nominal input current at 230 V	1.7 A

1) At full load, 220...240 V, 50 Hz

2) at 230 V, 50 Hz

3) At Full Load, 240VAC, Cold Start

Duration=800uS 50%Ipk—50%Ipk

4) at steady state

Dimensions & weight



Length	260.0 mm
Width	68.0 mm
Height	39.6 mm
Mounting hole spacing, length	249.0 mm
Mounting hole spacing, width	34.0 mm
Cable cross-section, input side	1.0 mm ²
Cable cross-section, output side	1.0 mm ²
Wire preparation length, input side	60 mm
Wire preparation length, output side	60 mm
Product weight	1125.00 g

Colors & materials

Casing material	Aluminium
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Temperatures & operating conditions

Ambient temperature range	-40...+50 °C
Maximum temperature at tc test point	90 °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) Non-condensing

Lifespan

ECG lifetime	50000 h ¹⁾
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1) At $T_c = 80^\circ\text{C}$ / 0.2% / 1,000 h failure rate

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	3.0 m ¹⁾
Suitable for fixtures with prot. class	I
Type of connection, input side	Cables
Type of connection, output side	Cables
Number of channels	1
Overheating protection	Yes
Overload protection	Yes
Short-circuit protection	Yes
Intended for no-load operation	No
No-load proof	Yes

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

Certificates & standards

Approval marks – approval	CE / CCC / TISI / RCM
Standards	IEC 61347-1 / IEC 61347-2-13 / EN 55015 / EN 61547 / EN 61000-2-2 / EN 61000-3-2 / EN 60598-1 / EN 62384
Type of protection	IP66/IP67

Logistical data

Commodity code	85044083900
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	10-06-2026
Primary Article Identifier	4062172085687 6937186115096
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

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		
Product Datasheet	PDF	▶ OT FIT 300 220-240 24 P 6937186115096 TDS 310326
Certificates	PDF	▶ CED OT FIT xx 12P family 2024-08
Mandatory Publications	PDF	▶ OT FIT 24 P CE 4153816 06 160125
User instruction	PDF	▶ G15130928 UI_OT FIT 80_150_200_300 P_2P_MiCh_INV v5

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6937186115096 INVENTRONICS	OT FIT 300/220-240/24 P	Shipping carton box 10 Pieces	419 x 329 x 123 mm	16.96 dm ³	1194.10 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.