

OT FIT 300/220-240/12 P

CV Power supplies 12 V



Product family features

Product family benefits

- Versatile scope of application due to output power range of up to 300 W
- Very high efficiency
- IP rating: up to IP67
- High surge protection: up to 6 kV (L-N) / 6 kV (L/N-PE)

Areas of application

- Suitable for indoor and outdoor installations
- Ideal for mounting in very tight spaces

Technical data

Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 % ¹⁾
Power factor λ	0.95 ²⁾
Efficiency in full-load	91 % ³⁾
Device power loss	28 W
Inrush current	70 A ⁴⁾
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)	6 kV
Nominal output voltage	12.5 V
U-OUT (working voltage)	13 V
Nominal output power	300 W
Maximum output power	300 W ⁵⁾
Galvanic isolation	SELV

1) At full load, 230 V, 50 Hz / see graphs

2) Typical, Full load, 230 VAC, 50 Hz / 60 Hz

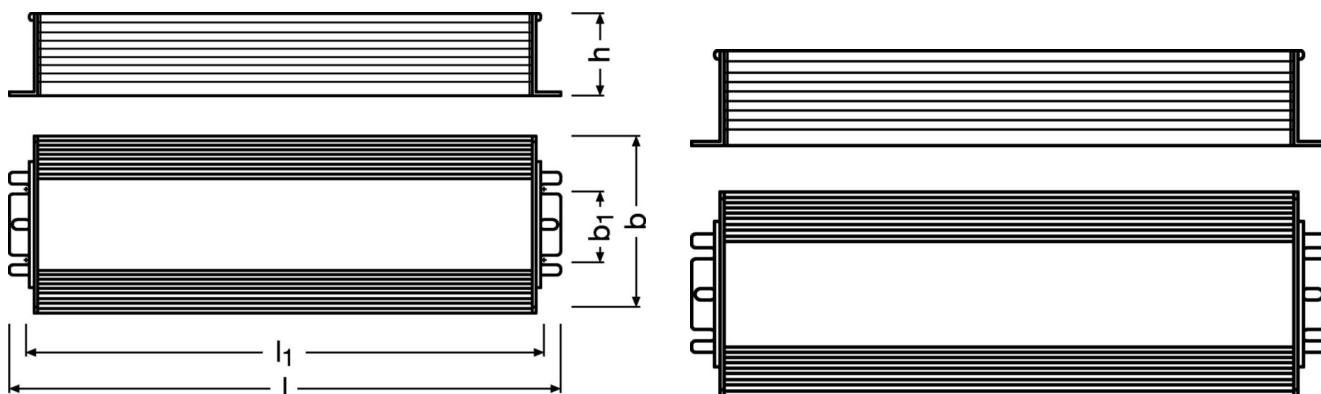
3) at 230 V, 50 Hz

4) At Full Load, 240VAC, Cold Start

Duration=800uS 50%I_{pk}—50%I_{pk}

5) at steady state

Dimensions & weight



Length	266.0 mm
Width	83.0 mm
Height	39.5 mm
Mounting hole spacing, length	251 mm
Mounting hole spacing, width	34.0 mm
Cable cross-section, input side	1.0 mm ^{2 1)}
Cable cross-section, output side	2.5 mm ^{2 2)}
Wire preparation length, input side	60 mm
Wire preparation length, output side	10 mm
Product weight	1510.00 g

1) H05RN-F/3x1.0 mm²

2) H07RN-F/2x2.5 mm²

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-40...+50 °C
Maximum temperature at tc test point	90 °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) T_c = 80°C, 0.2% / 1,000 h failure rate

Capabilities

Dimmable	No
Suitable for fixtures with prot. class	I
Type of connection, input side	Wires
Type of connection, output side	Wires
Number of channels	1
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No
No-load proof	Yes

Certificates & standards

Approval marks – approval	CE / CCC / ENEC / TISI / RCM
Standards	Acc. to EN 61347-1 / Acc. to EN 61347-2-13 / Acc. to EN 55015 / Acc. to EN 61547 / Acc. to EN 61000-3-2 / Acc. to EN 61000-3-3 / Acc. to EN 60598-1 / Acc. to EN 62384
Type of protection	IP66/IP67
Protection class	I

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	25-03-2024
Primary Article Identifier	4062172133548
Declaration No. in SCIP database	In work

Download Data

File		
CAD data 3-dim	Compressed	▶ OT FIT 300 220-240 12 P - 3D stp file
Mandatory Publications	PDF	▶ OT FIT P UK DoC 4281103 020621
Declarations of conformity	PDF	▶ OT FIT 12P CE 4192443 04 280523
User instruction	PDF	▶ OPTOTRONIC LED Power Supply

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172133548	OT FIT 300/220-240/12 P	Shipping carton box 10 Pieces	419 x 329 x 123 mm	16.96 dm ³	15747.00 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.