

CV Power supplies 12 V



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

Product family datasheet

Technical data

Product description	Electrical data						
	Nominal output power	Mains frequency	Nominal voltage	Nominal current	Device power loss	Power factor λ	Inrush current
OT FIT 60/220-240/12 P	60 W	50...60 Hz	220...240 V	0.36 A	8.6 W	0.95 ¹⁾	45 A ²⁾
OT FIT 150/220-240/12 P	150 W	50...60 Hz	220...240 V	0.85 A	14.8 W	0.95 ¹⁾	55 A ⁷⁾
OT FIT 300/220-240/12 P	300 W	50...60 Hz	220...240 V	1.8 A	28 W	0.95 ¹⁾	70 A ⁸⁾

Product description	Output ripple Voltage (100 Hz)	Efficiency in full-load	Nominal output voltage	Input voltage AC	Dimensions & weight
					Length
OT FIT 60/220-240/12 P	< 3 % ³⁾	87 % ⁴⁾	12.5 V	198...264 V	157.0 mm
OT FIT 150/220-240/12 P	< 3 % ³⁾	91 % ⁴⁾	12.5 V	198...264 V	202.0 mm
OT FIT 300/220-240/12 P	< 3 % ³⁾	91 % ⁴⁾	12.5 V	198...264 V	266.0 mm

Product description	Width	Height	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Temperatures & operating conditions
						Ambient temperature range
OT FIT 60/220-240/12 P	53.0 mm	31.5 mm	153 mm	27.0 mm	473.00 g	-40...+50 °C ⁵⁾
OT FIT 150/220-240/12 P	53.0 mm	31.5 mm	188.0 mm	27.0 mm	920.00 g	-40...+50 °C ⁵⁾
OT FIT 300/220-240/12 P	83.0 mm	39.5 mm	251 mm	34.0 mm	1510.00 g	-40...+50 °C ⁵⁾

Product description	Permitted rel. humidity during operation	Additional product data	Capabilities	
		Predecessor EAN	Suitable for fixtures with prot. class	Overheating protection
OT FIT 60/220-240/12 P	5...85 % ⁶⁾	4008321790811	I / II	Automatic reversible
OT FIT 150/220-240/12 P	5...85 % ⁶⁾	4008321790835	I / II	Automatic reversible
OT FIT 300/220-240/12 P	5...85 % ⁶⁾		I / II	Automatic reversible

Product description	Overload protection	Short-circuit protection	No-load proof	Dimmable	Number of channels
OT FIT 60/220-240/12 P	Automatic reversible	Automatic reversible	Yes	No	1
OT FIT 150/220-240/12 P	Automatic reversible	Automatic reversible	Yes	No	1
OT FIT 300/220-240/12 P	Automatic reversible	Automatic reversible	Yes	No	1

Product family datasheet

Product description	Certificates & standards			Logistical data
	Type of protection	Standards	Approval marks – approval	Commodity code
OT FIT 60/220-240/12 P	IP66/IP67	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	CE / CCC / ENEC / TISI / RCM	850440839000
OT FIT 150/220-240/12 P	IP66/IP67	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	CE / CCC / ENEC / TISI / RCM	850440839000
OT FIT 300/220-240/12 P	IP66/IP67	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	CE / CCC / ENEC / TISI / RCM	850440839000

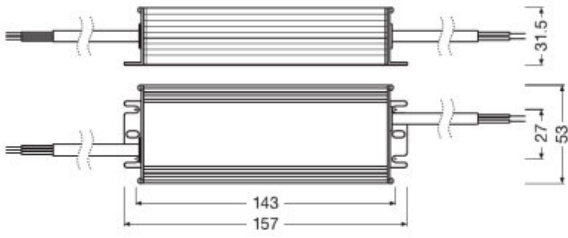
Product description	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
OT FIT 60/220-240/12 P	28-04-2023	4062172133487	Lead	7439-92-1
OT FIT 150/220-240/12 P	21-04-2023	4062172133500	Lead	7439-92-1
OT FIT 300/220-240/12 P	19-05-2023	4062172133548	Lead	7439-92-1

Product description	Safe Use Instruction	Declaration No. in SCIP database
OT FIT 60/220-240/12 P	The identification of the Candidate List substance is sufficient to allow safe use of the article.	1e137453-4bbb-4752-a12a-f0fd7442c94e
OT FIT 150/220-240/12 P	The identification of the Candidate List substance is sufficient to allow safe use of the article.	5941b12c-fdbd-4665-be0a-8342b8906820
OT FIT 300/220-240/12 P	The identification of the Candidate List substance is sufficient to allow safe use of the article.	f6f619d4-fd85-43b3-ad54-4e74de23f6ac

Product family datasheet

- 1) Typical, Full load, 230 VAC, 50 Hz / 60 Hz
- 2) At Full Load, 240VAC, Cold StartDuration=250uS 50% Ipk–50% Ipk
- 3) ripple @ 100 Hz / full load
- 4) at 230 V, 50 Hz
- 5) At fullload, Tc not exceeded
- 6) Non-condensing
- 7) At Full Load, 240VAC, Cold StartDuration=500uS 50%Ipk–50%Ipk
- 8) At Full Load, 240VAC, Cold StartDuration=800uS 50%Ipk–50%Ipk

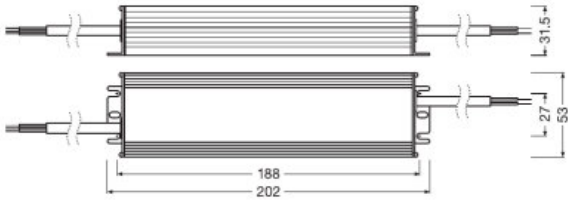
Product family datasheet



Line drawing of OT FIT 60220-24012 P



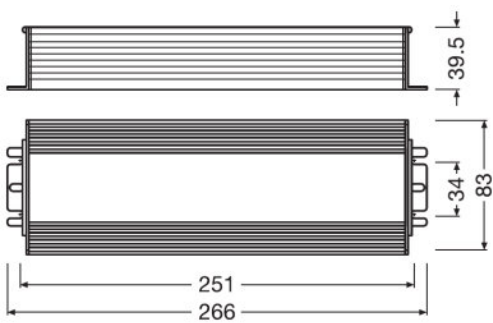
Line drawing of OT FIT 60220-24012 P



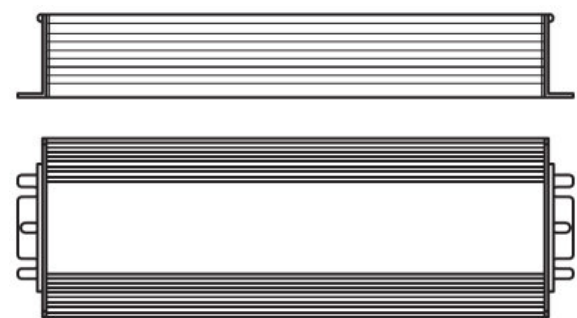
Line drawing of OT FIT 150220-24012 P



Line drawing of OT FIT 150220-24012 P



Line drawing of OT FIT 300220-24012 P



Line drawing of OT FIT 300220-24012 P

Product family datasheet








Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	User instruction OPTOTRONIC LED Power Supply
	Declarations of conformity OT FIT 12P CE 4192443 02 220222
	CAD data 3-dim OT FIT 60 220-240 12 P - 3D stp file
	Product Datasheet Datasheet-OT FIT 150_220-240_12_P
	CAD data 3-dim OT FIT 150 220-240 12 P - 3D stp file
	Product Datasheet Datasheet-OT FIT 300_220-240_12_P
	CAD data 3-dim OT FIT 300 220-240 12 P - 3D stp file

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
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Product family datasheet

Logistical Data

4062172133487	OT FIT 60/220-240/12 P	Shipping carton box 15	349 mm x 224 mm x 153 mm	11.96 dm ³	7430.00 g
4062172133500	OT FIT 150/220-240/12 P	Shipping carton box 15	349 mm x 284 mm x 153 mm	15.16 dm ³	14185.00 g
4062172133548	OT FIT 300/220-240/12 P	Shipping carton box 10	419 mm x 329 mm 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.