



## Product family datasheet

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### Product family features

- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 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)
- Independent connection via through-looping (depending on version of product)

## Product family datasheet

### Technical data

#### Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Input voltage DC	Total harmonic distortion	Power factor $\lambda$
OT FIT 15/220...240/500 LT2 LP	220...240 V	50...60 Hz	198...264 V	176...276 V	< 15 %	0.95
OT FIT 25/220...240/700 LT2 LP	220...240 V	50...60 Hz	198...264 V	176...276 V	< 15 %	0.95
OT FIT 40/220...240/1A0 LT2 LP	220...240 V	50...60 Hz	198...264 V	176...276 V	< 15 %	0.98

Product description	ECG efficiency	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (B)
OT FIT 15/220...240/500 LT2 LP	84 %	3.0 W	14 A	38	60
OT FIT 25/220...240/700 LT2 LP	86 %	4.5 W	15 A <sup>2)</sup>	19	25
OT FIT 40/220...240/1A0 LT2 LP	87.5 %	6.0 W	17 A <sup>2)</sup>	19	30

Product description	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)	Nominal output voltage
OT FIT 15/220...240/500 LT2 LP	-	2 kV <sup>1)</sup>	1 kV	15...50 V
OT FIT 25/220...240/700 LT2 LP	-	2 kV <sup>1)</sup>	1 kV	15...50 V
OT FIT 40/220...240/1A0 LT2 LP	-	2 kV <sup>1)</sup>	1 kV	15...50 V

Product description	U-OUT (working voltage)	Nominal output current	Output current tolerance	Output ripple current (100 Hz)	Nominal output power
OT FIT 15/220...240/500 LT2 LP	60 V	150...500 mA	±5 %	< 5 %	4.5...17.5 W
OT FIT 25/220...240/700 LT2 LP	60 V	300...700 mA	±5 %	< 5 %	8.0...26.5 W
OT FIT 40/220...240/1A0 LT2 LP	60 V	500...1050 mA	±5 %	< 5 %	13...40 W

Product description	Galvanic isolation
OT FIT 15/220...240/500 LT2 LP	SELV
OT FIT 25/220...240/700 LT2 LP	SELV
OT FIT 40/220...240/1A0 LT2 LP	SELV

<sup>1)</sup> L+N / PE of basic isolated LED module

<sup>2)</sup>  $t_{width} = 225 \mu s$  (measured at 50 %  $I_{peak}$ )

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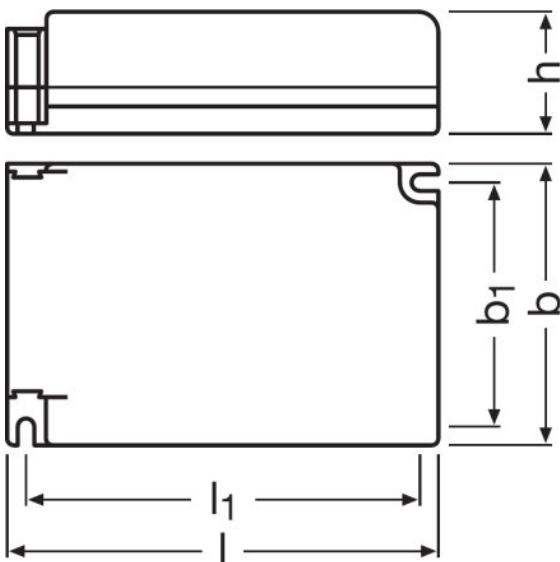
### Dimensions & weight

Product description	Mounting hole spacing, length	Mounting hole spacing, width	Product weight	Cable cross-section, input side	Cable cross-section, output side
OT FIT 15/220...240/500 LT2 LP	94.0 mm	58.0 mm	110.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 25/220...240/700 LT2 LP	94.0 mm	58.0 mm	125.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>
OT FIT 40/220...240/1A0 LT2 LP	94.0 mm	58.0 mm	135.00 g	0.5...1.5 mm <sup>2</sup>	0.5...1.5 mm <sup>2</sup>

Product description	Wire preparation length, input side	Wire preparation length, output side	Length	Width	Height
OT FIT 15/220...240/500 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	103.0 mm	67.0 mm	22.5 mm
OT FIT 25/220...240/700 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	103.0 mm	67.0 mm	22.5 mm
OT FIT 40/220...240/1A0 LT2 LP	9.0...10.0 mm	8.0...9.0 mm	103.0 mm	67.0 mm	22.5 mm

### Product line drawing



OT FIT 15/220...240/500 LT2 LP, OT FIT 25/220...240/700 LT2 LP, OT FIT 40/220...240/1A0 LT2 LP

### Colors & materials

Product description	Casing material
OT FIT 15/220...240/500 LT2 LP	Plastic
OT FIT 25/220...240/700 LT2 LP	Plastic
OT FIT 40/220...240/1A0 LT2 LP	Plastic

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### Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
OT FIT 15/220...240/500 LT2 LP	-20...+45 °C	75 °C	110 °C	-40...85 °C
OT FIT 25/220...240/700 LT2 LP	-20...+45 °C	75 °C	110 °C	-40...85 °C
OT FIT 40/220...240/1A0 LT2 LP	-20...+45 °C	75 °C	110 °C	-40...85 °C

Product description	Permitted rel. humidity during operation
OT FIT 15/220...240/500 LT2 LP	5...85 % <sup>1)</sup>
OT FIT 25/220...240/700 LT2 LP	5...85 % <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 LP	5...85 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

### Lifespan

Product description	ECG lifetime
OT FIT 15/220...240/500 LT2 LP	50000 / 100000 h <sup>1)</sup>
OT FIT 25/220...240/700 LT2 LP	50000 / 100000 h <sup>1)</sup>
OT FIT 40/220...240/1A0 LT2 LP	50000 / 100000 h <sup>1)</sup>

<sup>1)</sup>  $T_c = 75^\circ\text{C}$ , 0.2% / 1,000 h failure rate /  $T_c = 65^\circ\text{C}$ , 0.1% / 1,000 h failure rate

### Additional product data

Product description	Encapsulated
OT FIT 15/220...240/500 LT2 LP	No
OT FIT 25/220...240/700 LT2 LP	No
OT FIT 40/220...240/1A0 LT2 LP	No

### Capabilities

Product description	Dimmable	Overheating protection	Overload protection
OT FIT 15/220...240/500 LT2 LP	No	Automatic reversible	Automatic reversible
OT FIT 25/220...240/700 LT2 LP	No	Automatic reversible	Automatic reversible
OT FIT 40/220...240/1A0 LT2 LP	No	Automatic reversible	Automatic reversible

Product description	Short-circuit protection	No-load proof	Max. cable length to lamp/LED module	Suitable for fixtures with prot. class
OT FIT 15/220...240/500 LT2 LP	Automatic reversible	Yes	2.0 m	I / II
OT FIT 25/220...240/700 LT2 LP	Automatic reversible	Yes	2.0 m	I / II
OT FIT 40/220...240/1A0 LT2 LP	Automatic reversible	Yes	2.0 m	I / II

## Product family datasheet

Product description	Type of connection, output side	Number of channels
OT FIT 15/220...240/500 LT2 LP	Push terminal	1
OT FIT 25/220...240/700 LT2 LP	Push terminal	1
OT FIT 40/220...240/1A0 LT2 LP	Push terminal	1

### Certificates & standards

Product description	Approval marks – approval
OT FIT 15/220...240/500 LT2 LP	CE
OT FIT 25/220...240/700 LT2 LP	CE
OT FIT 40/220...240/1A0 LT2 LP	CE

Product description	Standards	Type of protection
OT FIT 15/220...240/500 LT2 LP	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20
OT FIT 25/220...240/700 LT2 LP	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20
OT FIT 40/220...240/1A0 LT2 LP	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to EN 55015	IP20

### Logistical data

Product description	Commodity code
OT FIT 15/220...240/500 LT2 LP	850440829000
OT FIT 25/220...240/700 LT2 LP	850440829000
OT FIT 40/220...240/1A0 LT2 LP	850440829000


### Application advice

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

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File
 User instruction OPTOTRONIC LED Power Supply

## Product family datasheet

	Product Datasheet Datasheet OT FIT 15LT2 LP
	Certificates VDE EMC Certificate 40011668
	Certificates VDE ENEC Certificate 40038447
	Certificates CEAG OT FIT 15220-240500 LT2 LP
	Certificates INOTEC OT FIT 15220-240500 LT2 LP
	Certificates CCC Certificate 2018171002002031
	Certificates CCC Certificate 2018171002002041
	Declarations of conformity EU Declaration of Conformity 3520188
	CAD data 3-dim OT FIT-LT2-15-25-40 cable clamp 3Ddrawing
	CAD data 3-dim OT FIT-LT2-15-25-40 housing 3Ddrawing
	CAD data 3-dim OT FIT-LT2-15-25-40 housing with cable clamp 3Ddrawing
	Product Datasheet Datasheet OT FIT 25LT2 LP
	Certificates CEAG OT FIT 25220-240700 LT2 LP
	Certificates INOTEC OT FIT 25220-240700 LT2 LP
	Certificates CCC Certificate 2018171002002040
	Certificates CCC Certificate 2018171002002039
	Product Datasheet Datasheet OT FIT 40LT2 LP
	Certificates CEAG OT FIT 40220-2401A0 LT2 LP
	Certificates INOTEC OT FIT 40220-2401A0 LT2 LP

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899490673	OT FIT 15/220...240/500 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2362.00 g

## Product family datasheet

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899490697	OT FIT 25/220...240/700 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2662.00 g
4052899490734	OT FIT 40/220...240/1A0 LT2 LP	Shipping carton box 20	348 mm x 218 mm x 67 mm	5.08 dm <sup>3</sup>	2862.00 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.

### Accessories Optional

Product description	Accessory name	Accessory code
OT FIT 15/220...240/500 LT2 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997
OT FIT 25/220...240/700 LT2 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997
OT FIT 40/220...240/1A0 LT2 LP	OT CABLE CLAMP B-STYLE LP TL	▶ 4052899530997

### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.