

Light is OSRAM

OSRAM

Preliminary

OT FIT 50/220-240/300 D L

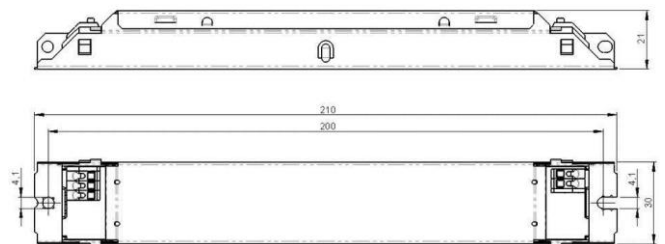
Constant current LED driver – non isolated
Fixed current 300mA

Flexible, reliable solution for energy saving lighting:
Extreme small sized metal housed non-SELV driver
with a high energy efficiency and maximum of lifetime.



Benefits

Very small metal housing: 210x21mm
Long lifetime and high reliability
5 years OSRAM guarantee
High efficiency
Very low ripple
Suitable for emergency lighting units



Approvals



In preparation, if not already printed on product label

Product Features

- Fixed output current 300mA
- Very small dimensions
- Low output current ripple < 10%
- Very high efficiency > 90%
- Output power up to 52.5 W
- Suitable for emergency lighting
- Overload protection
- No-load & short circuit protection
- 100`000 h lifetime at $t_c = 65^{\circ}\text{C}$
- $T_c \text{ max} = 75^{\circ}\text{C}$
- Wide t_a range $-20...+50^{\circ}\text{C}$
- 5 years guarantee

Electrical Specifications

	Item	Value	Unit	Remarks
INPUT	Nominal Voltage	220 - 240	V	
	Nominal frequency	0 / 50 / 60	Hz	
	AC voltage range	198 – 264	V	
	DC voltage range	176 - 276	V	
	Maximum voltage	280	V _{AC}	
	Nominal current	0.27	A	
	Total Harmonic Distortion (THD)	< 20	%	
	Power factor	> 0.90		
	Efficiency	typ. 0.5	%	
	Power losses	5.0	W	
	No-load power	n/a	W	
	Stand-by power	<150	mW	
	Protection class	II		
	Inrush current	Inrush current limiter	A pk	
	Max. units per circuit breaker	B10: 35; B16: 56 C10: 35; C16: 56		
OUTPUT	Nominal voltage range	54 - 175	V	
	Maximum voltage	<250	V _{DC}	
	Nominal current	300	mA	
	Current accuracy	+/- 10	%	
	Current ripple	< 10	%	
	Nominal power range	16.2 – 52.5	W	
	Maximum power	52.5	W	
	DC Output Current (EL)	100	%	
	Galvanic isolation	No		
ENVIRONMENT	Ambient temperature range t _a	-15...+50	°C	
	Maximum case temperature t _c	75	°C	
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-25...+85	°C	
	Relative humidity	5...85	%	
	Surge transient protection	112	kV	
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 150'000		
	Expected lifetime	50'000 100'000	h, t _{c max} h, t _{c -10}	

Protections

Overload, No load, Short-circuit, Output undervoltage

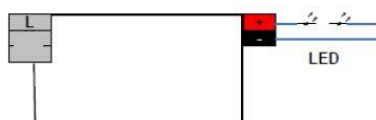
Wire type and preparation:

Solid 0.5 – 1.5 mm²
Flex. 0.5 – 1.5 mm²

peeling length:
8.5– 9.5 mm

Wiring Diagram

GRAY 1 – Mains
GRAY 2 – Mains
GRAY 3 – PE



RED 21 – LED +
BLACK 22 – LED –
Max. 2m whole length
(excl. modules)

Push connectors button for easy wire insertion or to release.

Ordering information

Product Name	EAN 10
OT FIT 50/220...240/300 D L	4052899462694

Manufacturer's address:

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