

POWERTRONIC PT-FIT I

ECG for HID lamps, with cable clamp



Areas of application

- Shop lighting
- Health and fitness areas (in luminaires with protection class IP66 or higher)
- Effect and accent lighting

Product family benefits

- ECG with ergonomic strain relief for correct installation in suspended ceilings
- Optimized cost/benefit factor
- Automatic safety shutdown of lamps in the event of a defect or at end of life (EoL)

Product family features

- Energy Efficiency Index EEI: A2
- Supply voltage: 220...240 V
- Line frequency: 50...60 Hz
- RI suppression: to EN 55015/CISPR 15
- Safety: to EN 61347-2-12
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547

Technical data

Electrical data

Product description	Lamp wattage	Maximum output power		Line current	Ignition voltage	Operating frequency
PT-FIT 35/220...240 I	39 W	39 W		0.19 A ¹⁾	4.5 kVp	0.200...0.240 kHz
Product description	System wattage	Efficiency in full-load		Input voltage AC	Nominal voltage	Mains frequency
PT-FIT 35/220...240 I	4250 W	91 %		198...264 V	220...240 V	50...60 Hz
Product description	Power factor λ	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 16 A (B)	U-OUT (working voltage)	Max. working voltage between LH and LL
PT-FIT 35/220...240 I	095 ²⁾	30 A ³⁾	15 ⁴⁾	26 ⁴⁾	250 V	250 V
Product description	Max. working voltage betw. LL/LH & earth	Max. capacitance of wire ECG/lamp				
PT-FIT 35/220...240 I	250 V	120 pF				

— ¹⁾ At 230 V_{AC}
²⁾ Minimum
³⁾ $t_{width} = 150 \mu s$ (measured at 50 % I_{peak})
⁴⁾ Type B

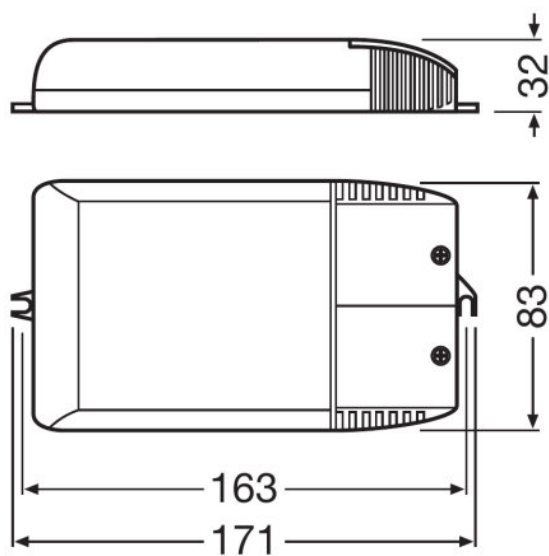
Dimensions & weight

Product description	Length	Width	Height	Mounting hole spacing, length	Cable cross-section, input side	Cable cross-section, output side
PT-FIT 35/220...240 I	1720 mm	830 mm	330 mm	163.0 mm	0.75...1.5 / 0.75...2.5 mm ² ¹⁾	0.75...1.5 / 0.75...2.5 mm ² ¹⁾
Product description	Wire preparation length, input side	Wire preparation length, output side	Product weight			
PT-FIT 35/220...240 I	5.5...6.5 mm	5.5...6.5 mm	28500 g			

¹⁾ With ferrule / Without ferrule

Product family datasheet

Product line drawing



PT-FIT 35/220...240 I

Colors & materials

Product description	Casing material
PT-FIT 35/220...240 I	Plastic

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point
PT-FIT 35/220...240 I	-15...+60 °C	75 °C

Lifespan

Product description	ECG lifetime
PT-FIT 35/220...240 I	30000 h ¹⁾

¹⁾ At maximum T_c / 10% failure rate

Product family datasheet

Additional product data

Product description	Design / version
PT-FIT 35/220...240 I	With cable clamp

Capabilities

Product description	Max. cable length to lamp/LED module	Overheating protection	ECG reset time	Cable/wire types, input side	Cable/wire types, output side
PT-FIT 35/220...240 I	1.5 m	Power reduction and switch off at T > 75 °C at the tc point	> 0.5 s	NYM-J 3x1.5 / NYM-J 3x2.5 / H05VV-F 3x1.5 / NHXMH-J 3x1.5 mm ²	SIHF-J 3x1.5 / SIHF-J 3x2.5 / SIHSI 3x1.0 mm ²

Product description	Dimmable	Restriction on ignition time	Suitable for fixtures with prot. class
PT-FIT 35/220...240 I	No	20 min	I

Certificates & standards

Product description	Approval marks – approval	Type of protection	EEI – Energy Label	Standards
PT-FIT 35/220...240 I	VDE / VDE-EMC / EAC / C-Tick	IP20	A2	Acc. to EN 61347-2-12/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 62493

Logistical data

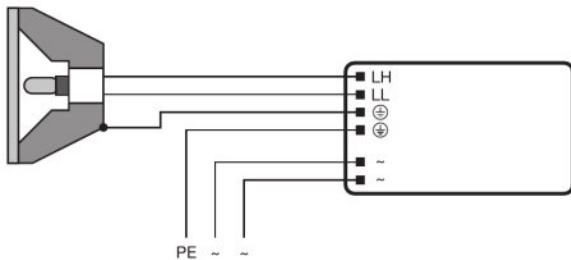
Product description	Commodity code
PT-FIT 35/220...240 I	85041080900

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PT-FIT 35/220...240 I	26-05-2023	4008321377661	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
PT-FIT 35/220...240 I	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	050dde0b-9d18-4c67-a350-ea1be0e75fad

Wiring Diagram



PT-FIT 35/220...240 I

Safety advice

Ballast losses and lamp heat radiation can lead to heat accumulation in a completely closed case. Therefore it is necessary to ensure that the temperature at the measuring point t of the ECG does not exceed the maximum value.

Attention!

For safety reasons disconnect the device before replacing the lamp!

Application advice

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

Additional product information

- In order to achieve good radio interference suppression:1. Keep the cable between ECG and lamp as short as possible.2. The single lamp wires must be routed as close as possible to each other.

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Country specific information

Product description	Product code	METEL code	SEG-No.	STK-Number	UK Org
PT-FIT 35/220...240 I	4008321377661	OSRPTFIT35I	-	-	-
PT-FIT 35/220...240 I	4008321377661	OSRPTFIT35I	-	-	-

Download Data

File	
	User instruction POWERTRONIC PTi I PT FIT I
	Product Datasheet 321397_ATI PT-FIT 35220-240 I (G+GB)
	Tender documents 339884_Tender Document for POWERTRONIC EVG.eng
	Certificates PT FIT S I VDE 40020649 060923
	Certificates 554891_EAC PT family
	Declarations of conformity Powertronic UK DoC 4278196 150222
	Declarations of conformity PT_FIT PTi PTo CE 3363432 020823
	Declarations of conformity Pti Pto PT-FIT EMC 280722
	Operating instructions 590731_EAC - PTi I PT-FIT I
	CAD data 3-dim 321673_CAD PTi-FIT 3570 I
	CAD data 3-dim 321674_CAD PTi-FIT 3570 I
	CAD data 3-dim 321675_CAD PTi-FIT 3570 I

Product family datasheet

Ecodesign regulation information:

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
4008321377661	PT-FIT 35/220...240 I	Shipping carton box 20	430 mm x 368 mm x 91 mm	14.40 dm ³	6377.00 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.