

PRODUCT FAMILY DATASHEET POWERTRONIC PT-FIT I

ECG for HID lamps, with cable clamp



AREAS OF APPLICATION

- Shop lighting
- Health and fitness areas (in dry, corrosion-protected place)
- Effect and accent lighting

PRODUCT 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 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	Line current	Ignition voltage	Operating frequency	System wattage [AGGR]	ECG efficiency
PT-FIT 35/220...240 I	39 W	0.19 A ¹⁾	4.5 kVp	0.200...0.240 kHz	43.00 W	92 %
PT-FIT 70/220...240 I	73 W	0.36 A ¹⁾	4.5 kVp	0.200...0.240 kHz	80.00 W	92 %

Product description	Input voltage AC	Nominal voltage	Mains frequency	Power factor λ	Inrush current	Max. ECG no. on circuit breaker 10 A (B)
PT-FIT 35/220...240 I	198...264 V	220...240 V	50...60 Hz	0.95 ²⁾	30 A ³⁾	15 ⁴⁾
PT-FIT 70/220...240 I	198...264 V	220...240 V	50...60 Hz	0.95 ²⁾	45 A ⁵⁾	7 ⁴⁾

Product description	Max. ECG no. on circuit breaker 16 A (B)	U-OUT (working voltage)	Max. working voltage between LH and LL	Max. working voltage betw. LL/LH & earth	Max. capacitance of wire ECG/lamp
PT-FIT 35/220...240 I	26 ⁴⁾	250 V	250 V	250 V	120 pF
PT-FIT 70/220...240 I	13 ⁴⁾	250 V	250 V	250 V	120 pF

¹⁾ At 230 V_{AC}

²⁾ Minimum

³⁾ t_{width} = 150 μs (measured at 50 % I_{peak})

⁴⁾ Type B

⁵⁾ t_{width} = 250 μs (measured at 50 % I_{peak})

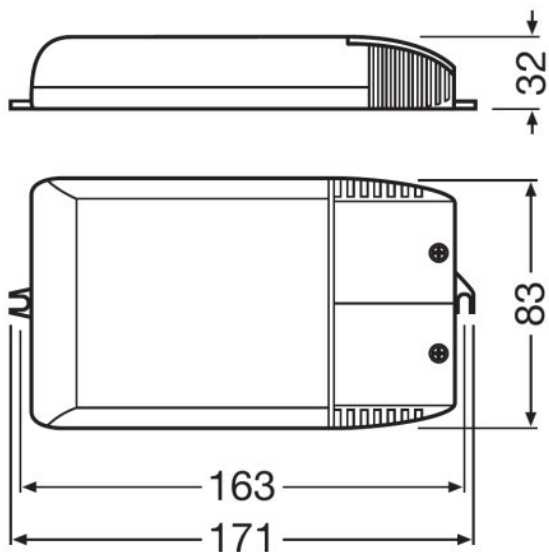
Dimensions & weight

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	172.0 mm	83.0 mm	33.0 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⁾
PT-FIT 70/220...240 I	172.0 mm	83.0 mm	33.0 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	285.00 g
PT-FIT 70/220...240 I	5.5...6.5 mm	5.5...6.5 mm	290.00 g

¹⁾ With ferrule

Product line drawing



PT-FIT 35/220...240 I, PT-FIT 70/220...240 I

Colors & materials

Product description	Casing material
PT-FIT 35/220...240 I	Plastic
PT-FIT 70/220...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
PT-FIT 70/220...240 I	-15...+45 °C	75 °C

Lifespan

Product description	ECG lifetime
PT-FIT 35/220...240 I	30000 h ¹⁾
PT-FIT 70/220...240 I	30000 h ¹⁾

¹⁾ At maximum T_c / 10% failure rate

Additional product data

Product description	Design / version
PT-FIT 35/220...240 I	With cable clamp
PT-FIT 70/220...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	Dimmable
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	No
PT-FIT 70/220...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	No

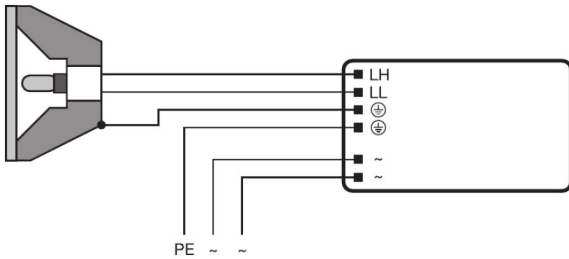
Product description	Restriction on ignition time	Suitable for fixtures with prot. class
PT-FIT 35/220...240 I	20 min	I
PT-FIT 70/220...240 I	20 min	I

Certificates & standards

Product description	Approval marks – approval	Type of protection	EEL – Energy Label
PT-FIT 35/220...240 I	VDE / VDE-EMC / EAC / C-Tick	IP20	A2
PT-FIT 70/220...240 I	VDE / VDE-EMC / EAC / C-Tick	IP20	A2

Product description	Standards
PT-FIT 35/220...240 I	Acc. to EN 61347-2-12/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 62493
PT-FIT 70/220...240 I	Acc. to EN 61347-2-12/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547/Acc. to EN 62493

Wiring Diagram



PT-FIT 35/220...240 I, PT-FIT 70/220...240 I

THERMAL CHARACTERISTICS

- 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_c 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.














SALES AND TECHNICAL SUPPORT

Sales and Technical Support www.ledvance.com

COUNTRY SPECIFIC INFORMATION

Product description	Product code	METEL code	SEG number	STK-Number	UK Org
PT-FIT 35/220...240 I	4008321377661	OSRPTFIT35I	7980322	-	-
PT-FIT 70/220...240 I	4008321377685	-	7980323	-	-

DOWNLOAD DATA

File	
	Product Datasheet 321397_ATI PT-FIT 35220-240 I (G+GB)
	Tender documents 339884_Tender Document for POWERTRONIC EVG.eng
	Certificates 554891_EAC PT family
	Certificates 335123_EMCC-Marks approval
	Certificates 335124_VDE-Marks approval
	Declarations of conformity EU Declaration of Conformity 3035574
	Declarations of conformity VD EMC Certificate 40025469
	Installation/Operation notice 334206_Technical guide - POWERTRONIC for HID-lamps (GB)
	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 Datasheet 321398_ATI PT-FIT 70220-240 I (G+GB)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321377678	Shipping carton box 20	437 mm x 100 mm x 365 mm	6130.00 g	15.95 dm ³
4008321377692	Shipping carton box 20	437 mm x 100 mm x 406 mm	6582.00 g	17.74 dm ³

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.