POWERTRONIC FIT I

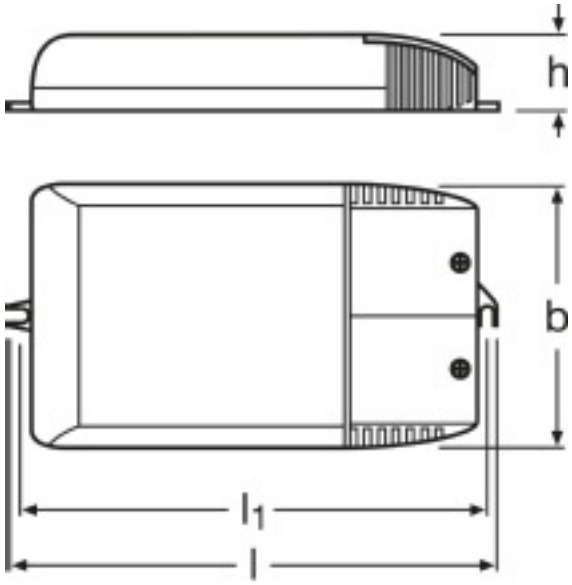
ECG for HID lamps, with cable clamp

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: to EN 61000-3-2
- Immunity: to EN 61547



Product line drawing with letters
PT-FIT I 35/220...240 I | PT-FIT I 70/220...240 I | PT-FIT I 50/220...240 I

Technical data

Product description	System wattage	Lamp wattage	Voltage Range	Line current	Rated power factor λ	Inrush current
PT-FIT I 35/220…240 I	43 W	39 W	198…264 V	0.19 A [1)]	0.95 [2)]	30 A [3)]
PT-FIT I 70/220…240 I	79 W	73 W	198…264 V	0.36 A	0.95 [2)]	
PT-FIT I 50/220…240 I	54.5 W	50 W	198…264 V	0.24 A [1)]	0.95 [2)]	45 A [6)]

Product description	Max. no. of ECGs on circuit breaker 10 A	Max. no. of ECGs on circuit breaker 16 A	Operating frequency	U-OUT	Max. working voltage between LH and LL	Max. working voltage betw. LL/LH & earth
PT-FIT I 35/220…240 I	15	26	0.200…0.240 kHz	250 V	250 V	250 V
PT-FIT I 70/220…240 I	7	13	0.200…0.240 kHz	250 V	250 V	250 V
PT-FIT I 50/220…240 I	7	13	0.200…0.240 kHz	250 V	250 V	250 V

Product description	Ambient temperature range	Overheating protection	ECG reset time	Maximum wiring length ECG/lamp	Max. capacitance of wire ECG/lamp	Ignition voltage
PT-FIT I 35/220…240 I	-15…+60 °C	Power reduction and switch off at T > 75 °C at the tc point	> 0.5 s	1.5 m	120 pF	4.5 kVp
PT-FIT I 70/220…240 I	-15…+45 °C	Automatic switch off, reversible by mains reset	> 0.5 s	1.5 m	120 pF	4.5 kVp
PT-FIT I 50/220…240 I	-15…+50 °C	Power reduction and switch off at T > 75 °C at the tc point	> 0.5 s	1.5 m	120 pF	4.5 kVp

Product description	Product weight	Approval marks – approval	Cable cross-section, input side	Cable cross-section, output side	Cable types, input side	Cable types, output side
PT-FIT I 35/220...240 I	270.00 g	VDE	0.75...1.5 mm² [4]	0.75...1.5 mm² [4]	NYM-J 3x1.5 mm²	SIHF-J 3x1.5 mm²
PT-FIT I 70/220...240 I	270.00 g	VDE	0.75...1.5 mm² [4]	0.75...1.5 mm² [4]	NYM-J 3x1.5 mm²	SIHF-J 3x1.5 mm²
PT-FIT I 50/220...240 I	270.00 g	VDE	0.75...1.5 mm² [4]	0.75...1.5 mm² [4]	NYM-J 3x1.5 mm²	SIHF-J 3x1.5 mm²

Product description	Design / version	Dimmable	ECG efficiency	ECG lifetime	EEI – Energy Label	Height
PT-FIT I 35/220...240 I	With cable clamp	No	92 %	30000 h [5]	A2	32.0 mm
PT-FIT I 70/220...240 I	Built-in unit	No	92 %	30000 h [5]	A2	32.0 mm
PT-FIT I 50/220...240 I	With cable clamp	No	92 %	30000 h [5]	A2	32.0 mm

Product description	Input voltage	Length	Mains frequency	Mounting hole spacing, length	Maximum temperature at tc test point	Restriction on ignition time
PT-FIT I 35/220...240 I	220...240 V	171.0 mm	50...60 Hz	163.0 mm	75 °C	20 min
PT-FIT I 70/220...240 I	220...240 V	155.0 mm	50...60 Hz	163.0 mm	75 °C	20 min
PT-FIT I 50/220...240 I	220...240 V	155.0 mm	50...60 Hz	163.0 mm	75 °C	20 min

Product description	Standards	Suitable for emergency lighting	Suitable for fixtures with prot. class	Width	Wire preparation length, input side	Wire preparation length, output side
PT-FIT I 35/220...240 I	acc. to EN 61347-2-12	No	I	83.0 mm	5.5...6.5 mm	5.5...6.5 mm
PT-FIT I 70/220...240 I	acc. to EN 61347-2-12	No	I	83.0 mm	5.5...6.5 mm	5.5...6.5 mm

PT-FIT I 50/220...240 I	acc. to EN 61347-2-12	No	I	83.0 mm	5.5...6.5 mm	5.5...6.5 mm

1) At 230 V_{AC}

2) Minimum

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

4) With ferrule

5) At maximum T_c / 10 % failure rate

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

Equipment / Accessories

- Precabled versions available on request

Application advice

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

Disclaimer

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