

PT-FIT 70/220...240 S

POWERTRONIC PT-FIT S | ECG for HID lamps, for installation in luminaires



Areas of application

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

Product family benefits

- Optimized cost/benefit factor
- Compact dimensions and low weight for small luminaire designs
- 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

Product datasheet

Technical data

Electrical data

Lamp wattage	73 W
Line current	0.36 A ¹⁾
Ignition voltage	4.5 kVp
Operating frequency	0.200...0.240 kHz
System wattage	80.00 W
ECG efficiency	92 %
Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Power factor λ	0.95 ²⁾
Inrush current	45 A ³⁾
Max. ECG no. on circuit breaker 10 A (B)	7 ⁴⁾
Max. ECG no. on circuit breaker 16 A (B)	13 ⁴⁾
Max. no. of ECGs on 16A MCB with EBN-OS	32 ⁴⁾
Protective conductor current	0.3 mA
U-OUT (working voltage)	250 V
Max. working voltage between LH and LL	250 V
Max. working voltage betw. LL/LH & earth	250 V
Max. capacitance of wire ECG/lamp	120 pF

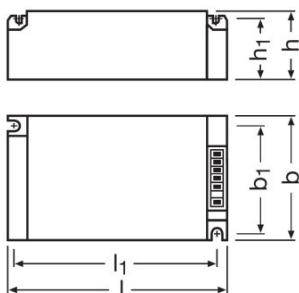
1) At 230 V_{AC}

2) Minimum

3) $t_{width} = 250 \mu s$ (measured at 50 % I_{peak})

4) Type B

Dimensions & weight



Length	110.0 mm
Width	75.0 mm

Product datasheet

Height	30.0 mm
Mounting hole spacing, length	99.0 mm
Mounting hole spacing, width	64.0 mm
Cable cross-section, input side	0.5...1.0 / 0.5...1.5 mm ² ¹⁾
Cable cross-section, output side	0.5...1.0 / 0.5...1.5 mm ² ¹⁾
Wire preparation length, input side	8.5...9.5 mm
Wire preparation length, output side	8.5...9.5 mm
Product weight	250.00 g

¹⁾ With ferrule / Without ferrule

Colors & materials

Casing material	Metal
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Temperatures & operating conditions

Ambient temperature range	-15...+55 °C
Maximum temperature at tc test point	85 °C

Lifespan

ECG lifetime	30000 h ¹⁾
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¹⁾ At maximum T_c / 10% failure rate

Additional product data

Design / version	Built-in unit
Suitable for lamp power (1 lamp)	70 W

Capabilities

Max. cable length to lamp/LED module	1.5 m
Overheating protection	Power reduction and switch off at T > 85 °C at the tc point
ECG reset time	> 0.5 s
Dimmable	No
Restriction on ignition time	20 min
Suitable for fixtures with prot. class	I

Certificates & standards

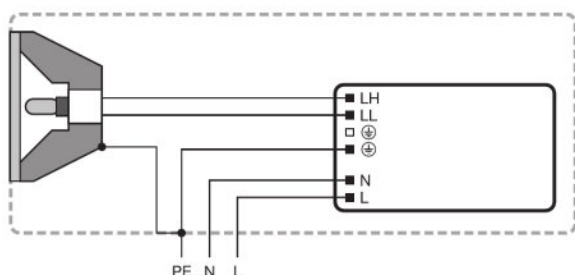
Approval marks – approval	VDE / VDE-EMC / EAC / C-Tick
Type of protection	IP20
EEI – Energy Label	A2
Standards	Acc. to EN 61347-2-12/Acc. to EN 55015/Acc. to EN 61000-3-2/Acc. to EN 61547

Product datasheet

Logistical data

Commodity code	850410809000
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Wiring Diagram



Wiring diagram



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!

Download Data

File
 Tender documents 339884_Tender Document for POWERTRONIC EVG.eng
 Certificates 335124_VDE-Marks approval

Product datasheet

	Certificates 554891_EAC PT family
	Declarations of conformity Powertronic CE 3363432 120320
	Declarations of conformity VD EMC Certificate 40025469
	Installation/Operation notice 334206_Technical guide - POWERTRONIC for HID-lamps (GB)
	Operating instructions 590729_EAC - PTI S PT-FIT S

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321386649	PT-FIT 70/220...240 S	Shipping carton box 20	412 mm x 136 mm x 152 mm	8.52 dm ³	5269.89 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.

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Product name	Lamp group
PT-FIT 70/220...240 S	HCI-E/P 70W
	HCI-ET 70W
	HCI-PAR30 70W
	HCI-T 70W
	HCI-TC 70W
	HCI-TS 70W
	HQI-E 70W
	HQI-T 70W
	HQI-TS 70W