

PRODUCT DATASHEET 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 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 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

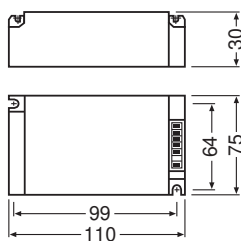
Nominal wattage	80.00 W
Nominal voltage	220...240 V
Nominal output voltage	250 V
Input voltage AC	198...264 V
U-OUT (working voltage)	250 V
Type of current	AC
Inrush current	45 A ¹⁾
Mains frequency	50/60 Hz
Power factor λ	0.95 ²⁾
ECG efficiency	92 %
Max. ECG no. on circuit breaker 10 A (B)	7 ³⁾
Max. ECG no. on circuit breaker 16 A (B)	13 ³⁾
Operating frequency	0.200...0.240 kHz

¹⁾ $t_{\text{width}} = 250 \mu\text{s}$ (measured at 50 % i_{peak})

²⁾ Minimum

³⁾ Type B

Dimensions & Weight



Length	110.00 mm
Mounting hole spacing, length	99,0 mm
Width	75.00 mm
Height	30.00 mm
Cable cross-section, input side	0,5...1,0 mm ² / 0.5...1.5 mm ² ¹⁾
Cable cross-section, output side	0,5...1,0 mm ² / 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
Body material	Metal

Temperatures & operating conditions

Ambient temperature range	-15...+55 °C
Maximum temperature at tc test point	85 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

1) Maximum 56 days/year at 85 %

Lifespan

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

Capabilities

Dimmable	No
Overheating protection	Power reduction and switch off at $T > 85$ °C at the tc point
Max. cable length to lamp/LED module	1,5 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	No

Certificates & Standards

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

LOGISTICAL DATA

Temperature range at storage	-40...+85 °C
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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

	Documents and certificates	Document name
	User instruction / safety instructions	334206_Technical guide - POWERTRONIC for HID-lamps (GB)
	User instruction / safety instructions	590729_EAC - PTI S / PT-FIT S
	Declarations of conformity	339884_Tender Document for POWERTRONIC EVG.eng
	Declarations of conformity	VD EMC Certificate 40025469
	Declarations of conformity	EU Declaration of Conformity 3363432
	Declarations of conformity	EU Declaration of Conformity 3035574
	Certificates	554891_EAC PT family
	Certificates	335124_VDE-Marks approval
	Certificates	335123_EMC-Marks approval

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321386649	Unpacked 1	110 mm x 29 mm x 74 mm	250.00 g	0.24 dm ³
4008321386656	Shipping box 20	412 mm x 136 mm x 152 mm	5269.89 g	8.52 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.