

# PRODUCT DATASHEET

## PT-FIT 35/220...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

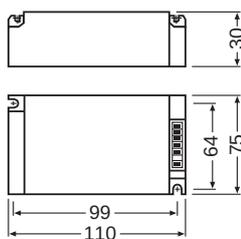
Nominal wattage	43,00 W
Nominal voltage	220...240 V
Nominal output voltage	250 V
Input voltage AC	198...264 V
U-OUT (working voltage)	250 V
Type of current	AC
Inrush current	30 A <sup>1)</sup>
Mains frequency	50/60 Hz
Power factor $\lambda$	0,95 <sup>2)</sup>
ECG efficiency	92 %
Max. ECG no. on circuit breaker 10 A (B)	15 <sup>3)</sup>
Max. ECG no. on circuit breaker 16 A (B)	26 <sup>3)</sup>
Operating frequency	0.200...0.240 kHz

1)  $t_{width} = 150 \mu s$  (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
Width (incl. round luminaires) [Calc.]	75,00 mm
Height	30,00 mm
Height (incl. cylin. luminaires) [calc.]	30,00 mm
Cable cross-section, input side	0,5...1,0 mm <sup>2</sup> / 0,5...1,5 mm <sup>2</sup> <sup>1)</sup>
Cable cross-section, output side	0,5...1,0 mm <sup>2</sup> / 0,5...1,5 mm <sup>2</sup> <sup>1)</sup>
Wire preparation length, input side	8,5...9,5 mm

Wire preparation length, output side	8,5...9,5 mm
Product weight	245,00 g

1) With ferrule / Without ferrule

### Colors & materials

Casing material	Metal
Body material	Metal

### Temperatures & operating conditions

Ambient temperature range	-15...+65 °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
EEL – 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**

DOWNLOAD DATA	
	User instruction 334206_Technical guide - POWERTRONIC for HID-lamps (GB)
	User instruction 590729_EAC - PTI S / PT-FIT S
	PRODUCT DATASHEET 321400_ATI PT-FIT 35/220-240 S (G+GB)
	Certificates 335123_EMC-Marks approval
	Certificates 554891_EAC PT family
	Certificates 335124_VDE-Marks approval
	Declarations of conformity 339884_Tender Document for POWERTRONIC EVG.eng
	Declarations of conformity EU Declaration of Conformity 3035574
	Declarations of conformity EU Declaration of Conformity 3363432
	Declarations of conformity VD EMC Certificate 40025469

**LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321386625	Unpacked 1	110 mm x 30 mm x 74 mm	246.44 g	0.24 dm <sup>3</sup>
4008321386632	Shipping box 20	412 mm x 136 mm x 152 mm	5169.89 g	8.52 dm <sup>3</sup>

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.