

PRODUCT DATASHEET

PTi 35/220...240 S MINI

POWERTRONIC® INTELLIGENT PTi 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

- Long reliable life at maximum permitted temperatures
- Compact dimensions and low weight for small luminaire designs
- Excellent thermal behavior for very high limit temperatures t_c and t_a
- 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

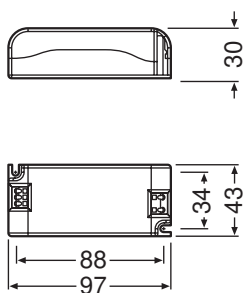
Nominal wattage	43.00 W
Nominal voltage	220...240 V
Nominal output voltage	250 V
Input voltage AC	198...264 V
U-OUT (working voltage)	250 V
Type of current	AC
Inrush current	20 A ¹⁾
Mains frequency	50/60 Hz
Power factor λ	0.95 ²⁾
ECG efficiency	90 %
Max. ECG no. on circuit breaker 10 A (B)	17 ³⁾
Max. ECG no. on circuit breaker 16 A (B)	28 ³⁾
Operating frequency	0.100...0.120 kHz

1) $t_{\text{width}} = 170 \mu\text{s}$ (measured at 50 % i_{peak})

2) Minimum

3) Type B

Dimensions & Weight



Length	97.00 mm
Mounting hole spacing, length	88,0 mm
Width	43.00 mm
Height	29.99 mm
Cable cross-section, input side	0.5...1.5 mm ²

Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	8,5...9,5 mm
Wire preparation length, output side	8,5...9,5 mm
Product weight	105.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-25...+50 °C
Maximum temperature at tc test point	80 °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	50000 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 > 80 °C at the tc point
Max. cable length to lamp/LED module	0,5 m
Suitable for fixtures with prot. class	I / II
Suitable for emergency lighting	No

Certificates & Standards

Approval marks – approval	ENEC 10 / 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!

Any conductive material must have a minimum distance of 4 mm to the front of the terminal block.

Installation by qualified electrician only.

Terminals for protective earth not suitable for any through connection.

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	EU Declaration of Conformity 3363432
 Declarations of conformity	VD EMC Certificate 40025469
 Certificates	VDE ENEC Certificate 40035813
 Certificates	554891_EAC PT family

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321955906	Unpacked 1	98 mm x 42 mm x 31 mm	105.00 g	0.13 dm ³
4008321955982	Shipping box 20	228 mm x 78 mm x 208 mm	2106.00 g	3.70 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.