

PTi 35/220...240 I

POWERTRONIC INTELLIGENT I | ECG for HID lamps, with cable clamp



- Shop lighting
- Health and fitness areas
- Effect and accent lighting

Product benefits

- Extended terminal section enables mains looping
- Screw-down cable clamps for reliable strain relief
- Long reliable life at maximum permitted temperatures
- Automatic safety shutdown of lamps in the event of a defect or at end of life (EoL)

Product features

- Energy Efficiency Index EEL: 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

Technical data

Electrical data

System wattage	42 W
Lamp wattage	39 W
ECG efficiency	91 %
Input voltage	220...240 V
Voltage range	198...264 V
Mains frequency	50...60 Hz
Line current	0.19 A ¹⁾
Power factor λ	0.95 ²⁾
Inrush current	30 A ³⁾
Max. no. of ECGs on circuit breaker 10 A	15 ⁴⁾
Max. no. of ECGs on circuit breaker 16 A	26 ⁴⁾
Max. no. of ECGs on 16A MCB with EBN-OS	65 ⁴⁾
Maximum current for mains looping	16 A
Protective conductor current	0.3 mA
Operating frequency	0.200...0.240 kHz
U-OUT	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
Ignition voltage	4.5 kVp

¹⁾ At 230 V_{AC}

²⁾ Minimum

³⁾ $t_{\text{width}} = 150 \mu\text{s}$ (measured at 50 % I_{peak})

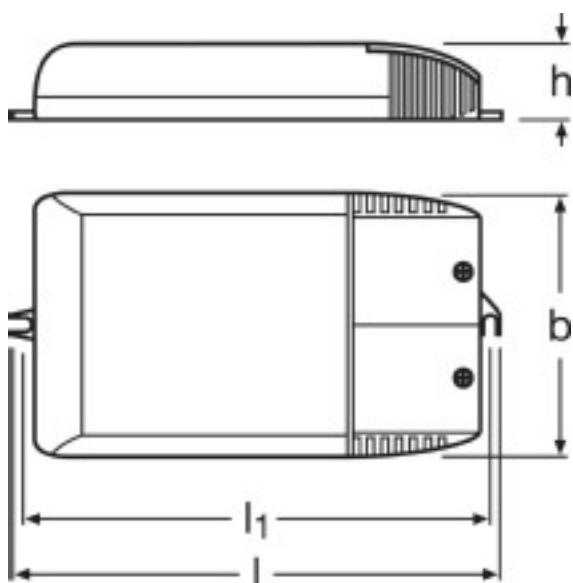
⁴⁾ Type B

Dimensions & weight

Cable cross-section, input side	0.75...2.5 mm ²
Cable cross-section, output side	0.75...2.5 mm ²
Wire preparation length, input side	10...11 mm
Wire preparation length, output side	10...11 mm
Length	155.0 mm
Width	83.0 mm

Dimensions & weight

Height	32.0 mm
Mounting hole spacing, length	163.0 mm
Product weight	275.00 g

*Product line drawing with letters***Colors & materials**

Casing material	Plastic
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Temperatures

Ambient temperature range	-25...+65 °C
Maximum temperature at tc test point	80 °C

Lifespan

ECG lifetime	50000 h ¹⁾
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Lifespan

¹⁾ At maximum T_c / 10 % failure rate

Additional product data

Design / version	With cable clamp
System guarantee level	3c

Capabilities

Overheating protection	Power reduction and switch off at $T > 80^\circ\text{C}$ at the tc point
Overvoltage protection at 275...300 V	48 h ¹⁾
Overvoltage protection at 300...320 V	2 h ¹⁾
Overvoltage protection at 320...350 V	5 min ²⁾
ECG reset time	> 0.5 s
Maximum wiring length ECG/lamp	1.5 m
Cable types, input side	NYM-J 3x1.5 / NYM-J 3x2.5 / H05VV-F 3x1.5 / NHXMH-J 3x1.5 mm ²
Cable types, output side	SIHF-J 3x1.5 / SIHF-J 3x2.5 / SIHSI 3x1.0 mm ²
Dimmable	No
Restriction on ignition time	20 min
Suitable for fixtures with prot. class	I

¹⁾ Control gear switches off after 40 s

²⁾ Control gear switches off or does not start

Certificates & standards

Approval marks – approval	ENEC 10 / VDE / VDE-EMC / GHOST / C-Tick
EEL – Energy Label	A2
Standards	acc. to EN 61347-2-12 / acc. to EN 55015 / acc. to EN 61000-3-2 / acc. to EN 61547 / acc. to EN 62493



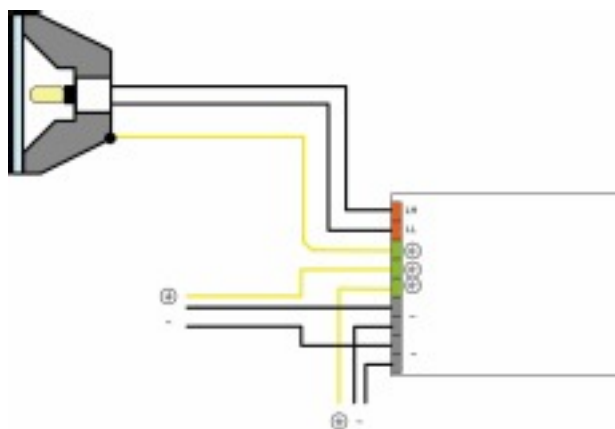
Guarantee



Guarantee

Equipment / Accessories

- Precabled versions available on request



Wiring diagram

Disclaimer

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