LED drivers – PT LED DRIVER 12/24V

Constant voltage LED driver / Alimentatore per LED a tensione costante

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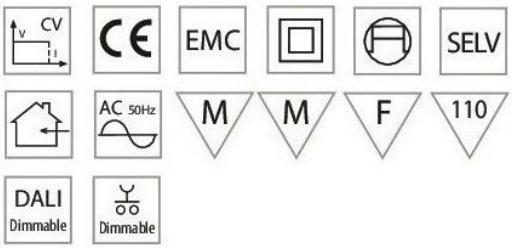

Part number Codice prodotto	P out W @230V	P out W @110V	V out DC ±5%	I out DC max @230V	I out DC max @110V	λ Power Factor	Efficiency @230V	Efficiency @110V	ta °C	tc °C
A40PT030120B	30	20	12	2,5 A	1,66 A	0,95	87%	84%	-10…+40	65
A40PT035240B	35	20	24	1,45 A	0,83 A	0,95	87%	84%	-10…+40	65
A40PT050240B	50	30	24	2,08 A	1,25 A	0,95	90%	87%	-10…+40	70

Features

- **IP20** independent driver
- Supplied with terminal cover and cable retainer
- Class II protection against electric shock for direct or indirect contact
- Self-resetting protection against overtemperatures, open circuit and output short circuits

Caratteristiche

- Alimentatore indipendente **IP20**
- Fornito di coprimorsetto e serracavo
- Protezione in classe II contro le scosse elettriche per contatti diretti e indiretti
- Protezione auto ripristinante contro le sovratemperature, il circuito aperto e il corto-circuito sul secondario

Directives / Direttive: 2014/35/EU (LVD); 2014/30/EU (EMC); RoHs 2011/65/EU + 2015/863/EU (RoHs); 2009/125/ ECODESIGN regulation (EU) N° 2019/2020 and 341/2021 amendment

Standards compliance: Conformità alle norme:
EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015
EN 55015:2019 + A11:2020; EN 61000-3-3:2013; EN 61457:2009;
EN IEC 61000-3-2:2019 + A1:2021
EN 63000:2018
EN IEC 62442-3:2022

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Other electrical data	
Nominal input voltage AC	110-240 V
Input voltage DC	180-250 V
Mains frequency	50/60 Hz
Surge capability (L-N)	> 1 kV
Nominal output voltage DC	12 V ± 5% (A40PT030120B) / 24 V ± 5% (A40PT035240B / A40PT050240B)
Output PWM frequency	N/A
Minimum output load	5 W
Output voltage ripple (100 Hz)	< 5%
Standby power (P_{sb})	N/A
Networked stanby power (Pnet)	N/A
Output PstLM (Flicker value)	≤ 1
Output SVM (Stroboscopic effects value)	≤ 0,4
Insulation primary/secondary:	Class II SELV 3750V AC
Leakage current:	< 0,5 mA
Temperatures and operating conditions	
Ambient temperature range	-10…+40 °C
Storage temperature range	-15…+50 °C
Capabilities	
Dimmable	NO
Protections	Open load, short-circuit, overload, overtemperature
Connections	
Cables cross-section (input side)	1 x 0,5…2,5 mm²
Wire preparation lenght (input side)	4…9 mm
Cables cross-section (output side)	1 x 0,5…2,5 mm²
Wire preparation lenght (output side)	4…9 mm
Nominal life-time	50000h @Ta 40 °C

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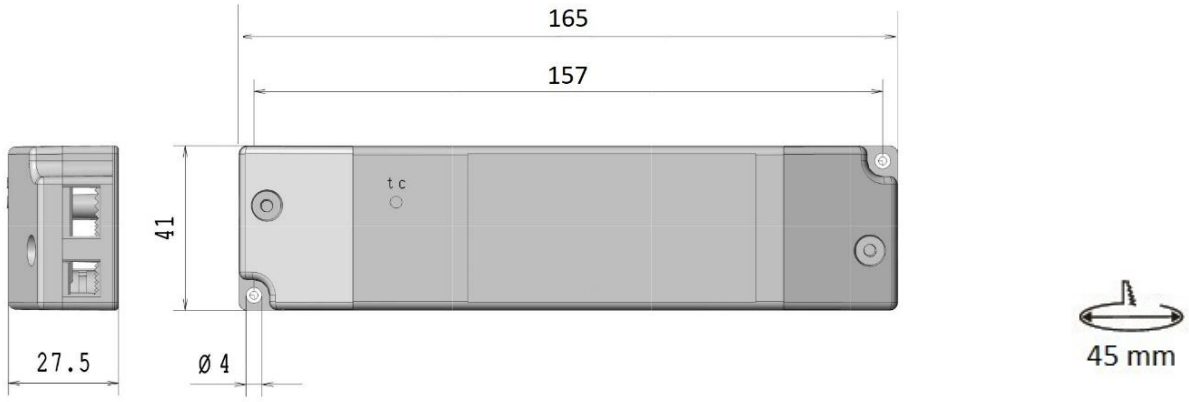
Product dimensions



Color & materials

Casing material:	Polycarbonate V0
Color	White

Product weight

A40PT030120B	155 gr.
A40PT035240B	140 gr.
A40PT050240B	160 gr.