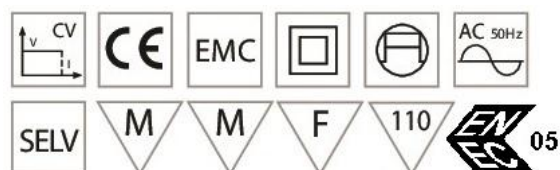


LED drivers – PBX 24V

Constant voltage LED driver / Alimentatore per LED a tensione costante

Made in Italy 



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 Full load	Efficiency @110V Full load	ta °C	tc °C	MARK Approval
A40PBOX0750B	75	60	12	6,25 A	5 A	0,96	89%	87%	-10...+40	80	/
A40PBOX1000B	100	60	12	8,33 A	5 A	0,96	91%	89%	-10...+40	80	/
A40PBX10000B	100	60	24	4,16 A	2,5 A	0,98	92%	89%	-10...+40	75	ENEC 05
A40PBX15000B	150	75	24	6,25 A	3,12 A	0,98	93%	89%	-10...+40	77	ENEC 05
A40PBX20000B	200	90	24	8,33 A	3,75 A	0,98	93%	90%	-10...+35	80	/

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 61347-1:2015 + A1:2021
In addition, only on models A40PBX10000B and A40PBX15000B: EN 62384:2020;
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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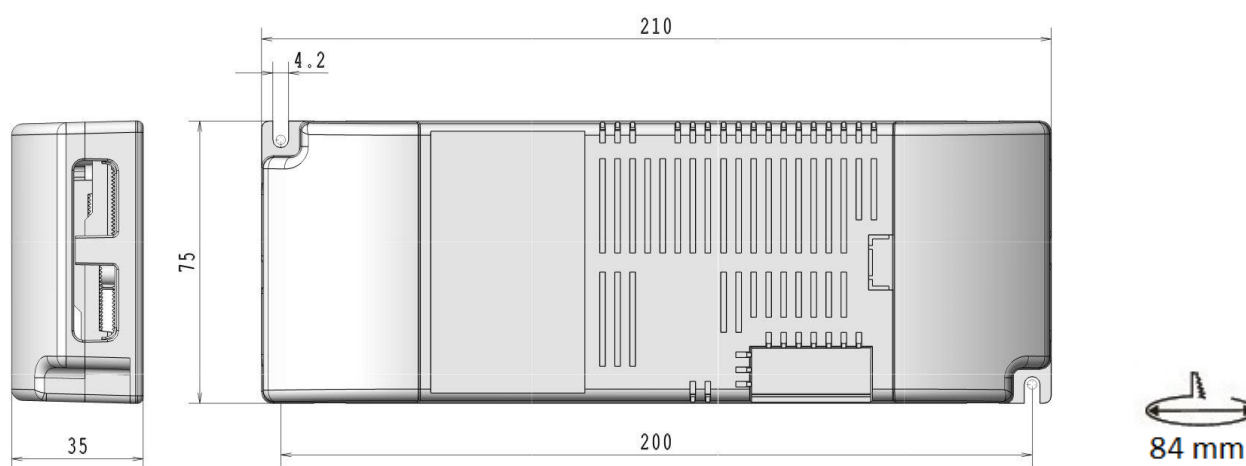
Other electrical data	
Nominal input voltage AC	110-240 V
Input voltage DC	180-250 V
Mains frequency	50/60 Hz
iTHD	5%
Inrush current	11 A, 320 μ s
Surge capability (L-N)	> 2 kV
Nominal output voltage DC	24 V $\pm$ 5% / 12 V $\pm$ 5% (A40PBX075D0B / A40PBOX1000B)
Output PWM frequency	1 kHz
Minimum output load	10 W
Output voltage ripple (100 Hz)	< 5%
Standby power (Psb)	$\leq$ 0,5 W
Networked stanby power (Pnet)	$\leq$ 0,5 W
No-load proof	YES
Intended for no-load operation	NO
Output PstLM (Flicker value)	$\leq$ 1
Output SVM (Stroboscopic effects value)	$\leq$ 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)	0,5-2,5 mm ² , 13-20 AWG
Wire preparation lenght (input side)	4...7 mm
Cables cross-section (output side)	0,5-2,5 mm ² , 13-20 AWG
Wire preparation lenght (output side)	4...7 mm
Connections	0,5-2,5 mm ² screw or fast connectors
Nominal life-time	50000h @Ta 40 °C

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Product dimensions



Color & materials

Casing material:	Polycarbonate V0
Color	White

Product weight

A40PBOX0750B / A40PBOX1000B / A40PBX10000B	350 gr.
A40PBX10000B	300 gr.
A40PBX15000B	350 gr.
A40PBX20000B	400 gr.