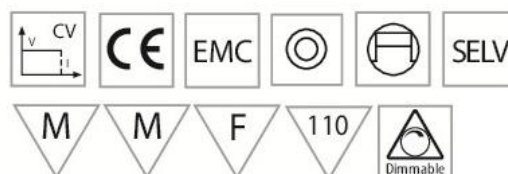
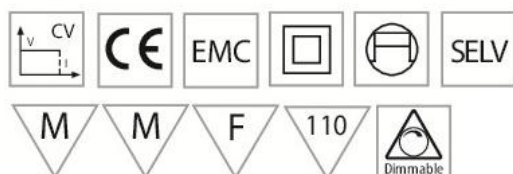


Dimmable LED drivers – PBT Dimmable – TRIAC/IGBT/Mosfet

Constant voltage dimmable LED driver / Alimentatore dimmerabile per LED a tensione costante

Made in Italy 



Part number Codice prodotto	P out W @230V	V out DC ±5%	I out DC max @230V	λ Power Factor	Efficiency in full-load @230V	tc °C
A40PBT10000B	100	24	4,16 A	0,98	89%	75
A40PBT15000B	150	24	6,25 A	0,98	91%	75
A40PBT20000B	200	24	8,33 A	0,98	91%	80

Features

PBT100/ PBT150

- **IP20** independent LED driver (PBT100/PBT150)
- Supplied with terminal cover and cable retainer
- Class II protection against electric shock for direct or indirect contact

PBT200

- **IP65** built-in driver (PBT200)
- Supplied with double insulation cable on primary side
- Class II protection against electric shock for direct or indirect contact

Caratteristiche

PBT100/ PBT150

- Alimentatore LED indipendente **IP20**
- Fornito di coprimorsetto e serracavo
- Protezione in classe II contro le scosse elettriche per contatti diretti e indiretti

PBT200

- Alimentatore da incorporare **IP65**
- Fornito con cavo doppio isolamento sul lato primario
- Protezione in classe II contro le scosse elettriche per contatti diretti e indiretti

Dimmable LED drivers – PBT Dimmable – TRIAC/IGBT/Mosfet

Constant voltage dimmable LED driver / Alimentatore dimmerabile per LED a tensione costante

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Other electrical data	
Nominal input voltage AC	220-240 V
Mains frequency	50/60 Hz
iTHD (PBT100/PBT150)	6 %
iTHD (PBT200)	6,38%
Inrush current (PBT100/PBT150)	15 A, 130 μ s
Inrush current (PBT200)	23 A, 212 μ s
Surge capability (L-N)	> 1 kV
Nominal output voltage DC	24 V $\pm$ 5%
Output PWM frequency	1 kHz
Minimum output load	25 W (PBT100), 30W (PBT150), 30W (PBT200)
Output voltage ripple (100 Hz)	< 5%
No-load proof	YES
Intended for no-load operation	NO
Output PstLM (Flicker value)	≤ 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	YES
Dimming interface	TRIAC, IGBT, MOSFET
Protections	Open load, short-circuit, overload, overtemperature
Connections PBT100/PBT150	
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
Connections PBT200	
Primary side cables / Cavi lato primario:	2 x 0,75 mm ² white, double insulation, 20 cm.
Secondary side cables / Cavo lato secondario:	2 x 1,5 mm ² black and red PVC, 20 cm.
Nominal life-time	50000h @Ta 40 °C

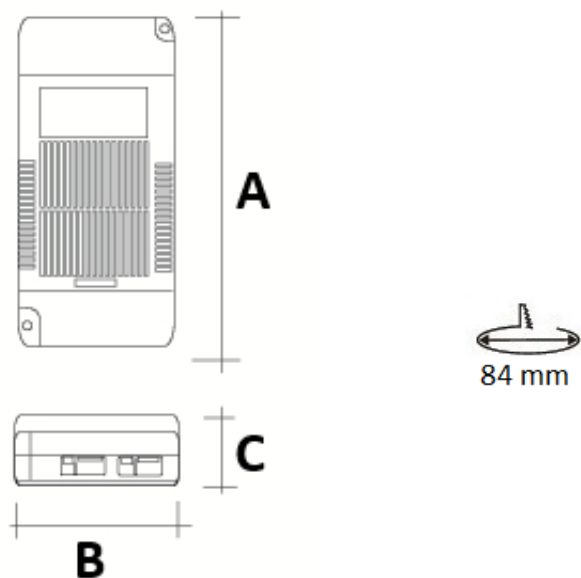
Dimmable LED drivers – PBT Dimmable – TRIAC/IGBT/Mosfet

Constant voltage dimmable LED driver / Alimentatore dimmerabile per LED a tensione costante

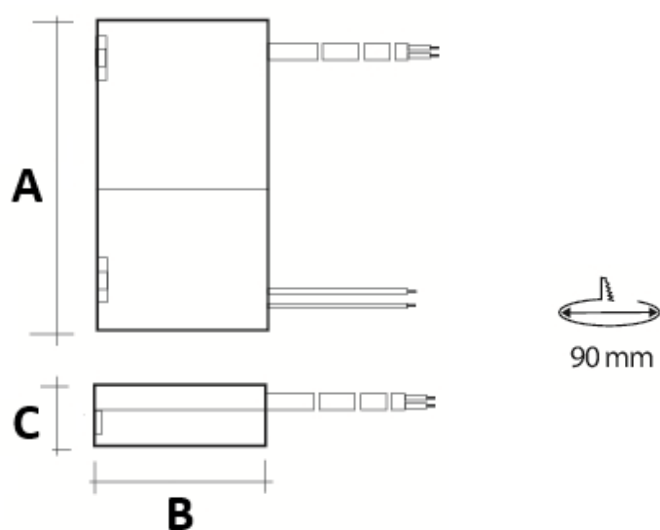
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Product dimensions

PBT100/PBT150: 210 mm (A) x 75 mm (B) x 75 mm (C)



PBT200: 177 mm (A) x 82 mm (B) x 35 mm (C)





Dimmable LED drivers – PBT Dimmable – TRIAC/IGBT/Mosfet

Constant voltage dimmable LED driver / Alimentatore dimmerabile per LED a tensione costante

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Product weight

A40PBT10000B	320 gr.
A40PBT15000B	320 gr.
A40PBT20000B	705 gr.

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:

EN61347-2-13:2014; 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 + A2:2024
EN 63000:2018
EN IEC 62442-3:2022