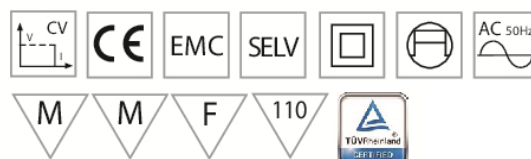


TH – 12/24V

Constant voltage LED driver / Alimentatore per LED a tensione costante



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/50Hz
A40TH120200B	20	12	0,4 A	0,97	79%
A40TH240200B	20	24	0,4 A	0,97	80%

Features

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

Caratteristiche

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

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:

EN 61347-2-13:2014 + A1:2017; EN 61347-1:2015 + A1:2021; EN 62493:2015 + A1:2022

Conformità alle norme:

EN IEC 55015:2019 + A11:2020; EN IEC 61547:2023;

EN IEC 61000-3-2:2019 + A1:2021

EN IEC 61000-3-3:2013 + A1 + A2

EN IEC 62442-3:2022

TH – 12/24V

Constant voltage LED driver / Alimentatore per LED a tensione costante

Other electrical data – TH12020	
Nominal input voltage AC	220 - 240 Vac
Mains frequency	50/60 Hz
iTHD	14,2%
Inrush current	17 A, 150 μ s
Power factor	≥ 0.9 @Full Load 220-240VAC
Current	0,4 A max @full load 220-240VAC
Star-up time	< 0,5S for ERP @Full Load
Unload power consumption	$\leq 0,5$ W
Surge capability (L-N)	> 1 kV
Nominal output voltage DC	24 V $\pm$ 5%
Unload voltage (Uout)	12,6 VDC max
Output voltage ripple (100 Hz)	< 500mVp-p @Full Load 220-240VAC
Standby power (Psb)	NA
Networked stanby power (Pnet)	NA
No-load proof	NA
Intended for no-load operation	NA
Insulation primary/secondary:	Class II SELV 3750V AC
Temperatures and operating conditions	
Ambient temperature range	-20...+40 °C
Storage temperature range	-40...+80 °C
Tc	85 °C
Humidity	20%-90%RH
Capabilities	
Dimmable	NO
Protections	Open load, short-circuit, overload, overtemperature
Connections	
Cables cross-section (input side)	0,5-2,5 mm ² , 14-24 AWG
Wire preparation lenght (input side)	5...7 mm
Cables cross-section (output side)	0,5-2,5 mm ² , 12-26 AWG
Wire preparation lenght (output side)	5...7 mm
Connections	Screw terminal
Nominal life-time	30,000h @230V@Ta20-45°C

TH – 12/24V

Constant voltage LED driver / Alimentatore per LED a tensione costante

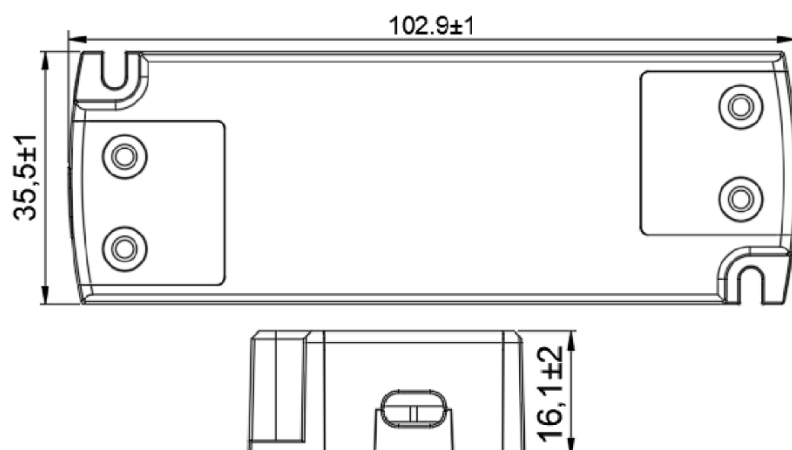
Other electrical data – TH24020	
Nominal input voltage AC	220 - 240 Vac
Mains frequency	50/60 Hz
iTHD	7,5%
Inrush current	11 A, 150 μ s
Power factor	≥ 0.9 @Full Load 220-240VAC
Current	0,4 A max @full load, 230VAC
Star-up time	< 1S for ERP @Full Load
Unload power consumption	$\leq 0,5$ W
Surge capability (L-N)	> 1 kV
Nominal output voltage DC	24 V $\pm$ 5%
Unload voltage (Uout)	25,2 VDC max
Output voltage ripple (100 Hz)	< 240mVp-p @Full Load , 230VAC
Standby power (Psb)	NA
Networked stanby power (Pnet)	NA
No-load proof	NA
Intended for no-load operation	NA
Insulation primary/secondary:	Class II SELV 3750V AC
Temperatures and operating conditions	
Ambient temperature range	-20...+45 °C
Storage temperature range	-40...+80 °C
Tc	85 °C
Humidity	20%-90%RH
Capabilities	
Dimmable	NO
Protections	Open load, short-circuit, overload, overtemperature
Connections	
Cables cross-section (input side)	0,5-2,5 mm ² , 14-24 AWG
Wire preparation lenght (input side)	5...7 mm
Cables cross-section (output side)	0,5-2,5 mm ² , 12-26 AWG
Wire preparation lenght (output side)	5...7 mm
Connections	Screw terminal
Nominal life-time	30,000h @230V@Ta20-45°C

TH – 12/24V

Constant voltage LED driver / Alimentatore per LED a tensione costante

Product dimensions

TH12020 / TH24020



Product weight

A40TH120200B	100 gr.
A40TH240200B	100 gr.