



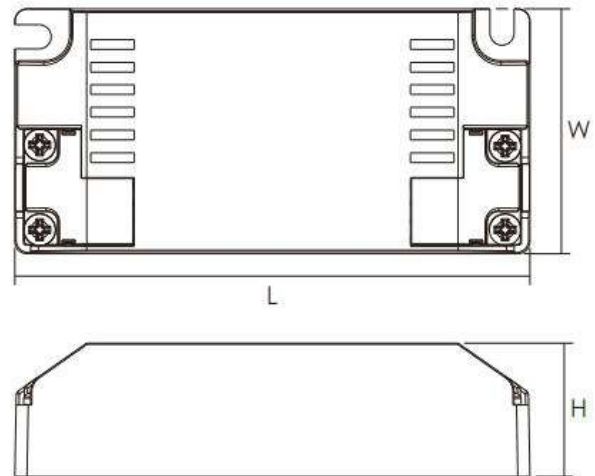
SWITCH TO BRIGHTER FUTURE

Product data sheet: AS-15-xxxTF

TRIAC Dimming LED Driver

Features

- Independent design
- Dimmable constant current driver
- Analogue flicker-free
- Dimming with leading edge or trailing edge dimmer
- Smooth dimming compatible with most dimmer
- Dimming range 1...100%
- Captured terminal screws
- Protections: opencircuit, shortcircuit, overload, overtemperature
- SELV equivalent
- Suitable for class I & II luminaires
- Protection class II



Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

TUV, CE, CB, ENEC

Housing properties

- Housing material: plastic, white.
- Type of protection IP20

Electrical Specifications

Type		Unit	AS-15-300TF	AS-15-350TF	AS-15-500TF	AS-15-700TF
INPUT	Nominal voltage	V	220 – 240			
	Nominal frequency	Hz	50 / 60			
	AC voltage range	V	198 – 264			
	DC voltage range	V	176 - 250			
	Nominal current	A	0.10			
	THD (Full load)	%	≤ 25			
	Power factor(Full load)		0.95			
	Efficiency(Full load)	%	84	83	81	79
	Turn on time	ms	≤ 500			
	No load	W	N/A			
	Protection class		II			
	Inrush current(Cold start)	A pk	5 (th = 100 μs)			
	Max.units per circuit breaker		B10:100 B13:130 B16:160 B20:200 C10:100 C13:130 C16:160 C20:200			
OUTPUT	Nominal voltage range	V	25 – 50	21 – 42	15 – 30	10 – 21
	Maximum voltage(Open Circuit)	Vdc	≤ 60	≤ 49	≤ 35	≤ 27
	Nominal current	mA	300	350	500	700
	Current accuracy	%	+/- 5			
	Current ripple 100Hz	%	+/- 5			
	Pst LM		≤ 1			
	SVM		≤ 0.4			
	Nominal power range	W	7.5 – 15			7 – 15
	Maximum power	W	15			
	Galvanic isolation		SELV			
ENVIRONMENT	Ambient temperature range ta	°C	-20 ...+45			
	Maximum case temperature tc	°C	90			
	Max. Case temp. In fault condition	°C	110			
	Storage temperature range	°C	-20 ...+70			
	Relative humidity	%	5 ... 85(Not condensing)			
	Surge transient protection	kV	0.5 1 (L/N LN/PE acc to. EN 61547 Clause 5.7)			
	Environmental rating		Independent			
	IP rating		IP 20			
	Mains switching cycles		> 100,000			
	Expected lifetime	h	50,000 (0.2% / 1'000 h failure rate)			

*All parameters NOT specially mentioned are measured at 230VAC input ,rated current and 25°C of ambient temperature

Protections

Over temperature

Yes

Overload

Yes

No load

Yes

Short-circuit

Yes

Input overvoltage

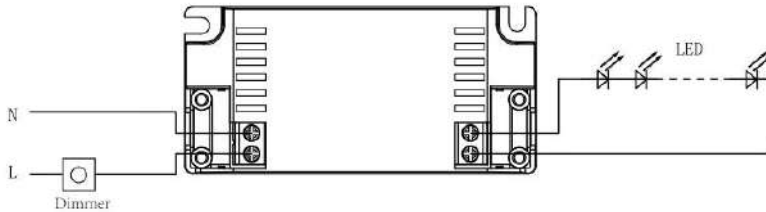
Maximum allowed input voltage 264VAC

Output overvoltage

Yes

Wiring Diagram

Terminal:	Screw
Max. cable length-system:	2m
Dimensions(LxWxH):	85 x 40.4 x 22mm
Mounting hole spacing	76.4mm
Weight:	60 ± 5g



PRI

Cable cross-section:	0.75-1.0□
Stripping:	6mm

SEC

Cable cross-section:	0.5-1.0□
Stripping:	6mm

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

Remarks

- **Touch current:** lower than 0.7mA, according to EN 60598-1 annex. G and EN 61347-1 annex A.

Standards

EN 61347-1
EN 61347-2-13
EN 62384
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 60598-1
EN 50581
IEEE1789
(EU) 2019/2020

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