



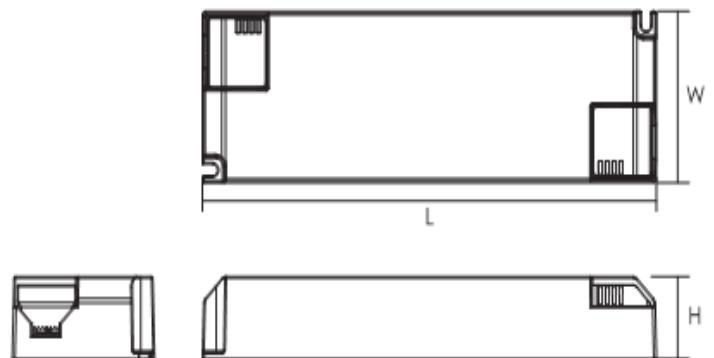
SWITCH TO BRIGHTER FUTURE

NTF Series

TRIAC Dimming LED Driver

Features:

- Dimming with leading edge or trailing edge dimmer
- Constant current driver
- Wide output voltage extended down to 50%
- Analogue flicker-free
- Protections: opencircuit, shortcircuit, overload, over temperature
- SELV equivalent
- Protection class II
- Smooth dimming compatible with most dimmer
- Dimming range 1...100%
- Suitable for class I&II luminaires



Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

CE, CB, TUV

Housing properties

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

Electrical Specifications

Type		Unit	D105050NTF	D120050NTF	D130050NTF	
INPUT	Nominal voltage	V	220 – 240			
	Nominal frequency	Hz	50 / 60			
	AC voltage range	V	198 – 264			
	DC voltage range	V	176 - 370			
	Nominal current	A	0.32			
	THD (Full load)	%	≤ 25			
	Power factor(Full load)		0.95			
	Efficiency(Full load)	%	87			
	Turn on time	ms	≤ 500			
	NO load	W	≤ 1.0			
	Protection class		II			
	Inrush current(Cold start)	A pk	5 (th = 100 μs)			
	Max.unitsper circuit breaker		B16: 224 B10: 140 C16: 448 C10:280			
	OUTPUT	Nominal voltage range	V	24 - 48	21 - 42	20 - 39
Maximumvoltage(Open Circuit)		Vdc	60	50	48	
Nominal current		mA	1050	1200	1300	
Current accuracy		%	+/- 5			
Current ripple 100Hz		%	≤ 20			
Pst LM			≤ 1			
SVM			≤ 0.4			
Nominal power range		W	25 – 50			
Maximum power		W	50			
Galvanic isolation			SELV			
ENVIRONMENT		Ambienttemperature range ta	°C	-20 ...+45		
		Maximum case temperature tc	°C	85		
		Max. Case temp. In fault condtion	°C	110		
		Storage temperature range	°C	-20 ...+70		
	Relative humidity	%	5 ... 85(Not condensing)			
	Surge transient protection	kV	0.5 (L/N acc to. EN 61547 Clause 5.7)			
	Environmental rating		Indoor			
	IP rating		IP 20			
	Mains switching cycles		> 100,000			
	Expected lifetime	h	50,000 (0.2% / 1'000 h failurerate)			

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

Protections

Overtemperature

Yes

Overload

Yes

No load

Yes

Short-circuit

Yes

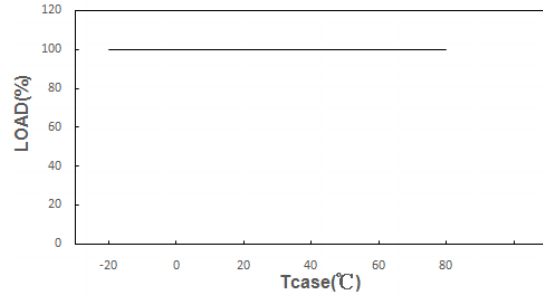
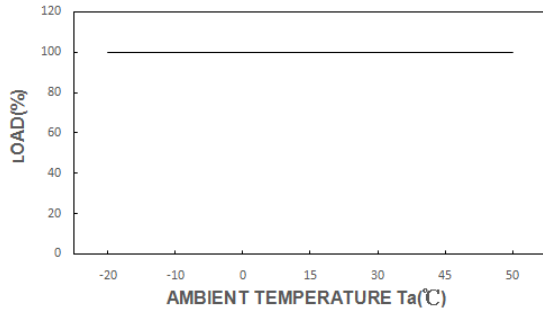
Inputovervoltage

Maximum allowed input voltage 264VAC

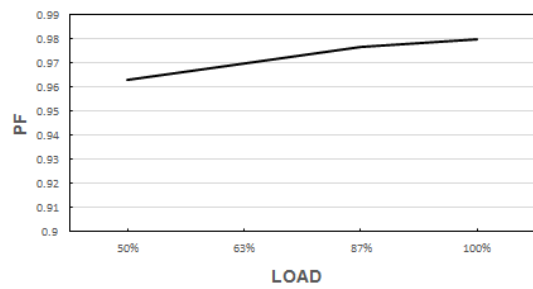
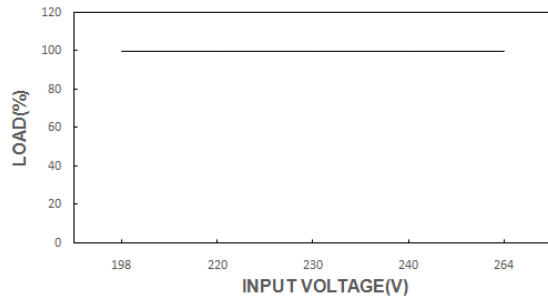
Outputovervoltage

Yes, Limitation of Output voltage ≤55V

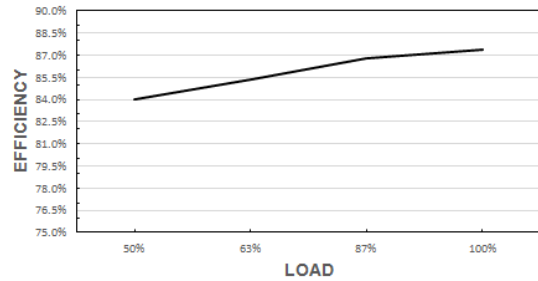
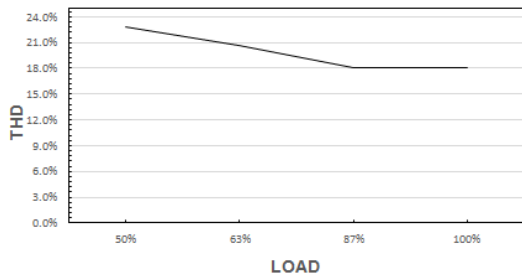
OUTPUT LOAD vs TEMPERATURE



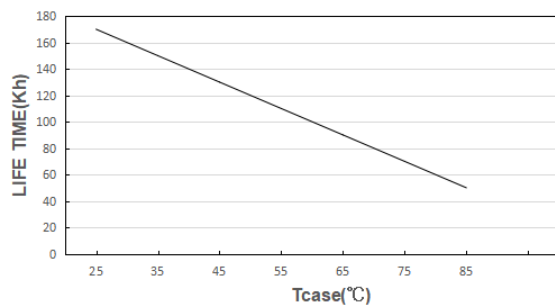
STATIC CHARACTERISTIC POWER FACTOR (PF) CHARACTERISTIC



TOTAL HARMONIC DISTORTION (THD) EFFICIENCY vs LOAD



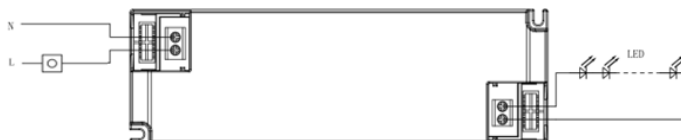
LIFE TIME



*The graph is for reference only, and the detailed values refer to the parameter table

Wiring Diagram

Terminal:	Push interminals
Max. cable length-system:	2m
Dimensions(LxWxH):	166x52x25mm
Weight:	185g ± 5%



For build-in S: 0.5-1.5m², for independent S: 0.75-1.5m²

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

Remarks

-**Touchcurrent:** lower than 0.7mA, according to EN60598-1 annex.G and EN61347-1 annexA

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
IEE1789
(EU) 2019/2020

Manufacturer's address:

No.4,TongfuRoad,Tong'an Industrial Center,Tong'anDistrict,Xiamen,Fujian,China

www.actec.com